



mecatraction



CONNECTING SOLUTIONS

Catalogue

Industrial connections



Earthing connections



Heatshrink tubing



Cable ties and accessories



Tooling and accessories



High performance companies at your service

Mecatraccion (France) and SBI (Spain) have joined their strengths to design, develop and manufacture a wide range of components for industrial electrical connections and matched tooling.

A policy built on performance, service and quality has enabled us to obtain the following certifications: ISO9001, ISOTS16949, ISO14000 and AQF for railways, automotive, aeronautics...

A complete range of products

Through constant improvement and innovation we offer a range of products suited to the needs of the international market IEC, UL-CSA, DIN, NF, BS...



Industrial connections



Chain terminals



Earthing and mechanical connectors



Heatshrink tubing



Cable ties and accessories



Tooling

Specific ranges



Connections for railways



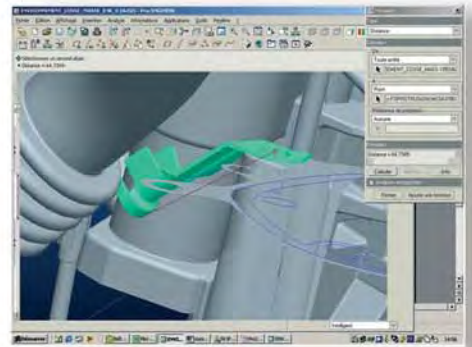
Connections for automotive



Connections for aeronautics and space



Connections for domestic appliances



Research and design



High speed presses



160 T double sided press



Assembly machines

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Industrial and electrical connections

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Connecting solutions

Key rules for crimping

The 5 key elements

5



An electrical connection must be electrically and mechanically sound. A complete system (terminal block, electric motor, automation, lighting...) depends upon the quality of this connection. In order to ensure the integrity of the final assembly (5), the product, the preparation, and the crimping operations should be implemented according to the key rules and by taking into account the first 4 essential key elements:

1 A quality crimp termination suited to the application



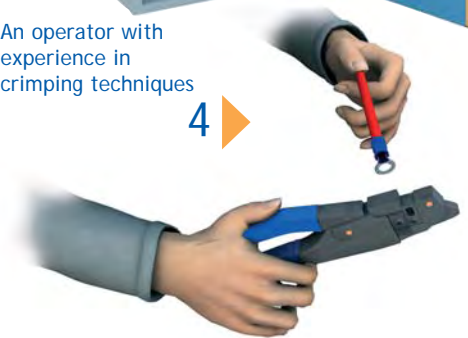
2 An electric cable correctly stripped and matched to the application



3 A quality crimping tool matched to both termination and conductor



4 An operator with experience in crimping techniques



General features of a crimped electrical connection

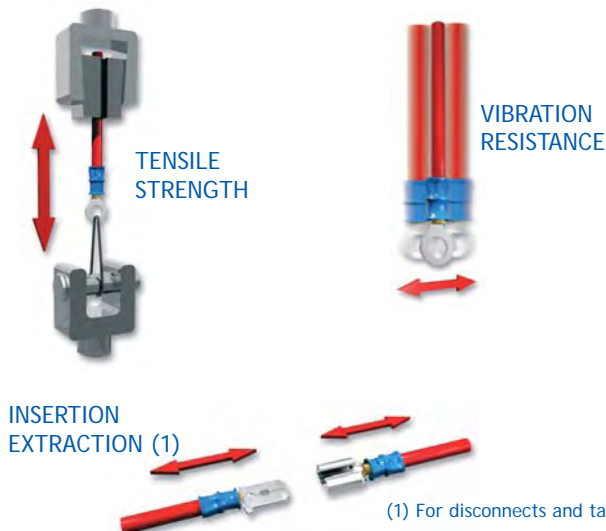
A crimped electrical connection provides the link between a cable and the electrical equipment.

The main features of these connections are:

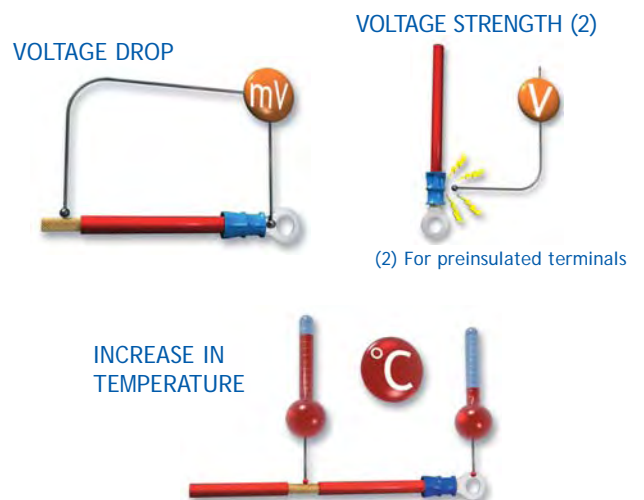
- Excellent conductivity
- Good tensile strength
- Good corrosive resistance
- Good resistance to vibration
- No voltage drop or rise in temperature

Qualification of a crimped termination

Mechanical tests



Electrical tests



Connecting solutions

Key rules for crimping

Crimping of preinsulated terminals

Visual inspection

Cables

Cable correctly stripped



Insulation poorly stripped



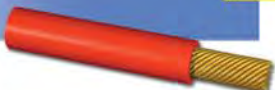
Cable strands damaged or cut



Cable strands not twisted



Cable strands over twisted



Insulation particles on cable core



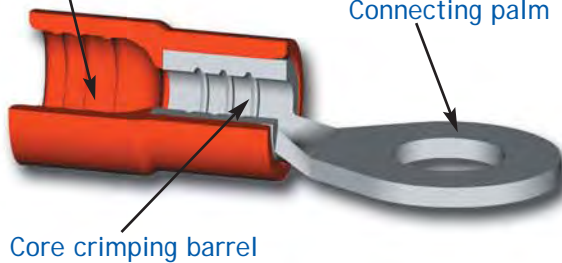
Cable insulation damaged



OK

Types of preinsulated terminals

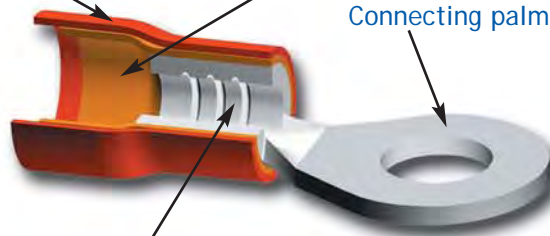
'Easy entry' insulation



SINGLE CRIMP

Insulation

Insulation crimping sleeve



Core crimping barrel

DOUBLE CRIMP

'Double crimp' type is particularly suited to electrical connections suffering stress or vibrating stress

Crimping

Terminal correctly crimped

OK



- 1- Conductor strands protruding approximately 1 mm
- 2- Colour code marking
- 3- Flange from 1 to 1.5 mm

Conductor insufficiently stripped



Crimped off centre



Crimped off centre



Tool presented incorrectly



Cable over stripped, difficult to assemble on the tab





Connecting solutions

Key rules for crimping

Crimping of copper tubular lugs



Cables

Cable correctly stripped



Insulation poorly stripped



Cable strands damaged or cut



Cable strands not twisted



Cable strands over twisted



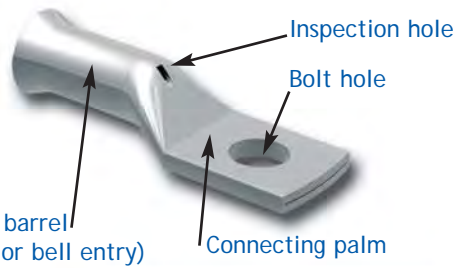
Insulation particles on cable core



Cable insulation damaged



Visual inspection



Tubular barrel (funnel or bell entry)

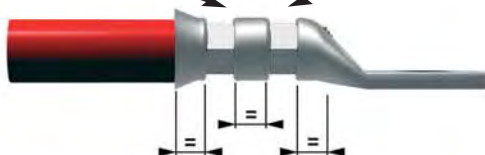
Connecting palm



Example of a hexagonal crimp

Crimp no. 1

Crimp no. 2

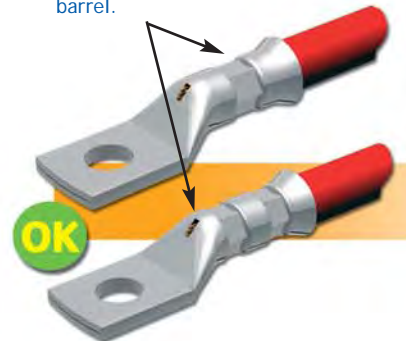


For an indent crimp the crimping order is reversed

Crimping

Terminals correctly crimped

Cable strands viewed through inspection hole. Cable correctly stripped and sufficiently introduced into the barrel, crimping mark correctly centred on the barrel.



Cable not fully inserted



Crimped off centre



Crimped off centre



Incorrect or damaged die, handles appear



Crimps incorrectly positioned





Industrial electrical connections

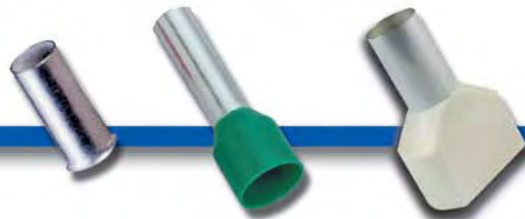


Preinsulated terminals



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End sleeves



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Disconnects, tabs and housings



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Copper tubular lugs and butt connectors



66

Aluminium copper lugs



111

Special products



118

Industrial electrical connections

Preinsulated ring terminals

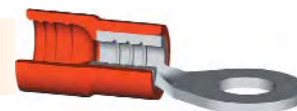


General features

- Tin-plated copper (silver-plating, gilding or nickel-plating on request).
- Barrel with funnel entry.
- Grooves in the barrel for a better tensile strength.
- Polyamide insulation.
- Easy entry.
- Flammability rating : UL 94V2.
- Halogen free.

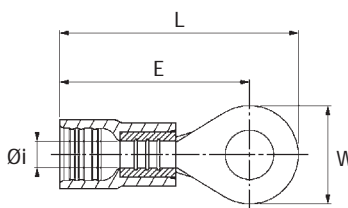
Compliant with **IEC 352-2**

N series
Insulation and terminal



Tooling : see pages 164-168

N series



Conductor size (mm ²)	Bulk packing		Packing 100 pieces / box		Insulation max Ø (mm)	Bolt Ø (mm)	Dimensions (mm)			
	Item code	Part number	Item code	Part number			W	Øi	E	L
0.34 - 1.5	7 210 000	NA-3	7 210 003	B100NA-3	3.6	3	5.6	1.7	14.5	17.3
	7 210 001	NA-3,5	7 210 002	B100NA-3,5	3.6	3.5	5.6	1.7	14.5	17.3
	7 210 026	NA0-3	7 210 027	B100NA0-3	3.6	3	7	1.7	17	20.5
	7 210 030	NA0-4	7 210 029	B100NA0-4	3.6	4	7	1.7	17	20.5
	7 210 043	NA0-5	7 210 044	B100NA0-5	3.6	5	7	1.7	17	20.5
	7 210 021	NA1-3	7 210 022	B100NA1-3	3.6	3	8	1.7	17	21
	7 210 024	NA1-3,5	7 210 025	B100NA1-3,5	3.6	3.5	8	1.7	17	21
	7 210 031	NA1-4	7 210 032	B100NA1-4	3.6	4	8	1.7	17	21
	7 210 041	NA1-5	7 210 042	B100NA1-5	3.6	5	8	1.7	17	21
	7 210 061	NA2-5	7 210 062	B100NA2-5	3.6	5	12.5	1.7	20.7	27
7 210 071	NA2-6	7 210 072	B100NA2-6	3.6	6	12.5	1.7	20.7	27	
7 210 081	NA2-8	7 210 082	B100NA2-8	3.6	8	12.5	1.7	20.7	27	
7 210 083	NA2-10	7 210 084	B100NA2-10	4	10	13.6	1.7	23.5	30.3	
1.0 - 2.5	7 210 090	NB-3	7 210 095	B100NB-3	4.3	3	5.6	2.4	14.2	17
	7 210 088	NB-3,5	7 210 087	B100NB-3,5	4.3	3.5	5.6	2.4	14.2	17
	7 210 096	NB0-4	7 210 098	B100NB0-4	4.3	4	8	2.4	17	21
	7 210 097	NB0-5	7 210 099	B100NB0-5	4.3	5	8	2.4	17	21
	7 210 091	NB1-3	7 210 092	B100NB1-3	4.3	3	8.6	2.4	16.7	21
	7 210 101	NB1-4	7 210 102	B100NB1-4	4.3	4	8.6	2.4	16.7	21
	7 210 111	NB1-5	7 210 112	B100NB1-5	4.3	5	8.6	2.4	16.7	21
	7 210 121	NB1-6	7 210 122	B100NB1-6	4.3	6	8.6	2.4	16.7	21.3
	7 210 141	NB2-5	7 210 142	B100NB2-5	4.3	5	12.5	2.4	20.7	27
	7 210 151	NB2-6	7 210 152	B100NB2-6	4.3	6	12.5	2.4	20.7	27
7 210 161	NB2-8	7 210 162	B100NB2-8	4.3	8	12.5	2.4	20.7	27	
7 210 163	NB2-10	7 210 164	B100NB2-10	4.8	10	13.6	2.4	20.7	30.3	
2.6 - 6	7 210 171	NC1-3	7 210 173	B100NC1-3	6.4	3	9.6	3.3	22.2	27
	7 210 181	NC1-4	7 210 180	B100NC1-4	6.4	4	9.6	3.3	22.2	27
	7 210 191	NC1-5	7 210 190	B100NC1-5	6.4	5	9.6	3.3	22.2	27
	7 210 201	NC1-6	7 210 200	B100NC1-6	6.4	6	9.6	3.3	22.2	27
	7 210 215	NC2-5	7 210 219	B100NC2-5	6.4	5	13.8	3.3	25.1	32
	7 210 211	NC2-6	7 210 210	B100NC2-6	6.4	6	13.8	3.3	25.1	32
	7 210 221	NC2-8	7 210 220	B100NC2-8	6.4	8	13.8	3.3	25.1	32
	7 210 231	NC2-10	7 210 236	B100NC2-10	6.4	10	13.8	3.3	25.1	32
	7 210 234	NC2-12	7 210 237	B100NC2-12	6.4	12	19.5	3.3	30	40

Preinsulated double crimp ring terminals



General features

- Tin-plated copper (silver-plating, gilding or nickel-plating on request).
- Barrel with funnel entry.
- Grooves in the barrel for a better tensile strength.
- Special PVC insulation, high mechanical and dielectric resistance.
- Copper sleeve for crimping insulation giving better resistance to vibration.
- Flammability rating: UL 94V0.

Compliant with **IEC 352-2**

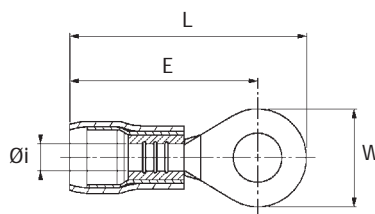
S series

Insulation with copper sleeve and terminal



Tooling : see pages 164-168

S series



Conductor size (mm ²)	Bulk packing		Packing 100 pieces / box		Insulation max Ø (mm)	Bolt Ø (mm)	Dimensions (mm)			
	Item code	Part number	Item code	Part number			W	Øi	E	L
0.34 - 1.5	7 220 020	SA-3	7 220 017	B100SA-3	3.6	3	5.6	1.7	14.5	17.3
	7 220 025	SA-3,5	7 220 026	B100SA-3,5	3.6	3.5	5.6	1.7	14.5	17.3
	7 220 018	SA0-3	7 220 019	B100SA0-3	3.6	3	7	1.7	17	20.5
	7 220 030	SA0-4	7 220 029	B100SA0-4	3.6	4	7	1.7	17	20.5
	7 220 040	SA0-5	7 220 043	B100SA0-5	3.6	5	7	1.7	17	20.5
	7 220 021	SA1-3	7 220 027	B100SA1-3	3.6	3	8	1.7	17	21
	7 220 024	SA1-3,5	7 220 022	B100SA1-3,5	3.6	3.5	8	1.7	17	21
	7 220 031	SA1-4	7 220 032	B100SA1-4	3.6	4	8	1.7	17	21
	7 220 041	SA1-5	7 220 042	B100SA1-5	3.6	5	8	1.7	17	21
	7 220 051	SA2-5	7 220 052	B100SA2-5	3.6	5	12.5	1.7	20.7	27
	7 220 061	SA2-6	7 220 062	B100SA2-6	3.6	6	12.5	1.7	20.7	27
	7 220 071	SA2-8	7 220 072	B100SA2-8	3.6	8	12.5	1.7	20.7	27
7 220 073	SA2-10	7 220 074	B100SA2-10	4	10	13.6	1.7	23.5	30.3	
1.0 - 2.5	7 220 080	SB-3	7 220 079	B100SB-3	4.3	3	5.6	2.4	14.2	17
	7 220 084	SB-3,5	7 220 085	B100SB-3,5	4.3	3.5	5.6	2.4	14.2	17
	7 220 094	SB0-4	7 220 096	B100SB0-4	4.3	4	8	2.4	17	21
	7 220 100	SB0-5	7 220 104	B100SB0-5	4.3	5	8	2.4	17	21
	7 220 081	SB1-3	7 220 082	B100SB1-3	4.3	3	8.6	2.4	16.7	21
	7 220 091	SB1-4	7 220 092	B100SB1-4	4.3	4	8.6	2.4	16.7	21
	7 220 101	SB1-5	7 220 102	B100SB1-5	4.3	5	8.6	2.4	16.7	21
	7 220 111	SB1-6	7 220 112	B100SB1-6	4.3	6	8.6	2.4	16.7	21.3
	7 220 121	SB2-5	7 220 122	B100SB2-5	4.3	5	12.5	2.4	20.7	27
	7 220 131	SB2-6	7 220 132	B100SB2-6	4.3	6	12.5	2.4	20.7	27
	7 220 141	SB2-8	7 220 142	B100SB2-8	4.3	8	12.5	2.4	20.7	27
	7 220 143	SB2-10	7 220 144	B100SB2-10	4.8	10	13.6	2.4	20.7	30.3
2.6 - 6	7 220 151	SC1-3	7 220 153	B100SC1-3	6.4	3	9.6	3.3	22.2	27
	7 220 161	SC1-4	7 220 160	B100SC1-4	6.4	4	9.6	3.3	22.2	27
	7 220 171	SC1-5	7 220 170	B100SC1-5	6.4	5	9.6	3.3	22.2	27
	7 220 181	SC1-6	7 220 183	B100SC1-6	6.4	6	9.6	3.3	22.2	27
	7 220 190	SC2-5	7 220 188	B100SC2-5	6.4	5	13.8	3.3	25.1	32
	7 220 191	SC2-6	7 220 193	B100SC2-6	6.4	6	13.8	3.3	25.1	32
	7 220 201	SC2-8	7 220 203	B100SC2-8	6.4	8	13.8	3.3	25.1	32
	7 220 211	SC2-10	7 220 213	B100SC2-10	6.4	10	13.8	3.3	25.1	32
7 220 214	SC2-12	7 220 216	B100SC2-12	6.4	12	19.5	3.3	30	40	

Preinsulated fork terminals



General features

- Tin-plated copper (silver-plating, gilding or nickel-plating on request).
- Barrel with funnel entry.
- Grooves in the barrel for a better tensile strength.
- Polyamide insulation.
- Easy entry.
- Flammability rating: UL 94V2.
- Halogen free.

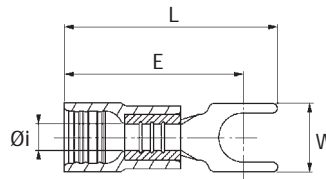
Compliant with **IEC 352-2**




N series
Insulation and terminal



Tooling : see pages 164-168

N series



Conductor size (mm ²)	Bulk packing		Packing 100 pieces / box		Insulation max Ø (mm)	Bolt Ø (mm)	Dimensions (mm)			
	Item code	Part number	Item code	Part number			W	Øi	E	L
0.34 - 1.5 	7 212 011	NRGFA1-3	7 212 012	B100NRGFA1-3	3.6	3	5.5	1.7	16.3	20
	7 212 021	NRGFA1-3,5	7 212 022	B100NRGFA1-3,5	3.6	3.5	5.5	1.7	16.3	20
	7 212 031	NRGFA1-4	7 212 032	B100NRGFA1-4	3.6	4	6.5	1.7	16.3	20
	7 212 041	NRGFA2-4	7 212 042	B100NRGFA2-4	3.6	4	8	1.7	16.4	20
	7 212 051	NRGFA2-5	7 212 052	B100NRGFA2-5	3.6	5	8	1.7	16.4	20
	7 212 061	NRGFA2-6	7 212 062	B100NRGFA2-6	3.6	6	8	1.7	16.4	20
1.0 - 2.5 	7 212 071	NRGFB0-3	7 212 072	B100NRGFB0-3	4.3	3	6.4	2.4	16.5	20.5
	7 212 081	NRGFB0-4	7 212 082	B100NRGFB0-4	4.3	4	6.4	2.4	16.5	20.5
	7 212 091	NRGFB1-3	7 212 092	B100NRGFB1-3	4.3	3	7.9	2.4	16.5	20.5
	7 212 101	NRGFB1-4	7 212 102	B100NRGFB1-4	4.3	4	7.9	2.4	16.5	20.5
	7 212 111	NRGFB1-5	7 212 112	B100NRGFB1-5	4.3	5	7.9	2.4	16.5	20.5
	7 212 121	NRGFB2-4	7 212 122	B100NRGFB2-4	4.3	4	9.5	2.4	18.8	23
	7 212 131	NRGFB2-5	7 212 132	B100NRGFB2-5	4.3	5	9.5	2.4	18.8	23
	7 212 141	NRGFB2-6	7 212 142	B100NRGFB2-6	4.3	6	9.5	2.4	19	23
2.6 - 6 	7 212 151	NRGFC0-3	7 212 153	B100NRGFC0-3	6.4	3	6.7	3.3	24	26.4
	7 212 161	NRGFC0-4	7 212 163	B100NRGFC0-4	6.4	4	6.7	3.3	24	26.4
	7 212 171	NRGFC1-4	7 212 173	B100NRGFC1-4	6.4	4	9.5	3.3	21.9	26.1
	7 212 181	NRGFC1-5	7 212 183	B100NRGFC1-5	6.4	5	9.5	3.3	22	26.1
	7 212 191	NRGFC1-6	7 212 193	B100NRGFC1-6	6.4	6	9.5	3.3	22	26

Preinsulated double crimp fork terminals



General features

- Tin-plated copper (silver-plating, gilding or nickel-plating on request).
- Barrel with funnel entry.
- Grooves in the barrel for a better tensile strength.
- Special PVC insulation, high mechanical and dielectric resistance.
- Copper sleeve for crimping insulation giving better resistance to vibration.
- Flammability rating : UL 94V0.

Compliant with **IEC 352-2**

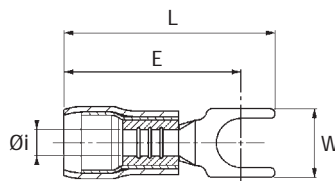
S series




Insulation with copper sleeve and terminal



Tooling : see pages 164-168

S series



Conductor size (mm ²)	Bulk packing		Packing 100 pieces / box		Insulation max Ø (mm)	Bolt Ø (mm)	Dimensions (mm)			
	Item code	Part number	Item code	Part number			W	Øi	E	L
0.34 - 1.5 	7 222 011	SRGFA1-3	7 222 012	B100SRGFA1-3	3.6	3	5.5	1.7	16.3	20
	7 222 021	SRGFA1-3,5	7 222 022	B100SRGFA1-3,5	3.6	3.5	5.5	1.7	16.3	20
	7 222 031	SRGFA1-4	7 222 032	B100SRGFA1-4	3.6	4	6.5	1.7	16.3	20
	7 222 041	SRGFA2-4	7 222 042	B100SRGFA2-4	3.6	4	8	1.7	16.4	20
	7 222 051	SRGFA2-5	7 222 052	B100SRGFA2-5	3.6	5	8	1.7	16.4	20
	7 222 061	SRGFA2-6	7 222 062	B100SRGFA2-6	3.6	6	8	1.7	16.4	20
1.0 - 2.5 	7 222 071	SRGFB0-3	7 222 072	B100SRGFB0-3	4.3	3	6.4	2.4	16.5	20.5
	7 222 081	SRGFB0-4	7 222 082	B100SRGFB0-4	4.3	4	6.4	2.4	16.5	20.5
	7 222 091	SRGFB1-3	7 222 092	B100SRGFB1-3	4.3	3	7.9	2.4	16.5	20.5
	7 222 101	SRGFB1-4	7 222 102	B100SRGFB1-4	4.3	4	7.9	2.4	16.5	20.5
	7 222 111	SRGFB1-5	7 222 112	B100SRGFB1-5	4.3	5	7.9	2.4	16.5	20.5
	7 222 121	SRGFB2-4	7 222 122	B100SRGFB2-4	4.3	4	9.5	2.4	18.8	23
	7 222 131	SRGFB2-5	7 222 132	B100SRGFB2-5	4.3	5	9.5	2.4	18.8	23
	7 222 141	SRGFB2-6	7 222 142	B100SRGFB2-6	4.3	6	9.5	2.4	19	23
2.6 - 6 	7 222 151	SRGFC0-3	7 222 153	B100SRGFC0-3	6.4	3	6.7	3.3	24	26.4
	7 222 161	SRGFC0-4	7 222 163	B100SRGFC0-4	6.4	4	6.7	3.3	24	26.4
	7 222 171	SRGFC1-4	7 222 173	B100SRGFC1-4	6.4	4	9.5	3.3	21.9	26.1
	7 222 181	SRGFC1-5	7 222 183	B100SRGFC1-5	6.4	5	9.5	3.3	22	26.1
	7 222 191	SRGFC1-6	7 222 193	B100SRGFC1-6	6.4	6	9.5	3.3	22	26

Preinsulated square terminals



General features

- Tin-plated copper (silver-plating, gilding or nickel-plating on request).
- Barrel with funnel entry.
- Grooves in the barrel for a better tensile strength.
- Polyamide 6/6 insulation.
- Easy entry.
- Flammability rating: UL 94V2.
- Halogen free.

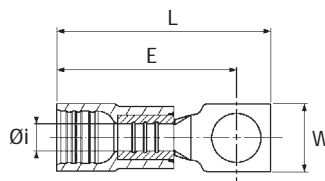
Compliant with **IEC 352-2**




N series
Insulation and terminal



Tooling : see pages 164-168

N series



Conductor size (mm ²)	Bulk packing		Packing 100 pieces / box		Insulation max Ø (mm)	Bolt Ø (mm)	Dimensions (mm)			
	Item code	Part number	Item code	Part number			W	Øi	E	L
0.34 - 1.5 	7 211 011	NRGA1-3	7 211 012	B100NRGA1-3	3.6	3	5.5	1.7	16.5	20.5
	7 211 021	NRGA1-3,5	7 211 022	B100NRGA1-3,5	3.6	3.5	5.5	1.7	16.5	20.5
	7 211 031	NRGA1-4	7 211 032	B100NRGA1-4	3.6	4	6.5	1.7	16.5	20.5
	7 211 041	NRGA2-4	7 211 042	B100NRGA2-4	3.6	4	8	1.7	16.5	20.5
	7 211 051	NRGA2-5	7 211 052	B100NRGA2-5	3.6	5	8	1.7	16.5	20.5
	7 211 061	NRGA2-6	7 211 062	B100NRGA2-6	3.6	6	8	1.7	16.5	20.5
1.0 - 2.5 	7 211 071	NRGB0-3	7 211 072	B100NRGB0-3	4.3	3	6.4	2.4	16.5	20.5
	7 211 081	NRGB0-4	7 211 082	B100NRGB0-4	4.3	4	6.4	2.4	16.5	20.5
	7 211 091	NRGB1-3	7 211 092	B100NRGB1-3	4.3	3	7.9	2.4	16.5	20.5
	7 211 101	NRGB1-4	7 211 102	B100NRGB1-4	4.3	4	7.9	2.4	16.5	20.5
	7 211 111	NRGB1-5	7 211 112	B100NRGB1-5	4.3	5	7.9	2.4	16.5	20.5
	7 211 121	NRGB2-4	7 211 122	B100NRGB2-4	4.3	4	9.5	2.4	19.1	23.5
	7 211 131	NRGB2-5	7 211 132	B100NRGB2-5	4.3	5	9.5	2.4	19.1	23.5
	7 211 141	NRGB2-6	7 211 142	B100NRGB2-6	4.3	6	9.5	2.4	19.1	23.5
2.6 - 6 	7 211 151	NRGC0-3	7 211 153	B100NRGC0-3	6.4	3	6.7	3.3	24	26.5
	7 211 161	NRGC0-4	7 211 164	B100NRGC0-4	6.4	4	6.7	3.3	24	26.5
	7 211 171	NRGC1-4	7 211 173	B100NRGC1-4	6.4	4	9.5	3.3	22	26.3
	7 211 181	NRGC1-5	7 211 183	B100NRGC1-5	6.4	5	9.5	3.3	22	26.3
	7 211 191	NRGC1-6	7 211 193	B100NRGC1-6	6.4	6	9.5	3.3	22	26.3

Preinsulated double crimp square terminals



General features

- Tin-plated copper (silver-plating, gilding or nickel-plating on request).
- Barrel with funnel entry.
- Grooves in the barrel for a better tensile strength.
- Special PVC insulation, high mechanical and dielectric resistance.
- Copper sleeve for crimping insulation giving better resistance to vibration.
- Flammability rating: UL 94V0.

Compliant with **IEC 352-2**

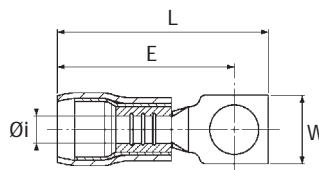
S series




Insulation with copper sleeve and terminal



Tooling : see pages 164-168

S series



Conductor size (mm ²)	Bulk packing		Packing 100 pieces / box		Insulation max Ø (mm)	Bolt Ø (mm)	Dimensions (mm)			
	Item code	Part number	Item code	Part number			W	Øi	E	L
0.34 - 1.5 	7 221 011	SRGA1-3	7 221 012	B100SRGA1-3	3.6	3	5.5	1.7	16.5	20.5
	7 221 021	SRGA1-3,5	7 221 022	B100SRGA1-3,5	3.6	3.5	5.5	1.7	16.5	20.5
	7 221 031	SRGA1-4	7 221 032	B100SRGA1-4	3.6	4	6.5	1.7	16.5	20.5
	7 221 041	SRGA2-4	7 221 042	B100SRGA2-4	3.6	4	8	1.7	16.5	20.5
	7 221 051	SRGA2-5	7 221 052	B100SRGA2-5	3.6	5	8	1.7	16.5	20.5
	7 221 061	SRGA2-6	7 221 062	B100SRGA2-6	3.6	6	8	1.7	16.5	20.5
1.0 - 2.5 	7 221 071	SRGB0-3	7 221 072	B100SRGB0-3	4.3	3	6.4	2.4	16.5	20.5
	7 221 081	SRGB0-4	7 221 082	B100SRGB0-4	4.3	4	6.4	2.4	16.5	20.5
	7 221 091	SRGB1-3	7 221 092	B100SRGB1-3	4.3	3	7.9	2.4	16.5	20.5
	7 221 101	SRGB1-4	7 221 102	B100SRGB1-4	4.3	4	7.9	2.4	16.5	20.5
	7 221 111	SRGB1-5	7 221 112	B100SRGB1-5	4.3	5	7.9	2.4	16.5	20.5
	7 221 121	SRGB2-4	7 221 122	B100SRGB2-4	4.3	4	9.5	2.4	19.1	23.5
	7 221 131	SRGB2-5	7 221 132	B100SRGB2-5	4.3	5	9.5	2.4	19.1	23.5
	7 221 141	SRGB2-6	7 221 142	B100SRGB2-6	4.3	6	9.5	2.4	19.1	23.5
2.6 - 6 	7 221 151	SRGC0-3	7 221 153	B100SRGC0-3	6.4	3	6.7	3.3	24	26.5
	7 221 161	SRGC0-4	7 221 163	B100SRGC0-4	6.4	4	6.7	3.3	24	26.5
	7 221 171	SRGC1-4	7 221 173	B100SRGC1-4	6.4	4	9.5	3.3	22	26.3
	7 221 181	SRGC1-5	7 221 183	B100SRGC1-5	6.4	5	9.5	3.3	22	26.3
	7 221 191	SRGC1-6	7 221 193	B100SRGC1-6	6.4	6	9.5	3.3	22	26.3

Locking preinsulated terminals



Compliant with **IEC 352-2**

General features

- Tin-plated copper (silver-plating, gilding or nickel-plating on request).
- Barrel with funnel entry.
- Grooves in the barrel for a better tensile strength.
- "N" single crimp series:
 - Polyamide insulation.
 - Easy entry.
 - Flammability rating: UL 94V2.
 - Halogen free.
- "S" double crimp series:
 - Special PVC insulation, high mechanical and dielectric resistance.
 - Copper sleeve for crimping insulation giving better resistance to vibration.
 - Flammability rating: UL 94V0.

N series
Insulation and terminal

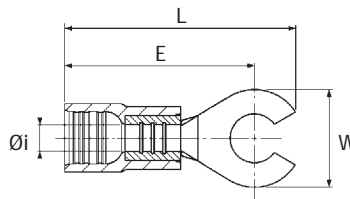


S series
Insulation with copper sleeve and terminal



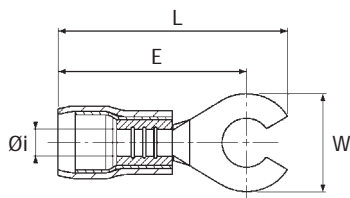
Tooling : see pages 164-168

N series



Conductor size (mm ²)	Bulk packing		Packing 100 pieces / box		Insulation max Ø (mm)	Bolt Ø (mm)	Dimensions (mm)			
	Item code	Part number	Item code	Part number			W	Øi	E	L
0.34 - 1.5	7 210 023	NAE-3	7 210 028	B100NAE-3	3.6	3	5.6	1.7	14.5	16.5
	7 210 033	NAE1-4	7 210 035	B100NAE1-4	3.6	4	8	1.7	17	20
1.0 - 2.5	7 210 093	NBE-3	7 210 094	B100NBE-3	4.3	3	5.6	2.4	14.5	16.8
	7 210 104	NBE0-4	7 210 105	B100NBE0-4	4.3	4	8	2.4	17	20
2.6 - 6	7 210 183	NCE1-4	7 210 185	B100NCE1-4	6.4	4	9.3	3.3	23	27
	7 210 193	NCE1-5	7 210 195	B100NCE1-5	6.4	5	9.3	3.3	23	26.7

S series



Conductor size (mm ²)	Bulk packing		Packing 100 pieces / box		Insulation max Ø (mm)	Bolt Ø (mm)	Dimensions (mm)			
	Item code	Part number	Item code	Part number			W	Øi	E	L
0.34 - 1.5	7 220 023	SAE-3	7 220 028	B100SAE-3	3.6	3	5.6	1.7	14.5	16.5
	7 220 034	SAE1-4	7 220 035	B100SAE1-4	3.6	4	8	1.7	17	20
1.0 - 2.5	7 220 083	SBE-3	7 220 086	B100SBE-3	4.3	3	5.6	2.4	14.5	16.8
	7 220 093	SBE0-4	7 220 098	B100SBE0-4	4.3	4	8	2.4	17	20
2.6 - 6	7 220 163	SCE1-4	7 220 166	B100SCE1-4	6.4	4	9.3	3.3	23	27
	7 220 173	SCE1-5	7 220 175	B100SCE1-5	6.4	5	9.3	3.3	23	26.7

Preinsulated pin and blade terminals



General features

- Tin plated copper (silver-plating, gilding or nickel-plating on request).
- Barrel with funnel entry.
- Grooves in the barrel for a better tensile strength.
- "N" single crimp series:
 - Polyamide 6/6 insulation.
 - Easy entry.
 - Flammability rating: UL 94V2.
 - Halogen free.
- "S" double crimp series:
 - Special PVC insulation, high mechanical and dielectric resistance.
 - Copper sleeve for crimping insulation giving better resistance to vibration.
 - Flammability rating: UL 94V0.

Compliant with IEC 352-2

N series

Insulation and terminal



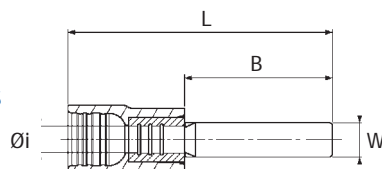
S series

Insulation with copper sleeve and terminal

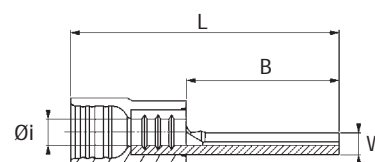


Tooling : see pages 164-168

PF series



PR series



N series

Conductor size (mm ²)	Bulk packing		Packing 100 pieces / box		Insulation max Ø (mm)	Dimensions (mm)			
	Item code	Part number	Item code	Part number		W	Øi	B	L
0.34 - 1.5	7 272 011	NPFA-3	7 272 012	B100NPFA-3	3.6	2.9	1.7	7.5	17.5
	7 272 071	NPFA-3 R*	7 272 073	B100NPFA-3R*	3.6	2.9	1.7	11.3	21
	7 271 101	NPRA-1,6	7 271 102	B100NPRA-1,6	3.6	1.9	1.7	12	22.5
	7 271 103	NPRA-1,6C	7 271 104	B100NPRA-1,6C	3.6	1.9	1.7	9	19.7
1.0 - 2.5	7 272 091	NPFB-3	7 272 092	B100NPFB-3	4.3	2.9	2.4	8	18
	7 272 081	NPFB-3 R*	7 272 083	B100NPFB-3R*	4.3	2.9	2.4	12	21.8
	7 272 041	NPFB-4 R*	7 272 042	B100NPFB-4R*	4.3	3.9	2.4	12	21.8
	7 271 111	NPRB-2,3	7 271 112	B100NPRB-2,3	4.3	1.9	2.4	12	22
	7 271 113	NPRB-2,3C	7 271 114	B100NPRB-2,3C	4.3	1.9	2.4	9	18.8
2.6 - 6	7 272 063	NPFC-3	7 272 065	B100NPFC-3	6.4	2.9	3.3	10.5	24.2
	7 272 061	NPFC-3,9R*	7 272 060	B100NPFC-3,9R*	6.4	3.9	3.3	12.7	26
	7 271 121	NPRC-3,5	7 271 123	B100NPRC-3,5	6.4	2.5	3.3	14	28

S series

Conductor size (mm ²)	Bulk packing		Packing 100 pieces / box		Insulation max Ø (mm)	Dimensions (mm)			
	Item code	Part number	Item code	Part number		W	Øi	B	L
0.34 - 1.5	7 273 021	SPFA-3	7 273 022	B100SPFA-3	3.6	2.9	1.7	7.5	17.5
	7 273 011	SPFA-3 R*	7 273 012	B100SPFA-3 R*	3.6	2.9	1.7	11.3	21
	7 271 011	SPRA-1,6	7 271 012	B100SPRA-1,6	3.6	1.9	1.7	12	22.5
	7 271 014	SPRA-1,6 C	7 271 015	B100SPRA-1,6 C	3.6	1.9	1.7	9	19.7
1.0 - 2.5	7 273 049	SPFB-3	7 273 050	B100SPFB-3	4.3	2.9	2.4	8	18
	7 273 053	SPFB-3 R*	7 273 055	B100SPFB-3 R*	4.3	2.9	2.4	12	21.8
	7 273 041	SPFB-4 R*	7 273 042	B100SPFB-4 R*	4.3	3.9	2.4	12	21.8
	7 271 021	SPRB-2,3	7 271 022	B100SPRB-2,3	4.3	1.9	2.4	12	22
	7 271 024	SPRB-2,3 C	7 271 025	B100SPRB-2,3 C	4.3	1.9	2.4	9	18.8
2.6 - 6	7 273 061	SPFC-3,9 R*	7 273 063	B100SPFC-3,9 R*	6.4	3.9	3.3	12.7	26
	7 271 031	SPRC-3,5	7 271 033	B100SPRC-3,5	6.4	2.5	3.3	14	28

* Notched.

Preinsulated female disconnects
Preinsulated male and piggyback disconnects



General features

- Tin-plated brass double crimp "S" version.
- Tin-plated bronze double crimp "51000" series.
- Electrolytic tin-plating process.
- Silver plating, gilding or nickel plating on request.
- PVC insulating sleeve with high dielectric and mechanical resistance.
- Copper sleeve for double crimping giving a better vibration resistance.
- Flammability rating: UL 94V0.

*Compliant with IEC 352-2 and IEC 760
**Compliant with NFF 00 363

S series* and 51000 series**

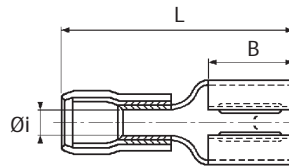


S series*



Tooling : see pages 164-168

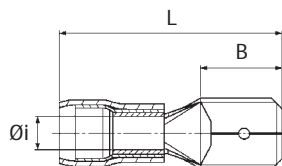
Preinsulated female disconnects



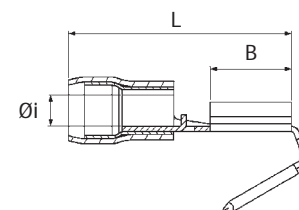
Conductor size (mm²)	Brass				Bronze				Insulation max Ø (mm)	Male disconnect		Øi (mm)	B (mm)	L (mm)
	Bulk packing		Packing 100 pieces / box		Loose packing		Packing 100 pieces / box			Width (mm)	Thickness (mm)			
	Item code	Part number	Item code	Part number	Item code	Part number	Item code	Part number						
0.34 - 1.5	7 250 500	SQA2,8-3	7 251 017	B100SQA2,8-3	7 260 505	51031-3	7 261 026	B10051031-3	3.6	2.8	0.3	1.7	6.5	19.5
	7 250 501	SQA2,8-5	7 251 014	B100SQA2,8-5	7 260 506	51031-2	7 261 019	B10051031-2	3.6	2.8	0.5	1.7	6.5	19.5
	7 250 502	SQA2,8-8	7 251 018	B100SQA2,8-8	7 260 508	51031-8	7 261 029	B10051031-8	3.6	2.8	0.8	1.7	6.5	19.5
	7 251 021	SQA5	7 251 023	B100SQA5	-	-	-	-	3.6	4.8	0.5	1.7	6	18.7
	7 251 065	SQA4,7-8	7 251 066	B100SQA4,7-8	-	-	-	-	3.6	4.8	0.8	1.7	6	18.7
	7 251 024	SQA-5N	7 251 037	B100SQA-5N	7 261 042	51081-2	7 261 047	B10051081-2	3.6	5	0.8	1.7	7.7	21
	7 251 032	SQA-6,35	7 251 033	B100SQA-6,35	7 261 072	51181-2	7 261 071	B10051181-2	3.6	6.3	0.8	1.7	7.7	21
1.0 - 2.5	7 251 041	SQB5	7 251 043	B100SQB5	-	-	-	-	4.3	4.8	0.5	2.4	6	18.7
	7 251 067	SQB4,7-8	7 251 068	B100SQB4,7-8	-	-	-	-	4.3	4.8	0.8	2.4	6	18.7
	7 251 044	SQB5N	7 251 038	B100SQB5N	7 261 052	51131-2	7 261 053	B10051131-2	4.8	5	0.8	2.4	7.7	21
	7 251 052	SQB6,35	7 251 053	B100SQB6,35	7 261 082	51231-2	7 261 081	B10051231-2	4.8	6.3	0.8	2.4	7.7	21
	7 251 055	SQB8	7 251 080	B100SQB8	-	-	-	-	4.3	8	0.8	2.4	9	23
2.6 - 6	7 251 072	SQC6,35	7 251 082	B100SQC6,35	7 261 103	51661-4J	7 261 112	B10051661-4J	6.8	6.3	0.8	3.4	7.7	25
	7 251 074	SQC9,5	7 251 083	B100SQC-9,5	-	-	-	-	6.4	9.4	1.2	3.4	12.1	29.6

Preinsulated male and piggyback disconnects

SQM...



SQV...



Conductor size (mm²)	Bulk packing		Packing 100 pieces / box		Insulation max Ø (mm)	Male disconnect		Øi (mm)	B (mm)	L (mm)
	Item code	Part number	Item code	Part number		Width (mm)	Thickness (mm)			
0.34 - 1.5	7 250 011	SQMA-6,35	7 250 012	B100SQMA-6,35	3.5	6.3	0.8	1.7	8	20.5
	7 251 251	SQVA-6,35	7 251 253	B100SQVA-6,35	3.5	6.3	0.8	1.7	7.8	22.2
1.0 - 2.5	7 250 021	SQMB-6,35	7 250 022	B100SQMB-6,35	4	6.3	0.8	2.4	8	20.5
	7 251 261	SQVB-6,35	7 251 260	B100SQVB-6,35	4	6.3	0.8	2.4	7.8	22.2
2.6 - 6	7 250 031	SQMC-6,35	7 250 033	B100SQMC-6,35	5.5	6.3	0.8	3.6	8	24.5

Fully preinsulated female disconnects

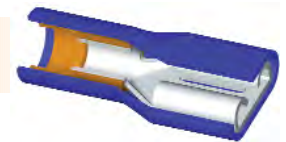


General features

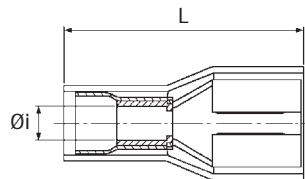
- Tin-plated brass double crimp "S" version.
 - Electrolytic tin-plating process.
 - PVC insulating sleeve with high dielectric and mechanical resistance.
 - Copper sleeve for double crimping giving a better vibration resistance.
 - Flammability rating: UL 94V0.

Compliant with IEC 352-2 and IEC 760

S series



Tooling : see pages 164-168



Conductor size (mm ²)	Bulk packing		Packing 100 pieces / box		Insulation max Ø (mm)	Male disconnect		Øi (mm)	L (mm)	Insulating sleeve colours
	Item code	Part number	Item code	Part number		Width (mm)	Thickness (mm)			
0.34 - 1.5	7 252 010	SQAP2,8-5	7 252 012	B100SQAP2,8-5	3.2	2.8	0.5	1.7	19.5	Red
	7 252 013	SQAP4,8-5	7 252 014	B100SQAP4,8-5	3.6	4.8	0.5	1.7	20	Red
	7 252 001	SQAP4,8-8	7 252 002	B100SQAP4,8-8	3.6	4.8	0.8	1.7	20	Red
	7 252 021	SQAP6,35	7 252 023	B100SQAP6,35	2.9	6.3	0.8	1.7	23.5	Red
	7 252 018	SQAP6,35J	7 252 111	B100SQAP6,35J	2.9	6.3	0.8	1.7	23.5	Yellow
	7 252 030	SQAP6,35NR	7 252 110	B100SQAP6,35NR	2.9	6.3	0.8	1.7	23.5	Black
	7 252 038	SQAP6,35VE	7 252 109	B100SQAP6,35VE	2.9	6.3	0.8	1.7	23.5	Green
	7 252 029	SQAP6,35JV	7 252 107	B100SQAP6,35JV	2.9	6.3	0.8	1.7	23.5	Yellow/Red
	7 252 024	SQAP6,35B	7 252 106	B100SQAP6,35B	2.9	6.3	0.8	1.7	23.5	Blue
	7 252 025	SQAP6,35BC	7 252 105	B100SQAP6,35BC	2.9	6.3	0.8	1.7	23.5	White
	7 252 027	SQAP6,35G	7 252 104	B100SQAP6,35G	2.9	6.3	0.8	1.7	23.5	Grey
	7 252 026	SQAP6,35M	7 252 103	B100SQAP6,35M	2.9	6.3	0.8	1.7	23.5	Brown
7 252 036	SQAP6,35ORG	7 252 102	B100SQAP6,35ORG	2.9	6.3	0.8	1.7	23.5	Orange	
7 252 035	SQAP6,35VI	7 252 101	B100SQAP6,35VE	2.9	6.3	0.8	1.7	23.5	Purple	
1.0 - 2.5	7 252 047	SQBP4,8-5	7 252 055	B100SQBP4,8-5	4.3	4.8	0.5	2.4	20	Blue
	7 252 060	SQBP4,8-8	7 252 062	B100SQBP4,8-8	3.4	4.8	0.8	2.4	20	Blue
	7 252 031	SQBP6,35	7 252 059	B100SQBP6,35	3.4	6.3	0.8	2.4	23.5	Blue
2.6 - 6	7 252 041	SQCP6,35	7 252 058	B100SQCP6,35	5.5	6.3	0.8	3.6	26	Yellow
	7 252 042	SQCP6,35NR	7 252 132	B100SQCP6,35NR	5.5	6.3	0.8	3.6	26	Black
	7 252 043	SQCP6,35R	7 252 133	B100SQCP6,35R	5.5	6.3	0.8	3.6	26	Red
	7 252 053	SQCP6,35VE	7 252 142	B100SQCP6,35VE	5.5	6.3	0.8	3.6	26	Green
	7 252 045	SQCP6,35TR	7 252 135	B100SQCP6,35TR	5.5	6.3	0.8	3.6	26	Translucent
	7 252 046	SQCP6,35JV	7 252 136	B100SQCP6,35JV	5.5	6.3	0.8	3.6	26	Yellow/Red
	7 252 048	SQCP6,35B	7 252 137	B100SQCP6,35B	5.5	6.3	0.8	3.6	26	Blue
	7 252 049	SQCP6,35BC	7 252 138	B100SQCP6,35BC	5.5	6.3	0.8	3.6	26	White
	7 252 050	SQCP6,35G	7 252 139	B100SQCP6,35G	5.5	6.3	0.8	3.6	26	Grey
	7 252 051	SQCP6,35M	7 252 140	B100SQCP6,35M	5.5	6.3	0.8	3.6	26	Brown
	7 252 052	SQCP6,35ORG	7 252 141	B100SQCP6,35ORG	5.5	6.3	0.8	3.6	26	Orange
	7 252 044	SQCP6,35VI	7 252 134	B100SQCP6,35VI	5.5	6.3	0.8	3.6	26	Purple

Preinsulated butt splices



*Compliant with IEC 352-2

**Compliant with NFF 00 363

General features

- Tin-plated copper.
- Barrel with funnel entry.
- Flammability rating: UL 94V0.
- "N" single crimp series:
 - Polyamide insulation.
 - Easy entry.
 - Flammability rating: UL 94V2.
 - Halogen free.
- "51000" double crimp series:
 - Translucent polyamide insulation.
 - Copper sleeve for crimping insulation giving better resistance to vibration.
 - Inspection hole.
 - Flammability rating: UL 94V2.
 - Halogen free.

N series*

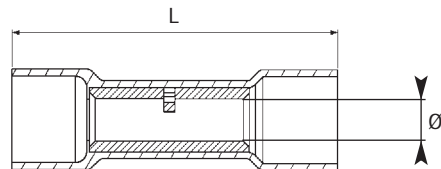


51 000 series**



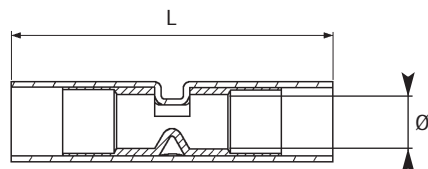
Tooling : see pages 164-168

Preinsulated butt splices - N series



Conductor size (mm ²)	Bulk packing		Packing 100 pieces / box		Insulation max Ø (mm)	Øi (mm)	L (mm)
	Item code	Part number	Item code	Part number			
0.34 - 1.5	7 276 011	NPMJ1	7 276 012	B100NPMJ1	4	1.7	25.5
1.0 - 2.5	7 276 021	NPMJ2	7 276 022	B100NPMJ2	4.5	2.4	25.5
2.6 - 6	7 276 031	NPMJ3	7 276 028	B100NPMJ3	6.6	3.3	27.5

Preinsulated butt splices with inspection window - 51000 series



Conductor size (mm ²)	Bulk packing		Packing 100 pieces / box		Insulation max Ø (mm)	Øi (mm)	L (mm)
	Item code	Part number	Item code	Part number			
0.34 - 1.5	7 282 201	51391	7 282 202	B100-51391	3.6	1.7	32
1.0 - 2.5	7 282 215	51402	7 282 213	B100-51402	4	2.4	32
2.6 - 6	7 282 221	51413	7 282 224	B100-51413	5.5	3.3	41.5

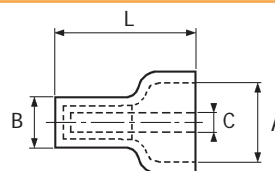
Preinsulated closed-end wire connectors Accessories for preinsulated splices "Y" type connectors

General features

- Preinsulated closed-end wire connectors:
 - Tin-plated copper.
 - White 6/6 polyamide insulation.
- Feed-through sleeves:
 - Neoprene material.
- Sliding rail for feed-through sleeves:
 - Black painted steel.

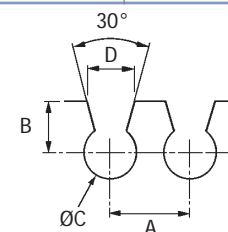
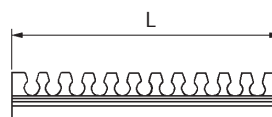
Tooling : see pages 169-173

Preinsulated closed-end wire connectors



Conductor size (mm ²)	Bulk packing		Packing 100 pieces / box		A (mm)	B (mm)	C (mm)	L (mm)
	Item code	Part number	Item code	Part number				
0.34 - 1.5	7 276 034	PME-1	7 276 067	B100PME-1	6.2	5	2.2	15.2
1.0 - 2.5	7 276 035	PME-2	7 276 066	B100PME-2	6.5	5.8	2.5	15.2
2.6 - 6	7 276 036	PME-3	7 276 065	B100PME-3	9.4	7.3	3.5	17.8
6 - 10	7 276 037	PME-4	7 276 068	B100PME-4	12	9.2	4.7	22.2

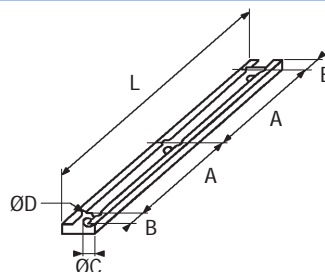
Feed-through sleeves



Packing 100 pieces / box		A (mm)	B (mm)	C (mm)	D (mm)	L (mm)	Material
Item code	Part number						
7 904 002	SF1184	8	5	5	5	95	Neoprene

Number of notches: 11.

Sliding rail for feed-through sleeves



Packing 100 pieces / box		A (mm)	B (mm)	C (mm)	D (mm)	L (mm)	Material
Item code	Part number						
7 904 004	GLI76	350	30	6.5	13	760	Painted steel
7 904 001	GLI80	Not drilled				800	Painted steel

Note: other lengths and holes upon request.

« Y » type connectors

Packed in plastic boxes.

Item code	Part number	Width or Ø (mm)	Figure	Quantity
7 301 902	B15-1053	L 6.35	1	15
7 301 912	B15-1051	L 6.35	2	15
7 301 922	B15-1052	Ø 4	3	15
7 301 932	B15-1050	Ø 4	4	15



Fig. 1



Fig. 2



Fig. 3



Fig. 4

Insulated rings terminals



General features

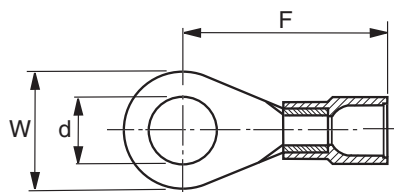
- Wide range of copper terminals taking conductors from 0.5 to 6 mm².
- Colour coded insulation sleeve with "easy-entry" is fitted over the barrel.
- Electrolytic copper, brazed barrel, electro tinned.
- High mechanical and dielectric resistant insulation (polyamide)
- Heat resistant up to +105°C

Compliant with **DIN 46237**



Tooling : see pages 164-168

Preinsulated ring terminals



Conductor size (mm ²)	item code	Part numbers	Stud hole mm	Dimensions mm		
				W	d	F
0.5 - 1.5	7212320	BE1M27D	2.5	6.0	2.7	17.0
	7212325	BE1M32D	3.0	6.0	3.2	17.0
	7212330	BE1M37D	3.5	6.6	3.7	17.0
	7212332	BE1M43 *	4.0	6.6	4.3	16.8
	7212335	BE1M43D	4.0	8.0	4.3	18.0
	7212337	BE1M53 *	5.0	8.0	5.3	17.5
	7212340	BE1M53D	5.0	10.0	5.3	19.0
	7212345	BE1M65D	6.0	11.0	6.5	21.0
	7212347	BE1M84 *	8.0	11.6	8.4	21.6
	7212352	BE1M105 *	10.0	13.6	10.5	24.9
1.5 - 2.5	7212357	BE1M132 *	12.0	19.2	13.0	26.5
	7212360	BE25M32D	3.0	6.0	3.2	17.0
	7212365	BE25M37D	3.5	6.0	3.7	17.0
	7212367	BE25M43 *	4.0	6.6	4.3	17.3
	7212370	BE25M43D	4.0	8.0	4.3	18.0
	7212372	BE25M53 *	5.0	8.5	5.3	18.8
	7212375	BE25M53D	5.0	10.0	5.3	20.0
	7212380	BE25M65D	6.0	11.0	6.5	22.0
	7212382	BE25M84 *	8.0	12.0	8.4	22.0
	7212385	BE25M84D	8.0	14.0	8.4	23.0
4 - 6	7212387	BE25M105 *	10.0	13.6	10.5	24.9
	7212390	BE25M105D	10.0	18.0	10.5	24.5
	7212392	BE25M132 *	12.0	19.2	13.0	27.0
	7212394	BE6M37 *	3.5	9.5	3.7	22.3
	7212395	BE6M43D	4.0	8.0	4.3	21.0
	7212400	BE6M53D	5.0	10.0	5.3	22.0
	7212405	BE6M65D	6.0	11.0	6.5	23.0
	7212410	BE6M84D	8.0	14.0	8.4	26.0
	7212412	BE6M105 *	10.0	15.0	10.5	27.7
	7212415	BE6M105D	10.0	18.0	10.5	28.0
7212417	BE6M132 *	12.0	19.2	13.0	30.0	

* Additional products similar to DIN 46237

Insulated fork terminals with easy entry



General features

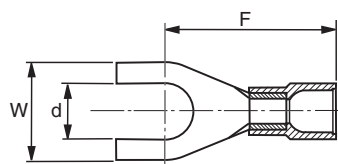
- Wide range of copper terminals taking conductors from 0.5 to 6 mm².
- Colour coded insulation sleeve with "easy-entry" is fitted over the barrel.
- Electrolytic copper, brazed barrel, electro tinned.
- High mechanical and dielectric resistant insulation (polyamide)
- Heat resistant up to +105°C

Compliant with **DIN 46237/C**



Tooling : see pages 164-168

Preinsulated fork terminals



Conductor size (mm ²)	item code	Part numbers	Stud hole mm	Dimensions mm		
				w	d	F
0.5 - 1.5	7212424	BE1FM27D	2.5	6.0	2.7	17.0
	7212425	BE1FM32D	3.0	6.0	3.2	17.0
	7212430	BE1FM37D	3.5	6.0	3.7	17.0
	7212432	BE1FM43 *	4.0	6.4	4.3	16.8
	7212435	BE1FM43D	4.0	8.0	4.3	18.0
	7212437	BE1FM53 *	5.0	8.0	5.3	17.5
	7212440	BE1FM53D	5.0	10.0	5.3	19.0
	7212445	BE1FM65D	6.0	11.0	6.5	21.0
1.5 - 2.5	7212450	BE25FM32D	3.0	6.0	3.2	17.0
	7212455	BE25FM37D	3.5	6.0	3.7	17.0
	7212457	BE25FM43 *	4.0	6.4	4.3	17.3
	7212460	BE25FM43D	4.0	8.0	4.3	18.0
	7212462	BE25FM53 *	5.0	8.5	5.3	18.3
	7212465	BE25FM53D	5.0	10.0	5.3	20.0
	7212470	BE25FM65D	6.0	11.0	6.5	22.0
	7212472	BE25FM84D	8.0	14.0	8.4	23.0
4 - 6	7212474	BE6FM37 *	3.5	7.2	3.7	21.5
	7212475	BE6FM43D	4.0	8.0	4.3	21.0
	7212480	BE6FM53D	5.0	10.0	5.3	22.0
	7212485	BE6FM65D	6.0	11.0	6.5	23.0
	7212490	BE6FM84D	8.0	14.0	8.4	26.0

* Additional products similar to DIN 46237/C

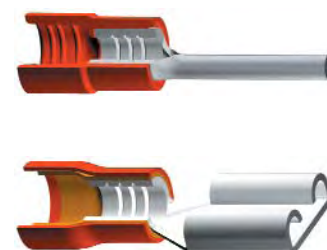
Insulated wire-pin terminals with easy entry



Compliant with **DIN 46231** and **DIN 46245**

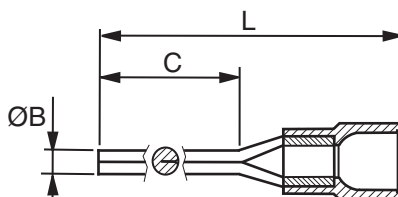
General features

- Wide range of copper terminals taking conductors from 0.5 to 6 mm.
- Colour coded insulation sleeve with “easy-entry” is fitted over the barrel.
- Electrolytic copper, electro tinned.
- High mechanical and dielectric resistant insulation (polyamide)
- Heat resistant up to +105°C



Tooling : see pages 164-168

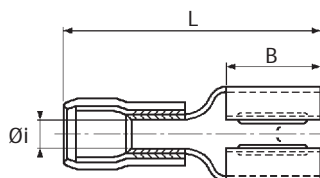
Preinsulated pin terminals



Conductor size (mm ²)	item code	Part numbers	Dimensions mm		
			ØB	C	L
0.5 - 1.5	7276115	BE1W10 *	1.9	8.5	21.5
	7276120	BE1W13D	1.9	10.5	24.5
	7276122	BE1W17 *	1.9	16.5	29.5
1.5 - 2.5	7276125	BE25W10 *	1.9	8.5	22.0
	7276130	BE25W13D	1.9	10.5	24.0
	7276135	BE25W17 *	1.9	16.5	30.0
4 - 6	7276140	BE25W13D	2.7	10.5	25.5
	7276142	BE25W17 *	2.7	16.5	31.5

* Additional products similar to DIN 46231

Preinsulated female disconnects



Conductor size (mm ²)	Bulk packing		Packing 100 pieces / box		Insulation max Ø (mm)	Male disconnect (mm)	B (mm)	Øi (mm)	L (mm)
	Item code	Part number	Item code	Part number					
0.5 - 1	7 252 200	DQA2,8-5	7 252 201	B100DQA2,8-5	4.1	2.8 x 0.5	6.4	1.8	17.5
	7 252 205	DQA2,8-8	7 252 206	B100DQA2,8-8	4.1	2.8 x 0.8	6.4	1.8	17.5
	7 252 210	DQA5	7 252 211	B100DQA5	4.1	4.8 x 0.5	6	1.8	18
	7 252 215	DQA4,7-8	7 252 216	B100DQA4,7-8	4.1	4.8 x 0.8	6	1.8	18
	7 252 220	DQA6,35	7 252 221	B100DQA6,35	4.1	6.3 x 0.8	7.5	1.8	22
	7 252 225	DQA8	7 252 226	B100DQA8	4.1	8.0 x 0.8	9.5	1.8	25
1.5 - 2.5	7 252 230	DQB5	7 252 231	B100DQB5	4.5	4.8 x 0.5	6	2.4	18
	7 252 235	DQB4,7-8	7 252 236	B100DQB4,7-8	4.5	4.8 x 0.8	6	2.4	18
	7 252 240	DQB6,35	7 252 241	B100DQB6,35	4.5	6.3 x 0.8	6	2.4	21
	7 252 245	DQB8	7 252 246	B100DQB8	4.5	8.0 x 0.8	9.5	2.4	25
4 - 6	7 252 250	DQC6,35	7 252 251	B100DQC6,35	6.4	6.3 x 0.8	7.5	3.8	21
	7 252 255	DQC9,5	7 252 256	B100DQC9,5	6.4	9.4 x 1.2	12	3.8	26.5

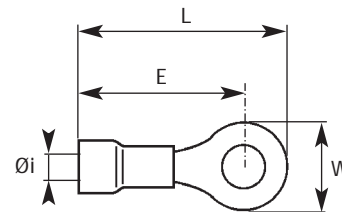
General features

Compliant with **UL-CSA**

- Electrolytic tin-plated copper.
- Barrel with funnel entry.
- Grooves in the barrel provide a better tensile strength.
- PVC insulating sleeve.
- Easy entry.
- Flammability rating: UL 94V0.
- UL listed.

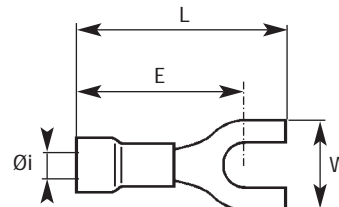
Tooling : see pages 164-168

Preinsulated ring terminals



Conductor size (mm ²)	Packing 100 pieces / box		Insulation Ø max (mm)	Bolt Ø (mm)	W (mm)	Øi (mm)	E (mm)	L (mm)
	Item code	Part number						
0.34 - 1.5	7 307 001	1-3 R	4	3.3	5.5	1.7	15	17.5
	7 307 011	1-4 R	4	4.3	8	1.7	17	20.8
	7 307 021	1-5 R	4	5.3	8	1.7	17	20.8
	7 307 031	1-6 R	4	6.5	11.6	1.7	21	26.8
	7 307 041	1-8 R	4	8.5	11.6	1.7	21	26.8
	7 307 051	1-10 R	4	10.5	13.6	1.7	23.6	30.5
1.0 - 2.5	7 307 141	4-3 B	4.5	3.3	6.6	2.3	14.8	17.8
	7 307 151	4-4 B	4.5	4.3	8.5	2.3	17.8	21.8
	7 307 161	4-5 B	4.5	5.3	8.5	2.3	17.8	21.8
	7 307 171	4-6 B	4.5	6.5	12	2.3	21	26.8
	7 307 181	4-8 B	4.5	8.5	12	2.3	21	26.8
	7 307 191	4-10 B	4.5	10.5	13.6	2.3	23.9	30.5
2.6 - 6	7 307 301	6-3 J	6.3	3.3	7.2	3.4	19.1	22.7
	7 307 311	6-4 J	6.3	4.3	7.2	3.4	19.1	22.7
	7 307 321	6-5 J	6.3	5.3	9.5	3.4	22.1	26.6
	7 307 331	6-6 J	6.3	6.5	12	3.4	23.5	29.5
	7 307 341	6-8 J	6.3	8.5	15	3.4	21.4	34
	7 307 351	6-10 J	6.3	10.5	15	3.4	23.5	34
7 307 361	6-12 J	6.3	12.7	19.2	3.4	26	38.6	

Preinsulated fork terminals



Conductor size (mm ²)	Packing 100 pieces / box		Insulation Ø max (mm)	Bolt Ø (mm)	W (mm)	Øi (mm)	E (mm)	L (mm)
	Item code	Part number						
0.34 - 1.5	7 307 071	R 1-3 F	4	3.3	5.7	1.7	16.5	21
	7 307 081	R 1-4 F	4	4.3	6.4	1.7	16.5	21
	7 307 091	R 1-5 F	4	5.3	8.1	1.7	16.5	21
	7 307 101	R 1-6 F	4	6.4	9.5	1.7	16.5	21
1.0 - 2.5	7 307 221	B 4-3 F	4.5	3.3	5.7	2.3	16.7	21
	7 307 241	B 4-4 F	4.5	4.3	6.4	2.3	16.7	21
	7 307 251	B 4-5 F	4.5	5.3	7.9	2.3	16.7	21
	7 307 261	B 4-6 F	4.5	6.5	9.3	2.3	16.7	21
2.6 - 6	7 307 401	J 6-3 F	6.3	6.5	8.3	3.4	20	25.5
	7 307 411	J 6-4 F	6.3	4.3	8.3	3.4	20	25.5
	7 307 421	J 6-5 F	6.3	5.3	9	3.4	21	26.5
	7 307 431	J 6-6 F	6.3	6.5	12	3.4	25	31.5
7 307 441	J 6-8 F	6.3	8.5	14	3.4	23.5	30.5	

Preinsulated disconnects

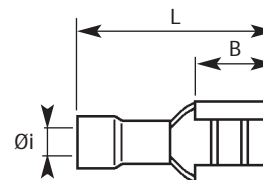
General features

Compliant with **UL-CSA**

- Tin-plated brass. • Barrel with funnel entry. • Grooves in the barrel provide a better tensile strength. • PVC insulating sleeve. • Easy entry.
- Copper sleeve for double crimping. • Flammability rating: UL 94V0.
- UL listed.

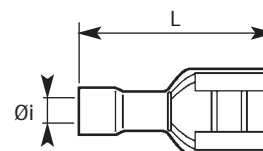
Tooling : see pages 164-168

Preinsulated female disconnects



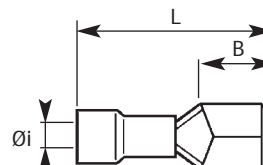
Conductor size (mm ²)	Packing 100 pieces / box		Insulation Ø max (mm)	Width (mm)	Thickness (mm)	Øi (mm)	B (mm)	L (mm)
	Item code	Part number						
0.34 - 1.5	7 307 551	8620	3.8	2.8	0.5	1.7	6.5	19
	7 307 561	8621	3.8	4.8	0.5	1.7	6.4	19.4
	7 307 571	8623	3.8	6.35	0.8	1.7	7.3	20.8
1.0 - 2.5	7 307 620	8618	4.7	2.8	0.5	2.3	6.5	19
	7 307 581	8622	4.7	4.8	0.5	2.3	6.4	19.4
	7 307 579	8622-8	4.7	4.8	0.8	2.3	6.4	19.4
	7 307 591	8624	4.7	6.35	0.8	2.3	7.3	20.8
2.6 - 6	7 307 621	8625	6.2	6.35	0.8	3.4	7.3	23.3
	7 307 611	8626	6.2	9.5	1.2	3.4	12	28.6

Fully preinsulated female disconnects



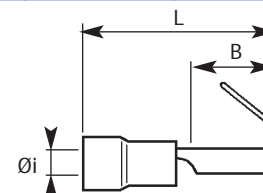
Conductor size (mm ²)	Packing 100 pieces / box		Insulation Ø max (mm)	Width (mm)	Thickness (mm)	Øi (mm)	L (mm)
	Item code	Part number					
0.34 - 1.5	7 307 681	8623 TI	3.8	6.35	0.8	1.7	21.8
1.0 - 2.5	7 307 704	8624 TI	4.7	6.35	0.8	2.3	22.2
2.6 - 6	7 307 622	8625 TI	6.2	6.35	0.8	3.4	24.2

Preinsulated male disconnects



Conductor size (mm ²)	Packing 100 pieces / box		Insulation Ø max (mm)	Width (mm)	Thickness (mm)	Øi (mm)	B (mm)	L (mm)
	Item code	Part number						
0.34 - 1.5	7 307 500	861 R	3.8	4.8	0.5	1.7	6.5	19.8
	7 307 501	863 R	3.8	6.35	0.8	1.7	7.7	21.8
1.0 - 2.5	7 307 515	861 B	4.7	4.8	0.5	2.3	6.5	19.8
	7 307 511	863 B	4.7	6.35	0.8	2.3	7.7	21.8
2.6 - 6	7 307 521	863 J	6.2	6.35	0.8	3.4	7.7	24

Preinsulated piggyback disconnects



Conductor size (mm ²)	Packing 100 pieces / box		Insulation Ø max (mm)	Width (mm)	Thickness (mm)	Øi (mm)	B (mm)	L (mm)
	Item code	Part number						
0.34 - 1.5	7 307 631	86240 R	3.8	6.35	0.8	1.7	8	22.5
1.0 - 2.5	7 307 641	86240 B	4.7	6.35	0.8	2.3	8	22.5

Fully preinsulated female disconnects Cylindrical plugs and preinsulated pins

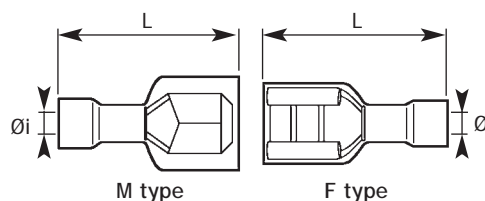
General features

Compliance with **UL-CSA**

- Electrolytic tin-plated copper.
- Barrel with funnel entry.
- Grooves in the barrel provide a better tensile strength.
- PVC insulating sleeve.
- Easy entry.
- Copper sleeve for double crimping.
- Flammability rating: UL 94V0.
- UL listed.

Tooling : see pages 164-168

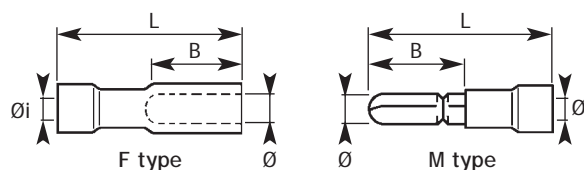
Fully preinsulated male and female disconnects



Conductor size (mm ²)	Packing 100 pieces / box		Insulation Ø max (mm)	Type	Width (mm)	Thickness (mm)	Øi (mm)	L (mm)
	Item code	Part number						
0.34 - 1.5	7 307 680	863 MTIR	4	M	6.35	0.8	1.7	24.5
	7 307 682	8623 FTIR	4	F	6.35	0.8	1.7	22.5
1.0 - 2.5	7 307 707	864 MTIB	4	M	6.35	0.8	2.3	24.5
	7 307 708	8624 FTIB	4.5	F	6.35	0.8	2.3	23
2.6 - 6	7 307 623	865 MTIJ	5	M	6.35	0.8	3.4	24.5
	7 307 624	8625 FTIJ	5	F	6.35	0.8	3.4	23

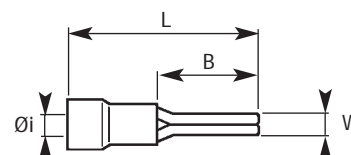
Preinsulated male and female cylindrical plugs

Also available: 100 pieces / plastic box (see price list).



Conductor size (mm ²)	Packing 100 pieces / box		Insulation Ø max (mm)	Type	Ø (mm)	Øi (mm)	B (mm)	L (mm)
	Item code	Part number						
0.34 - 1.5	7 274 011	SFMA 4	3.8	M	4	1.7	8.5	21.5
	7 274 031	SFFA 4	3.8	F	4	1.7	7.3	23.3
	7 274 025	SFMB 4	4.7	M	4	2.3	8.5	21.7
1.0 - 2.5	7 274 061	SFFB 4	4.7	F	4	2.3	7.3	23.3
	7 274 021	SFMB 5	4.7	M	5	2.3	8.5	21.2
	7 274 041	SFFB 5	4.7	F	5	2.3	7	23.3

Preinsulated pins



Electrolytic tin-plated copper. single crimp.

Conductor size (mm ²)	Packing 100 pieces / box		Insulation Ø max (mm)	W (mm)	Øi (mm)	B (mm)	L (mm)
	Item code	Part number					
0.34 - 1.5	7 307 911	TMTC 1	4	1.9	1.7	12	22.5
1.0 - 2.5	7 307 921	TMTC 2	4.5	1.9	2.3	12	22.5
2.6 - 6	7 307 931	TMTC 3	6.3	2.5	4	14	28

Preinsulated butt splices Self-stripping quick connectors



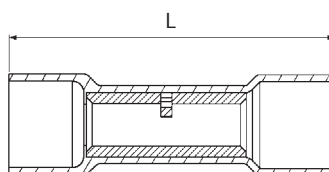
Compliant with **UL-CSA**

General features

- Preinsulated butt splices.
- Tin-plated copper.
 - Barrel with funnel entry.
 - PVC insulating sleeve with high dielectric and mechanical resistance.
 - Flammability rating: UL 94VO.

Tooling : see pages 164-168

Preinsulated butt splices



Conductor size (mm ²)	Packing 100 pieces / box		Insulation Ø max (mm)	Material	L (mm)
	Item code	Part number			
0.34 - 1.5	7 307 851	MLCR	4	PVC	24.6
1.0 - 2.5	7 307 871	MLCB	4.5	PVC	24.6
2.6 - 6	7 307 891	MLCJ	6.3	PVC	26.5

General features

- Self-stripping quick connectors.
- Applications:
Automotive electrical, telecommunications, plus many others.

Self-stripping quick connectors



Conductor size (mm ²)	Packing 100 pieces / box		Packing 10 pieces / box		Colour
	Item code	Part number	Item code	Part number	
0.5 - 1.0	7 270 021	CR 110	7 270 022	B10 CR 110	Red
0.75 - 2.5	7 270 011	CR 210	7 270 013	B10 CR 210	Blue

Polyamide insulated terminals with insulation support



General features

- Wide range of copper terminals taking wires from 0.2 to 6 mm²
- Brazed seam, long barrel and inner serrations permit wide latitude in crimping.
- Colour coded insulation sleeve is fitted over the barrel.
- UL and MIL-T-7928 (ASG) approved terminals also available on request.
- Electrolytic copper tube, electro tinned
- Polyamide insulation
- Heat resistant up to +105°C

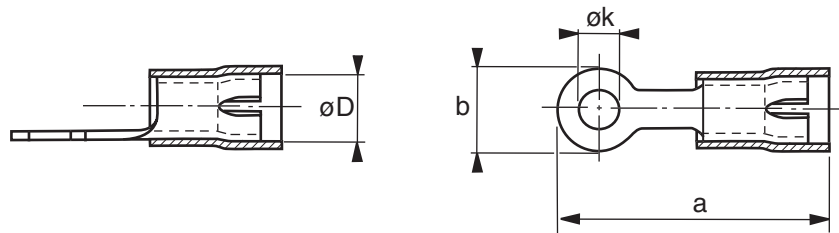
Compliant with **UL and SAE AS 7928-A1**

YAE line



Tooling : see pages 164-168

Ring tongue



Conductor size (mm ²)	Item code	Part number	Dimensions (mm)				
			Ø Bolt	Ø K	Ø D	a (max.)	b (max.)
0.2 - 0.5	7222600	YAE22G16	3	3.1	2.5	19	4.3
	7222601	YAE22G13	3.5	3.7		19	6.7
	7222602	YAE22G14	4	4.3		21	8.3
	7222603	YAE22G15	5	5.3		21	8.3
0.5 - 1.5	7222604	YAE18M32	3	3.2	3.2	20.5	5.7
	7222605	YAE18M37	3.5	3.7		20.5	6.5
	7222606	YAE18M43	4	4.3		23.4	8.1
	7222607	YAE18M53	5	5.3		23.4	8.1
	7222608	YAE18M65	6	6.5		27.9	11.6
	7222609	YAE18M84	8	8.4		27.9	11.6
1.5 - 2.5	7222610	YAE14M37	3.5	3.7	3.9	20.8	6.5
	7222611	YAE14M43	4	4.3		23.3	8.1
	7222612	YAE14M53	5	5.3		23.3	8.1
	7222613	YAE14M65	6	6.5		28.1	11.6
	7222614	YAE14M84	8	8.4		28.1	11.6
	7222615	YAE14M105	10	10.5		30.2	13.5
4 - 6	7222616	YAE10M37	3.5	3.7	5.7	29.1	9.6
	7222617	YAE10M43	4	4.3		29.6	9.6
	7222618	YAE10M53	5	5.3		29.6	9.6
	7222619	YAE10M65	6	6.5		35.2	13.8
	7222620	YAE10M84	8	8.4		35.2	13.8
	7222621	YAE10M105	10	10.5		35.2	13.8

Polyamide insulated terminals with insulation support



General features

- Wide range of copper terminals taking wires from 0.2 to 6 mm²
Brazed seam, long barrel and inner serrations permit wide latitude in crimping.
Colour coded insulation sleeve is fitted over the barrel.
UL and MIL-T-7928 (ASG) approved terminals also available on request.
- Electrolytic copper tube, electro tinned
Polyamide insulation
- Heat resistant up to +105°C

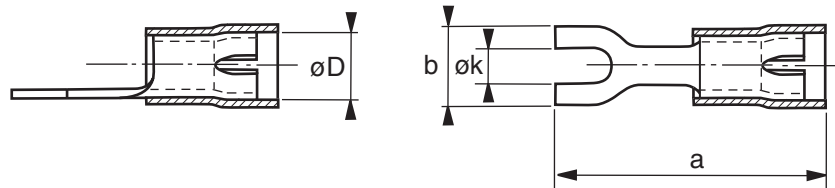
Compliant with **UL and SAE AS 7928-A1**

YAE line



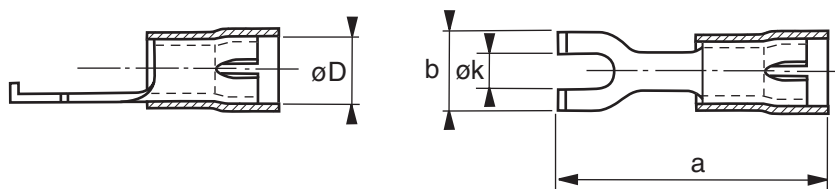
Tooling : see pages 164-168

Fork tongue



Conductor size (mm ²)	Item code	Part number	Dimensions (mm)				
			\varnothing Bolt	\varnothing K	\varnothing D	a (max.)	b (max.)
0.2 - 0.5	7222500	YAE22N66F	3.5	3.7	2.5	20.8	7.5
	7222501	YAE18F32	3	3.2		19.6	6.8
0.5 - 1.5	7222502	YAE18F37	3.5	3.7	3.2	19.6	6.8
	7222503	YAE18F43	4	4.3		24	8.2
	7222504	YAE14F37	3.5	3.7		22.1	7.1
1.5 - 2.5	7222505	YAE14F43	4	4.3	3.9	24.4	7.9
	7222506	YAE14F53	5	5.3		25.7	9.2

Flanged fork tongue



Conductor size (mm ²)	Item code	Part number	Dimensions (mm)				
			\varnothing Bolt	\varnothing K	\varnothing D	a (max.)	b (max.)
0.2 - 0.5	7222550	YAE22Z2	3.5	3.7	2.5	20.6	7.2
0.5 - 1.5	7222551	YAE18Z32	3	3.2	3.2	22.5	6.4
	7222552	YAE18Z37	3.5	3.7		22.5	7.1
	7222553	YAE18Z43	4	4.3		24.7	7.9
	7222554	YAE18Z53	5	5.3		26.9	9.1
	7222555	YAE14Z37	3.5	3.7		3.9	22.1
1.5 - 2.5	7222556	YAE14Z43	4	4.3	24.4		8.0
	7222557	YAE14Z53	5	5.3	25.7		8.0

Polyamide insulated splices



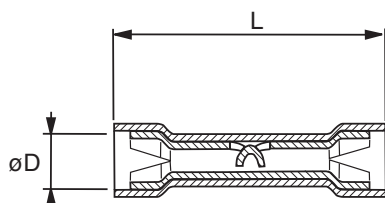
General features

- Wide range of copper splices taking wires from 0.5 to 6 mm²
- Electrolytic copper tube, electro tinned
- Polyamide insulation
- Heat resistant up to +105°C

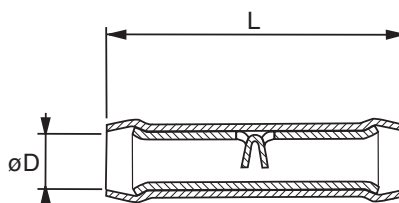
Compliant with **UL and SAE AS 7928-A1**

YSE line

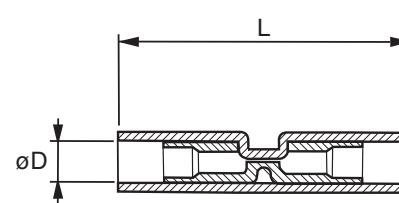
Tooling : see pages 164-168



YSE-H (fig. 1)



YSE (fig. 2)



YSE-HN (fig. 3)

Conductor size (mm ²)	Item code	Part number	Fig.	Dimensions (mm)	
				D	L
0.5 - 1.5	7276080	YSE18H	1	3.2	30.5
	7276081	YSE18HN	3		31.7
1.5 - 2.5	7276082	YSE14H	1	4.0	34.5
	7276083	YSE14HN	3		31.7
4 - 6	7276084	YSE10	2	6.0	28
	7276085	YSE10HN	3		41.6

Preinsulated terminals with dual-wall heat-shrinkable insulation



General features

- Tin-plated copper.
- Insulating sleeve: heat-shrinkable tubing with internal adhesive.
- Shrink temperature: 150°C.
- Operating temperature: from -10°C to +105°C.

TH series

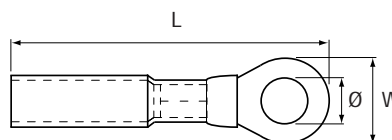


THF series



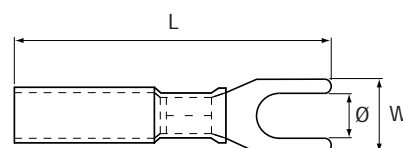
Tooling : see pages 164-168

TH series



Conductor size (mm ²)	Packing 100 pieces / box		Bolt Ø (mm)	Dimensions (mm)	
	Item code	Part number		W	L
0.5 - 1	7 465 500	THA3,7	3.7	5.5	25
	7 465 501	THA4	4	8	28.5
	7 465 502	THA5	5	8	28.5
	7 465 503	THA6	6	11.6	34.5
	7 465 504	THA8	8	11.6	34.5
	7 465 505	THA10	10	13.6	37.5
1.5 - 2.5	7 465 506	THB3,7	3.7	6.6	26.5
	7 465 507	THB4	4	8.5	30.5
	7 465 508	THB5	5	9.5	30.5
	7 465 509	THB6	6	12	35.5
	7 465 510	THB8	8	12	35.5
	7 465 511	THB10	10	13.6	37.5
4 - 6	7 465 512	THC4	4	9.5	34.2
	7 465 513	THC5	5	9.5	34
	7 465 514	THC6	6	12	37.5
	7 465 515	THC8	8	15	42
	7 465 516	THC10	10	15	42
	7 465 517	THC12	12	19.2	46.5

THF series



Conductor size (mm ²)	Packing 100 pieces / box		Bolt Ø (mm)	Dimensions (mm)	
	Item code	Part number		W	L
0.5 - 1	7 465 518	THFA3,7	3.7	6.4	29.3
	7 465 519	THFA4	4	7.2	29.6
	7 465 520	THFA5	5	9.5	30
1.5 - 2.5	7 465 521	THFB3,7	3.7	6	28.5
	7 465 522	THFB4	4	7.2	29.5
	7 465 523	THFB5	5	9.5	30.5
4 - 6	7 465 524	THFC4	4	9	33.5
	7 465 525	THFC5	5	9	33.5
	7 465 526	THFC6	6	12	41

Preinsulated disconnects with dual-wall heat-shrinkable insulation



General features

- Tin-plated brass.
- Insulating sleeve: heat-shrinkable tubing with internal adhesive.
- Shrink temperature: 150°C.
- Operating temperature: from -10°C to +105°C.

THQ series



THQ P series

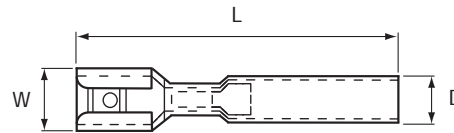


THQ M series



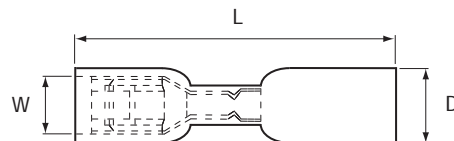
Tooling : see pages 164-168

THQ series



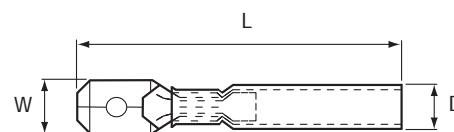
Conductor size (mm ²)	Packing 100 pieces / box		Male disconnect		Dimensions (mm)		
	Item code	Part number	Width (mm)	Thickness (mm)	W	L	D
0.5 - 1	7 465 527	THQA6,35	6.3	0.8	6.6	34	5.5
1.5 - 2.5	7 465 528	THQB6,35	6.3	0.8	6.6	34	6
4 - 6	7 465 529	THQC6,35	6.3	0.8	6.6	35	8.1

THQP series



Conductor size (mm ²)	Packing 100 pieces / box		Male disconnect		Dimensions (mm)		
	Item code	Part number	Width (mm)	Thickness (mm)	W	L	D
0.5 - 1	7 465 530	THQAP6,35	6.3	0.8	6.6	33	7.5
1.5 - 2.5	7 465 531	THQBP6,35	6.3	0.8	6.6	33	7.5
4 - 6	7 465 532	THQCP6,35	6.3	0.8	6.6	35	8.1

THQM series



Conductor size (mm ²)	Packing 100 pieces / box		Dimensions (mm)			
	Item code	Part number	Thickness (mm)	W	L	D
0.5 - 1	7 465 533	THQMA6,35	0.8	6.3	35	5.5
1.5 - 2.5	7 465 534	THQMB6,35	0.8	6.3	32	6
4 - 6	7 465 535	THQMC6,35	0.8	6.3	35	8.1

Crimping splices with dual-wall heat-shrinkable insulation



BHT series

General features

Butt splices offer a perfect waterproof seal compared to ordinary preinsulated crimp connectors, due to the unique combination of the tin-plated barrel and the heat-shrinkable outer wall with a thermoplastic adhesive.

- Range from 0.5 to 6 mm² in 3 part numbers.
- Shrink ratio: 3/1.
- Shrink temperature: 120°C.
- Operating temperature: from - 55°C to + 95°C.
- Insulation in compliance with MIL-I-23053/4 class 2 standard.
- Dielectric strength: 15 kV / mm.
- Volume resistivity: 10¹⁴ Ω / cm.

Tooling : see page 152

Instructions

- Strip 8 mm of cable.
- Determine proper butt splice for the size of cable.
- Insert the first cable conductor into the butt splice up to the stop situated at the centre of the copper sleeve.
- Make the first crimp (PM2000G tool).
- Repeat this operation on the other side of the cable conductor (figures 1 & 2).
- For the shrink, apply heat from the centre up to each end of the sleeve.
- Continue to shrink until adhesive can be seen between the cable insulation and butt splice (fig. 3).
- Caution ! Do not use an open flame. The use of the hot air gun HL1810S is recommended (page 152).

Fig. 1

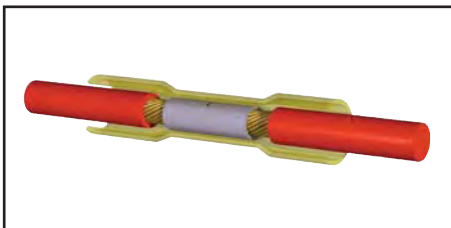


Fig. 2

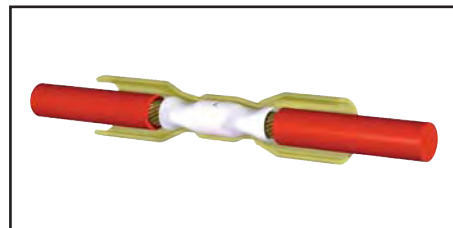
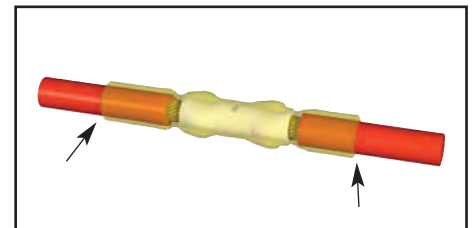
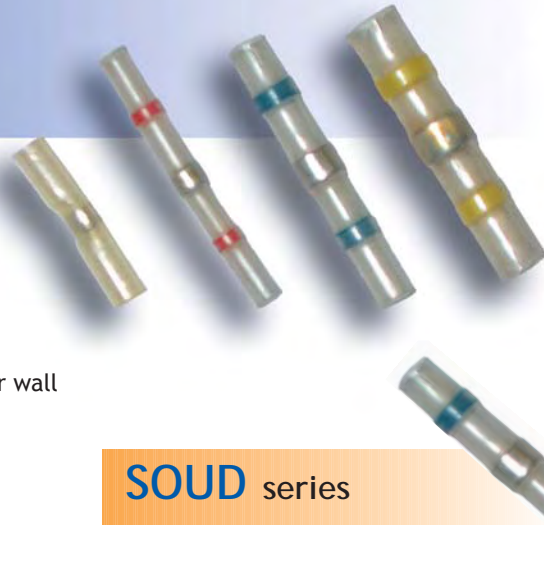


Fig. 3



Conductor size (mm ²)	Packing 100 pieces / box		Insulation Ø max (mm)	Total length (mm)	Colour
	Item code	Part number			
0.5 - 1	7 469 930	BHT 1	4.2	36	Red
1.5 - 2.5	7 469 931	BHT 2	4.9	36	Blue
4 - 6	7 469 932	BHT 3	6.4	41	Yellow

Solder splices with dual-wall heat-shrinkable insulation



General features

Solder splices offer a perfect waterproof seal in comparison to ordinary solder connections. This is due to the unique combination of the solder ring and the heat-shrinkable outer wall with the thermoplastic adhesive.

- Range from 0.1 to 6 mm² in 4 part numbers.
- Shrink ratio: 3/1.
- Shrink temperature: 120° C.
- Melting temperature of the solder alloy: 145° C min.
- Recommended shrinking temperature: 250° C.
- Operating temperature: from -55° C to +95° C.
- Insulation in compliance with MIL-I-23053/4 class 2 standard.
- Dielectric strength: 15 kV / mm.
- Volume resistivity: 10¹⁴ Ω / cm.

SOUD series

Tooling : see page 152

Instructions

- Strip cable conductors for approx 8 mm.
- Determine the proper solder splice for size of cable.
- Slide the solder splice over one end.
- Push both ends together to intermingle strands (fig. 1).
- Slide over joined cables until solder ring is positioned in the centre of stripped part (fig. 2).
- Apply heat from the centre to each end of the sleeve, use hot air heating tool until the sleeve is recovered.
- Focus heat on the solder until it becomes molten.
- If shrinking has been carried out properly, adhesive will be visible between cable and butt splice.
- Avoid overheating by setting correct temperature (250° C) and rotating heat source.
- Let splice cool down for a perfect connection.
- Caution! Do not use an open flame. The use of the hot air gun part HL1810S is recommended (page 152).

Fig. 1

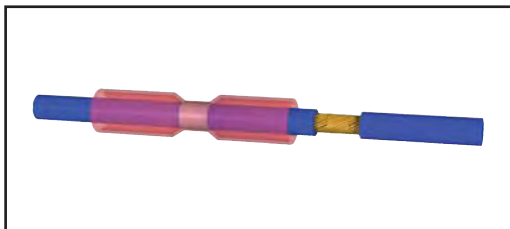


Fig. 2

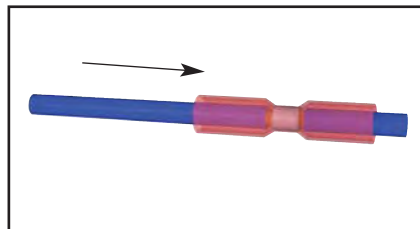
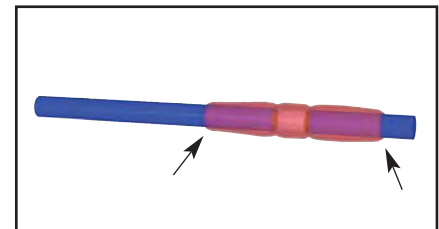
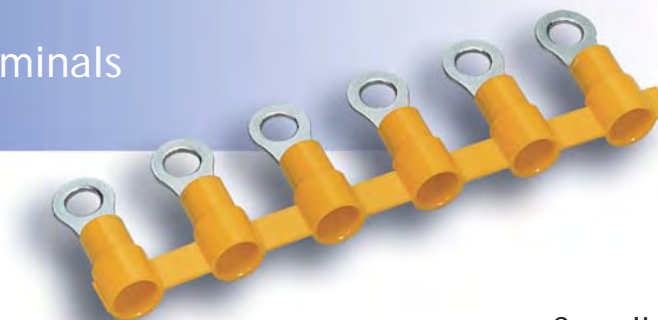


Fig. 3



Conductor size (mm ²)	Packing 50 pieces / box		Insulation Ø max (mm)	Total length (mm)	Colour
	Item code	Part number			
0.2 - 0.75	7 469 940	SOUD 05	1.5	25	Transparent
0.8 - 2.0	7 469 941	SOUD 10	2.7	42	Red
2.0 - 4.0	7 469 942	SOUD 25	4.5	42	Blue
4.0 - 6.0	7 469 943	SOUD 60	6.0	42	Yellow

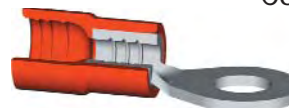
Chain preinsulated ring terminals



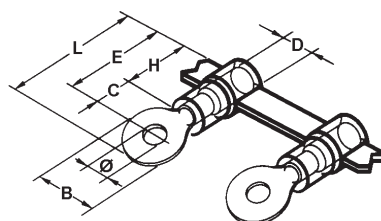
General features

- Tin-plated copper terminals.
- PVC insulating sleeve with easy entry.
- Flammability rating: UL 94V0.

Compliant with **UL-CSA**



Tooling : see pages 53-54



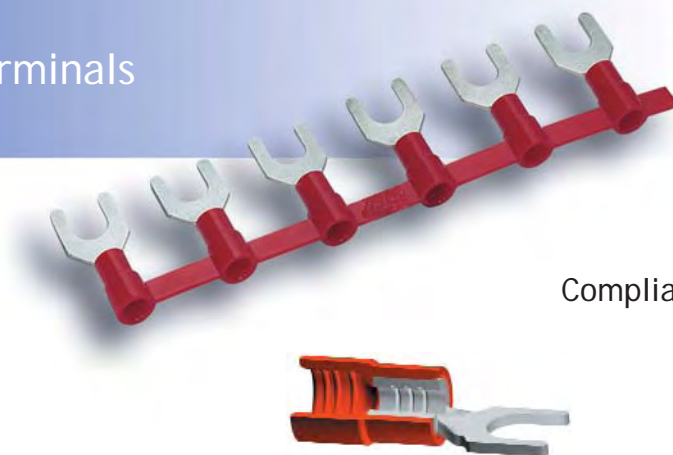
Conductor size (mm ²)	Item code	Part number	Bolt Ø (mm)	Dimensions (mm)						Quantity per reel	Applicators for NCA100T crimping machine
				B	C	L	H	E	D		
0.34 - 1.5	7 291 010	B-A-2	2	5.5	4.75	17.5	10	14.75	4.1	1 500	*NC-11 A
	7 291 011	BA-3 S	3	5.7	4.55	17.4	10	14.55	4.1		
	7 291 012	B-A-3	3	5.5	4.75	17.5	10	14.75	4.1		
	7 291 013	B-A-3,5 S	3.5	5.7	4.55	17.4	10	14.55	4.1		
	7 291 014	B-A-3,5	3.5	8	7.1	21.1	10	17.1	4.1		
	7 291 015	B-A-3,5 M	3.5	6.8	6	19.4	10	16	4.1		
	7 291 061	B-A-4 M	4	6.8	6	19.4	10	16	4.1		
	7 291 071	B-A-4	4	8	7.1	21.1	10	17.1	4.1		
	7 291 072	B-A-5	5	8	7.1	21.1	10	17.1	4.1		
	7 291 091	B-A-6	6	12	9.7	25.7	10	19.7	4.1		
7 291 118	B-A-8	8	12	9.7	25.7	10	19.7	4.1			
1.0 - 2.5	7 291 145	B-B-2	2	6.5	4.95	18.2	10	14.95	4.5	1 500	NC-12 A
	7 291 146	B-B-3	3	6.5	4.95	18.2	10	14.95	4.5		
	7 291 147	B-B-3,5 S	3.5	6.6	7.6	20.9	10	17.6	4.5		
	7 291 148	B-B-3,5	3.5	6.5	4.95	18.2	10	14.95	4.5		
	7 291 149	B-B-3,5 M	3.5	8	7.5	21.5	10	17.5	4.5		
	7 291 161	B-B-4 S	4	6.6	6.6	19.9	10	16.6	4.5		
	7 291 151	B-B-4	4	8.5	7.75	22	10	17.75	4.5		
	7 291 190	B-B-4-M	4	8	7.5	21.5	10	17.5	4.5		
	7 291 191	B-B-5 M	5	8	7.5	21.5	10	17.5	4.5		
	7 291 201	B-B-5	5	9.5	7.75	22.5	10	17.75	4.5		
	7 291 211	B-B-6	6	12	11	27	10	21	4.5		
	7 291 221	B-B-8	8	12	11	27	10	21	4.5		
7 291 222	B-B-10	10	15	12.5	30	10	22.5	4.5			
2.6 - 6	7 291 265	B-C-3 S	3	9	7.2	25.7	14	21.2	6.8	1 000	** NC-13 A
	7 291 266	B-C-3,5 S	3.5	9	7.2	25.7	14	21.2	6.8		
	7 291 267	B-C-3,5	3.5	9.5	8.25	27	14	22.25	6.8		
	7 291 271	B-C-4 S	4	9	7.2	25.7	14	21.2	6.8		
	7 291 281	B-C-4	4	9.5	8.25	27	14	22.25	6.8		
	7 291 302	B-C-5 S	5	9	7.2	25.7	14	21.2	6.8		
	7 291 301	B-C-5	5	9.5	8.25	27	14	22.25	6.8		
	7 291 311	B-C-6	6	12	10.5	30.5	14	24.5	6.8		
	7 291 321	B-C-8	8	15	14	35.5	14	28	6.8		
	7 291 331	B-C-10	10	15	14	35.5	14	28	6.8		

* NC11A2 applicator is to be used for conductors from 0.3 to 0.5 mm².

** NC13A2 is to be used for conductors from 2.6 to 3.5 mm² and NC13A for conductors from 3.5 to 6.6 mm².

Note: for an applicator equipped with a microswitch, add the letter "S" to the part number. Eg. NC11A becomes NC11AS.

Chain preinsulated fork terminals

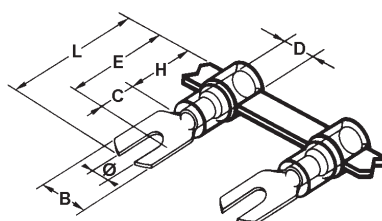


General features

- Tin-plated copper terminals.
- PVC insulating sleeve with easy entry.
- Flammability rating: UL 94V0.

Compliant with **UL-CSA**

Tooling : see pages 53-54



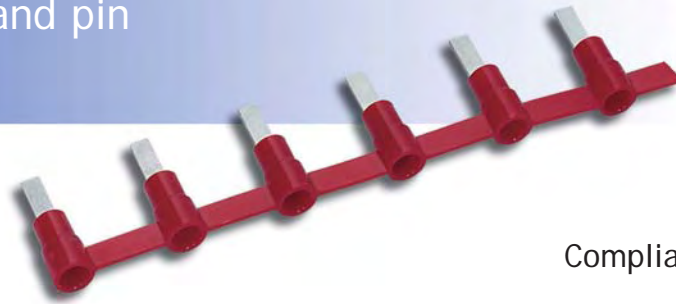
Conductor size (mm ²)	Item code	Part number	Bolt Ø (mm)	Dimensions (mm)						Quantity per reel	Applicators for NCA100T crimping machine
				B	C	L	H	E	D		
0.34 - 1.5	7 291 385	B-RGF-A-3	3	5.8	6.6	21.5	10	16.6	4.1	1 500	*NC-11 A
	7 291 386	B-RGF-A-3,5 L	3.5	6.2	6.8	21.5	10	16.8	4.1		
	7 291 423	B-RGF-A-4 S	4	7	7.6	21.9	10	17.6	4.1		
	7 291 391	B-RGF-A-4 N	4	6.4	6.6	21.9	10	16.6	4.1		
	7 291 424	B-RGF-A-4 M	4	8.1	7.5	21.9	10	17.7	4.1		
	7 291 426	B-RGF-A-4 L	4	9.6	8.3	23	10	18.3	4.1		
	7 291 425	B-RGF-A-5	5	9.6	8.3	23	10	18.3	4.1		
7 291 427	B-RGF-A-6	6	11	8.6	25.5	10	18.6	4.1	1 500	NC-12 A	
1.0 - 2.5	7 291 445	B-RGF-B-3	3	5.9	6.6	21.3	10	16.6			4.5
	7 291 446	B-RGF-B-3,5	3.5	6.4	6.6	21.3	10	16.6			4.5
	7 291 449	B-RGF-B-4 S	4	7	7	21.3	10	17			4.5
	7 291 451	B-RGF-B-4 N	4	6.4	6.6	31.3	10	16.6			4.5
	7 291 452	B-RGF-B-4	4	8	7.1	21.5	10	17.1			4.5
	7 291 453	B-RGF-B-4 M	4	10	8.7	22.6	10	18.7			4.5
	7 291 454	B-RGF-B-5	5	8	7.1	21.5	10	17.1			4.5
	7 291 455	B-RGF-B-5 M	5	10	8.7	22.6	10	18.7			4.5
	7 291 456	B-RGF-B-5 L	5	12	8.5	23.5	10	18.5	4.5		
7 291 457	B-RGF-B-6	6	12	8.6	23.5	10	18.6	4.5	1 000	** NC-13 A	
2.6 - 6	7 291 530	B-RGF-C-3,5	3.5	9	7.2	25.7	14	21.2			6.8
	7 291 531	B-RGF-C-4	4	9	7.2	25.7	14	21.2			6.8
	7 291 541	B-RGF-C-5	5	9	7.2	25.7	14	21.2			6.8
	7 291 551	B-RGF-C-6	6	12.5	12	32.7	14	26			6.8

* NC11A2 applicator is to be used for conductors from 0.3 to 0.5 mm².

** NC13A2 is to be used for conductors from 2.6 to 3.5 mm² and NC13A for conductors from 3.5 to 6.6 mm².

Note: for an applicator equipped with a microswitch, add the letter "S" to the part number. Eg. NC11A becomes NC11AS.

Chain preinsulated blade and pin terminals



General features

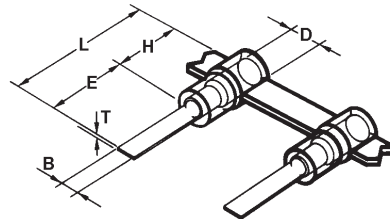
- Tin-plated copper terminals.
- PVC insulating sleeve with easy entry.
- Flammability rating: UL 94V0.

Compliant with **UL-CSA**



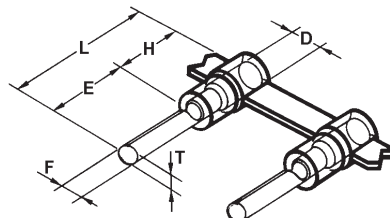
Tooling : see pages 53-54

Chain preinsulated blade terminals



Conductor size (mm ²)	Item code	Part number	Dimensions (mm)						Quantity per reel	Applicators for NCA100T crimping machine
			B	E	L	H	D	T		
0.34 - 1.5	7 291 601	B-PFA-2,8	2.8	9.1	19.1	10	4.1	0.7	1 500	*NC-11 A
	7 291 603	B-PFA-3,4	3.4	10.3	20.3	10	4.1	0.7		
	7 291 590	B-PFA-2,2 C	2.2	10.5	20.5	10	4.1	0.7		
	7 291 605	B-PFA-3 C	3	11.2	21.2	10	4.1	0.7		
	7 291 602	B-PFA-3	3	14.6	24.6	10	4.1	0.7		
1.0 - 2.5	7 291 607	B-PFA-2,2	2.2	18.5	28.5	10	4.1	0.7	1 500	NC-12 A
	7 291 611	B-PFB-2,8	1.9	9.1	19.1	10	4.5	0.8		
	7 291 610	B-PFB-2,2	1.9	18.5	28.5	10	4.5	0.8		
2.6 - 6	7 291 619	B-PFC-2,8	2.8	10	24	14	6.8	0.9	1 000	** NC-13 A
	7 291 620	B-PFC-4,5 C	4.5	13	27	14	6.8	0.9		
	7 291 621	B-PFC-4,5	4.5	18	32	14	6.8	0.9		

Chain preinsulated pin terminals



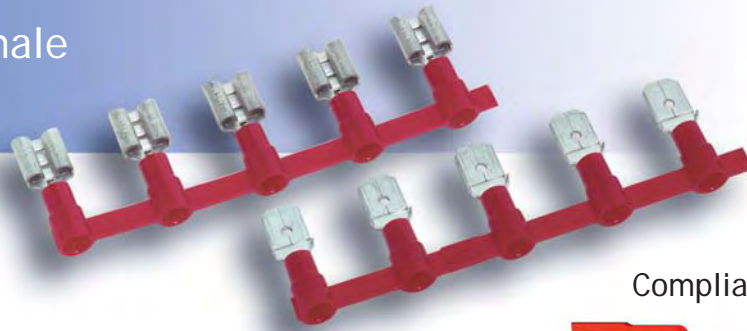
Conductor size (mm ²)	Item code	Part number	Dimensions (mm)						Quantity per reel	Applicators for NCA100T crimping machine
			F	E	L	H	D	T		
0.34 - 1.5	7 291 661	B-PRA-1,9	1.9	11.2	21.2	10	4.1	0.7	1 500	*NC-11 A
1.0 - 2.5	7 291 681	B-PRB-1,9	1.9	11.7	21.7	10	4.5	0.7	1 500	NC-12 A
2.6 - 6	7 291 682	B-PRC-2,7	2.7	12.5	26.5	14	6.8	0.9	1 000	** NC-13 A

* NC11A2 applicator is to be used for conductors from 0.3 to 0.5 mm².

** NC13A2 is to be used for conductors from 2.6 to 3.5 mm² and NC13A for conductors from 3.5 to 6.6 mm².

Note: for an applicator equipped with a microswitch, add the letter "S" to the part number. Eg. NC11A becomes NC11AS.

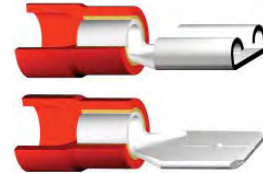
Chain preinsulated female and male disconnects



General features

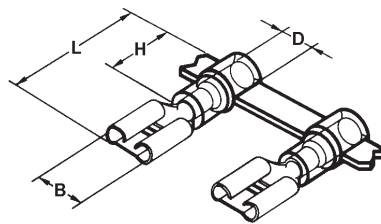
- Tin-plated brass disconnects.
- PVC insulating sleeve with easy entry.
- Copper sleeve.
- Grooves in the barrel provide a better tensile strength.
- Flammability rating: UL 94V0.

Compliant with **UL-CSA**



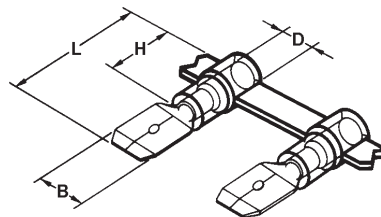
Tooling : see pages 53-54

Chain preinsulated female disconnects



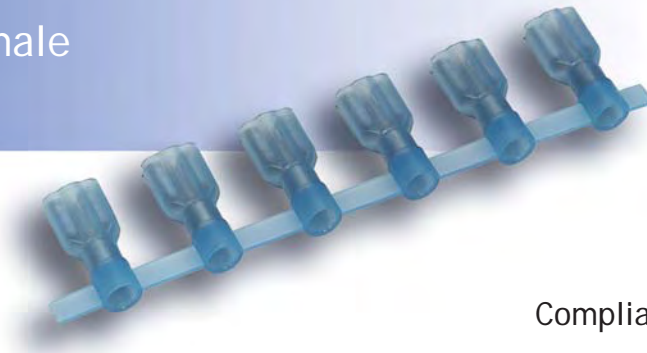
Conductor size (mm ²)	Item code	Part number	Dimensions (mm)					Quantity per reel	Applicators for NCA100T crimping machine
			Disconnects	B	L	D	H		
0.34 - 1.5	7 291 701	B-QA-2,8-5	2.8 x 0.5	3.2	19.5	4.1	10	1 500	NC-11 A
	7 291 711	B-QA-2,8-8	2.8 x 0.8	3.2	19.5	4.1	10		
	7 291 712	B-QA-4,8-5	4.8 x 0.5	5	19.5	4.1	10		
	7 291 881	B-QA-4,8-8	4.8 x 0.8	5	19.5	4.1	10		
	7 291 781	B-QA-6,35	6.3 x 0.8	6.9	21	4.1	10		
1.0 - 2.5	7 291 875	B-QB-2,8-5	2.8 x 0.5	3.2	19.5	4.5	10	1 500	NC-12 A
	7 291 876	B-QB-2,8-8	2.8 x 0.8	3.2	19.5	4.5	10		
	7 291 877	B-QB-4,8-5	4.8 x 0.5	5	19.5	4.5	10		
	7 291 878	B-QB-4,8-8	4.8 x 0.8	5	19.5	4.5	10		
	7 291 791	B-QB-6,35	6.3 x 0.8	6.9	21	4.5	10		
2.6 - 6	7 291 801	B-QC-6,35	6.3 x 0.8	6.9	25	6.8	14	1 000	NC-13 A

Chain preinsulated male disconnects



Conductor size (mm ²)	Item code	Part number	Dimensions (mm)					Quantity per reel	Applicators for NCA100T crimping machine
			Disconnects	B	L	D	H		
0.34 - 1.5	7 291 811	B-QMA-6,35	6.3 x 0.8	6.35	21	4.1	10	1 500	NC-11 A
1.0 - 2.5	7 291 810	B-QMB-4,8	4.8 x 0.5	4.75	19.5	4.5	10	1 500	NC-12 A
	7 291 821	B-QMB-6,35	6.3 x 0.8	6.35	21	4.5	10		
2.6 - 6	7 291 823	B-QMC-6,35	6.3 x 0.8	6.35	25	6.8	14	1 000	NC-13 A

Chain fully preinsulated female disconnects



General features

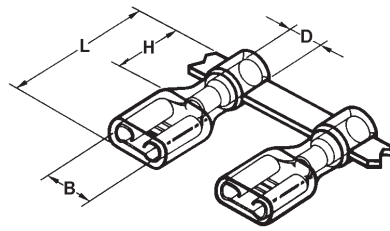
- Tin-plated brass disconnects.
- 6.6 Polyamide insulating sleeve with easy entry.
- Copper sleeve.
- Grooves in the barrel provide a better contact with the cable and a better tensile strength.
- Flammability rating: UL 94V2.

Compliant with **UL-CSA**



Tooling : see pages 53-54

Chain fully preinsulated female disconnects



Conductor size (mm ²)	Item code	Part number	Dimensions (mm)					Quantity per reel	Applicators for NCA100T crimping machine
			Disconnects	B	L	D	H		
0.34 - 1.5	7 291 870	B-QAP-4,8-5	4.8 x 0.5	5	19.5	4.1	9.8	1 500	NC-11 E
	7 291 872	B-QAP-4,8-8	4.8 x 0.8	5	19.5	4.1	9.8		
	7 291 871	B-QAP-6,35	6.3 x 0.8	6.9	21	4.1	9.8	1 000	NC-11 F
1.0 - 2.5	7 291 873	B-QBP-4,8-5	4.8 x 0.5	5	19.5	4.5	9.8	1 500	NC-12 E
	7 291 900	B-QBP-4,8-8	4.8 x 0.8	5	19.5	4.5	9.8		
	7 291 901	B-QBP-6,35	6.3 x 0.8	6.9	21	4.5	9.8	1 000	NC-12 F

Automatic crimping machine for chain preinsulated terminals

General features

- Capacity: from 0.3 to 6.6 mm².
- Force: 12 kN.
- Release: pedal or microswitch (depending on the products).
- Air supply: 3/8" thread.
- Air pressure:
 - 5 bars min.
 - 8 bars max.
- Consumption: 0.5 litre per crimping operation.
- Crimping time: 0.8 second.
- Voltage: 220 volts.
- Electric consumption: 20 watts.
- Weight: 40 kg.



Item code: 7 490 121

Part number: NCA 100 T

Note: see use details page 54.

Comparative output per hour

Tooling	Number of crimped parts per hour	
NCA100T crimping machine for chain terminals	2 000	
Usual pneumatic tooling	350	
Hand tool	120	

Automatic crimping machine for chain preinsulated terminals

Operation

Using chain preinsulated terminals and disconnects, the product to be crimped is automatically positioned under crimping dies. If the microswitch is fitted the crimping operation will only start once the conductor is sufficiently introduced into the terminal. Due to the automatic process, this can be carried out by an operator with minimal experience. When using flexible conductors, the machine holds the cable in place preventing it from turning during application.



Insert the conductor into the terminal or disconnect.



Operation by foot pedal or through the microswitch.



Next terminal or disconnect is automatically positioned under the dies.

Table of tooling

Products to be crimped	Colour of insulating sleeves	Conductor sizes (mm ²) or male disconnect dimensions (mm)	Applicators for NCA100T crimping machine	
			Item code	Part number
Ring and fork terminals Cable pins and blade terminals Pages: 48 to 50	Red	0.3 - 0.5 mm ²	7 490 700	NC-11 A2
	Blue	0.5 - 1.6 mm ²	7 490 701	NC-11 A
		1.0 - 2.6 mm ²	7 490 710	NC-12 A
	Yellow	2.6 - 3.5 mm ²	7 490 722	NC-13 A2
3.5 - 6.6 mm ²		7 490 721	NC-13 A	
Female and male disconnects Page: 51	Red	0.3 - 1.5 mm ²	7 490 701	NC-11 A
	Blue	1.0 - 2.6 mm ²	7 490 710	NC-12 A
	Yellow	2.6 - 6.6 mm ²	7 490 721	NC-13 A
Fully preinsulated female disconnects Page: 52	Red	4.8 x 0.5 mm	7 490 732	NC-11 E
		4.8 x 0.8 mm		
		6.3 x 0.8 mm	7 490 733	NC-11 F
	Blue	4.8 x 0.5 mm	7 490 711	NC-12 F
		4.8 x 0.8 mm		
		6.3 x 0.8 mm	7 490 711	NC-12 F

Microswitch

Ring and fork terminals, cable pins and blade terminals crimping can be triggered by a microswitch set on the applicator. In that case, please order an applicator with its part number followed by the letter "S".
Eg.: NC11A becomes NC11AS.

Non insulated end sleeves



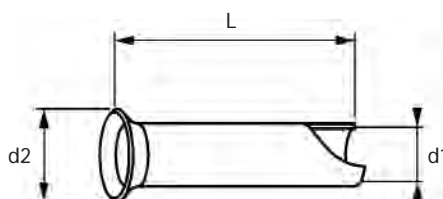
Compliant with **DIN 46228/1**

General features

- Material: tin-plated copper.
- Products in compliance with DIN 46228/1 standard.

Tooling : see pages 169-173

- : MTR PART NUMBERS IN BLUE
- : SBI PART NUMBERS IN ORANGE



Conductor size (mm ²)	Item code	Part number	Dimensions (mm)		
			d1	d2	L
0.25	7 177 001	AH-0.2-5 AE002550	0.8	1.7	5
	7 177 003	AH-0.2-7 AE002570	0.8	1.7	7
0.34	7 177 011	AH-0.3-5 AE003450	0.9	1.8	5
	7 177 013	AH-0.3-7 AE003470	0.9	1.8	7
0.5	7 177 021	AH-0.5-6 AE00560	1	2.1	6
	7 177 023	AH-0.5-8 AE00580	1	2.1	8
	7 177 025	AH-0.5-10 AE005100	1	2.1	10
			AE005120	1	2.1
0.75	7 177 031	AH-0.7-6 AE00756	1.2	2.3	6
	7 177 033	AH-0.7-8	1.2	2.3	8
	7 177 035	AH-0.7-10 AE0075100	1.2	2.3	10
	7 177 037	AH-0.7-12 AE0075120	1.2	2.3	12
1	7 177 051	AH-1-6 AE0160	1.4	2.5	6
	7 177 053	AH-1-8 AE0180	1.4	2.5	8
	7 177 055	AH-1-10 AE01100	1.4	2.5	10
	7 177 057	AH-1-12 AE01120	1.4	2.5	12
1.5	7 177 071	AH-1.5-7 AE01570	1.7	2.8	7
		AE01580	1.7	2.8	8
	7 177 073	AH-1.5-10 AE015100	1.7	2.8	10
	7 177 075	AH-1.5-12 AE015120	1.7	2.8	12
1.5	7 177 077	AH-1.5-15	1.7	2.8	15
	7 177 079	AH-1.5-18 AE15180	1.7	2.8	18
2.5	7 177 091	AH-2.5-7 AE02570	2.2	3.4	7
		AE02580	2.2	3.4	8
	7 177 093	AH-2.5-10 AE025100	2.2	3.4	10
	7 177 095	AH-2.5-12 AE025120	2.2	3.4	12
	7 177 097	AH-2.5-15	2.2	3.4	15
	7 177 099	AH-2.5-18 AE025180	2.2	3.4	18
4	7 177 101	AH-2.5-20	2.2	3.4	20
	7 177 111	AH-4-9 AE0490	2.8	4	9
	7 177 110	AH-4-10	2.8	4	10
	7 177 113	AH-4-12	2.8	4	12
	7 177 115	AH-4-15 AE04150	2.8	4	15
	7 177 117	AH-4-18 AE04180	2.8	4	18
	7 177 119	AH-4-20	2.8	4	20
6	7 177 131	AH-6-10 AE06100	3.5	4.7	10
	7 177 133	AH-6-12 AE06120	3.5	4.7	12
	7 177 135	AH-6-15 AE06150	3.5	4.7	15
	7 177 137	AH-6-18 AE06180	3.5	4.7	18
		AE06180	3.5	4.7	18
		AH-6-20	3.5	4.7	20
10	7 177 151	AH-10-12 AE10120	4.5	5.8	12
	7 177 153	AH-10-15 AE10150	4.5	5.8	15

Non insulated end sleeves



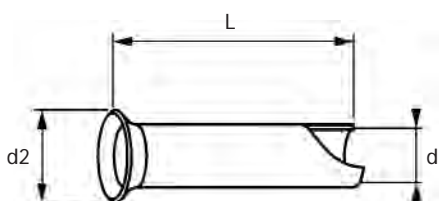
Compliant with **DIN 46228/1**

General features

- Material: tin-plated copper.
- Products in compliance with DIN 46228/1 standard.

Tooling : see pages 169-173

- : MTR PART NUMBERS IN BLUE
- : SBI PART NUMBERS IN ORANGE



Conductor size (mm ²)	Item code	Part number	Dimensions (mm)		
			d1	d2	L
10	7 177 155	AH-10-18	4.5	5.8	18
		AE10180			
	7 177 157	AH-10-20	4.5	5.8	20
16	7 177 171	AH-16-12	5.8	7.5	12
		AE16120			
	7 177 173	AH-16-15	5.8	7.5	15
		AE16150			
	7 177 175	AH-16-18	5.8	7.5	18
		AE16180			
	7 177 177	AH-16-20	5.8	7.5	20
	7 177 179	AH-16-25	5.8	7.5	25
AE16250					
25	7 177 181	AH-16-32	5.8	7.5	32
		AE16320			
	7 177 191	AH-25-12	7.3	9.5	12
		AE25120			
	7 177 193	AH-25-15	7.3	9.5	15
		AE25150			
	7 177 195	AH-25-18	7.3	9.5	18
		AE25180			
		AE25200	7.3	9.5	20
	7 177 197	AH-25-25	7.3	9.5	25
AE25250					
7 177 199	AH-25-32	7.3	9.5	32	
	AE25320				
35		AE35150	8.3	11	15
	7 177 211	AH-35-18	8.3	11	18
		AE35180			
		AE35200	8.3	11	20
	7 177 213	AH-35-25	8.3	11	25
		AE35250			
		AE35300	8.3	11	30
	7 177 215	AH-35-32	8.3	11	32
AE35320					

Conductor size (mm ²)	Item code	Part number	Dimensions (mm)		
			d1	d2	L
50	7 177 231	AH-50-18	10.3	13	18
		AE50180			
	7 177 233	AH-50-22	10.3	13	22
		AE50220			
	7 177 235	AH-50-25	10.3	13	25
AE50250					
70	7 177 237	AH-50-32	10.3	13	32
		AE50320			
		AE70220	12.5	15	22
		AE70250	12.5	15	25
95		AE70320	12.5	15	32
		AE95250	14.5	17	25
		AE95300	14.5	17	30
120		AE95320	14.5	17	32
		AE120320	16.5	19	32
		AE120340	16.5	19	34
150		AE120400	16.5	19	40
		AE150320	18.5	21	32
		AE150340	18.5	21	34
185		AE150400	18.5	21	40
		AE185320	20.0	23	32
	AE185400	20.0	23	40	

Preinsulated end sleeves

General features

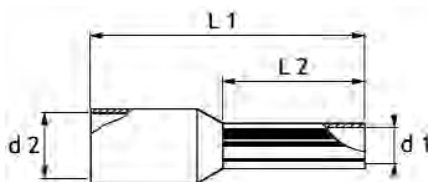
- Material: tin-plated copper.
- Polypropylene insulating sleeve.
- Max. operating temperature: 105 °C.

Compliant with **DIN 46228/4** and **NFC 63023**

CE/CA series

Tooling : see pages 169-173

- : MTR PART NUMBERS IN BLUE
- : SBI PART NUMBERS IN ORANGE



Conductor size (mm ²)	NFC 63023			DIN 46228/4			DIN 46228/4 except colors			Dimensions (mm)			
	item code	Part number	Colour	item code	Part number	Colour	item code	Part number	Colour	d1	d2	L1	L2
0.14		AJ001460T								0.7	1.1	10.4	6
		AJ001480T								0.7	1.1	12.4	8
0.25		AJ002560T		7 170 031	CE 002 D			AJ002560		0.8	1.8	10.4	6
		AJ002580T						AJ002580		0.8	1.8	12.4	6
0.34		AJ003460T						AJ003460		0.9	2	10.4	6
	7 170 041	CE 003		7 170 042	CE 003 D		7 170 043	CE 003 W		0.9	2	10.4	8
		AJ003480T					AJ003480						
		AJ00560T			AJ00560D			AJ00560					
0.5	7 170 051	CE 005		7 170 051	CE 005		7 170 052	CE 005 W		1	2.6	12	6
		AJ00580T			AJ00580D			AJ00580					
		AJ005100T			AJ005100D			AJ005100				16	10
		AJ007560T			AJ007560D			AJ007560				1.2	2.6
0.75	7 170 071	CE 007		7 170 072	CE 007 D		7 170 073	CE 007 W		1.2	2.8	14	8
		AJ007580T			AJ007580D			AJ007580					
		AJ0075100T			AJ0075100D			AJ0075100				1.2	3
	7 170 081	CE 0072		7 170 082	CE 0072 D		7 170 083	CE 0072 W		1.2	2.8	18	12
		AJ0075120T			AJ007520D			AJ0075120					
1	7 170 101	AJ0160T			AJ0160D			AJ0160		1.4	3	12	6
		CE 010		7 170 101	CE 010		7 170 102	CE 010 W					
		AJ0180T			AJ0180D			AJ0180					
	7 170 261	AJ01100T			AJ01100D			AJ01100		1.4	3	16	10
		CE 0103		7 170 261	CE 0103		7 170 103	CE 0103 W		1.4	3	18	12
	AJ01120T			AJ01120D			AJ01120						
1.5	7 170 151	CE 015		7 170 151	CE 015		7 170 154	CE 015 W		1.7	3.5	14	8
		AJ01580T			AJ01580D			AJ01580					
		AJ015100T			AJ015100D			AJ015100		1.7	3.5	16	10
	7 170 152	CE 0152		7 170 152	CE 0152		7 170 155	CE 0152 W		1.7	3.5	18	12
		AJ015120T			AJ015120D			AJ015120					
	7 170 153	CE 0153		7 170 153	CE 0153		7 170 156	CE 0153 W		1.7	3.5	24	18
		AJ015180T			AJ015180D			AJ015180					

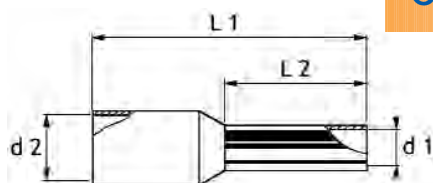
Preinsulated end sleeves

General features

- Material: tin-plated copper.
- Polypropylene insulating sleeve.
- Max. operating temperature: 105 °C.

Compliant with **DIN 46228/4** and **NFC 63023**

CE/CA series



- : MTR PART NUMBERS IN BLUE
- : SBI PART NUMBERS IN ORANGE

Tooling : see pages 169-173

Conductor size (mm ²)	NFC 63023			DIN 46228/4			DIN 46228/4 except colors			Dimensions (mm)			
	item code	Part number	Colour	item code	Part number	Colour	item code	Part number	Colour	d1	d2	L1	L2
2.5	7 170 251	CE 025	■	7 170 256	CE 025 D	■	7 170 256	CE 025 D	■	2.2	4.2	14	8
		AJ02580T	■		AJ02580D	■		AJ02580D	■				
	7 170 252	CE 0252	■	7 170 271	CE 0252 D	■	7 170 271	CE 0252 D	■	2.2	4.2	18	12
AJ025120T		■	AJ025120D		■	AJ025120D		■					
7 170 253	CE 0253	■	7 170 272	CE 0253 D	■	7 170 272	CE 0253 D	■	2.2	4.2	24	18	
	AJ025180T	■		AJ025180D	■		AJ025180D	■					
4	7 170 051	CA 042	■	7 170 422	CA 042 D	■	7 170 422	CA 042 D	■	2.8	4.8	17	10
		AJ4100T	■		AJ04100D	■		AJ04100D	■				
	7 170 401	CA 040	■	7 170 423	CA 040 D	■	7 170 423	CA 040 D	■	2.8	4.8	20	12
		AJ04120T	■		AJ04120D	■		AJ04120D	■				
7 170 431	CA 043	■	7 170 424	CA 043 D	■	7 170 424	CA 043 D	■	2.8	4.8	24	18	
	AJ04180T	■		AJ04180D	■		AJ04180D	■					
6	7 170 621	CA 062	■	7 170 622	CA 062 D	■	7 170 623	CA 062 W	■	3.5	6.3	20	12
		AJ06120T	■		AJ06120D	■		AJ06120D	■				
	7 170 631	CA 063	■	7 170 632	CA 063 D	■	7 170 633	CA 063 W	■	3.5	6.3	26	18
AJ06180T		■	AJ06180D		■	AJ06180D		■					
10	7 171 021	CA 102	■	7 171 022	CA 102 D	■	7 171 620	CA 102 W	■	4.5	7.6	22	12
		AJ10120T	■		AJ10120D	■		AJ10120D	■				
	7 171 031	CA 103	■	7 171 032	CA 103 D	■	7 171 033	CA 103 W	■	4.5	7.6	28	18
AJ10180T		■	AJ10180D		■	AJ10180D		■					
16	7 171 621	CA 162	■	7 171 622	CA 162 D	■	7 171 630	CA 162 W	■	5.8	8.8	24	12
		AJ16120T	■		AJ16120D	■		AJ16120D	■				
	7 171 631	CA 163	■	7 171 632	CA 163 D	■	7 171 633	CA 163 W	■	5.8	8.8	28	18
AJ16180T		■	AJ16180D		■	AJ16180D		■					
25	7 172 531	CA 253	■	7 172 533	CA 253 D	■	7 172 532	CA 253 W	■	7.3	11.2	30	16
		AJ25160T	■		AJ25160D	■		AJ25160D	■				
		AJ25180T	■		AJ25180D	■		AJ25180D	■				
	7 172 501	CA 252	■	7 172 502	CA 252 D	■	7 172 503	CA 252 W	■	7.3	11.2	36	22
AJ25220T		■	AJ25220D		■	AJ25220D		■					
35	7 172 541	CA 352	■	7 172 541	CA 252	■	7 172 542	CA 252 W	■	8.3	12.7	30	16
		AJ35160T	■		AJ35160D	■		AJ35160D	■				
	7 172 551	CA 350	■	7 172 551	CA 350	■	7 172 552	CA 350 W	■	8.3	12.7	32	18
		AJ35180T	■		AJ35180D	■		AJ35180D	■				
	AJ35250T	■		AJ35250D	■		AJ35250D	■	8.3	12.7	39	25	
50	7 172 561	AJ50160T	■	7 172 561	AJ50160D	■	7 172 562	AJ50160D	■	10.3	15	36	16
		CA 502	■		CA 502	■		CA 502 W	■				
	AJ50250T	■	AJ50250D	■	AJ50250D	■	10.3	15	40	25			
70		AJ70210T	■						13.5	16	37	21	
95		AJ95250T	■						14.7	18	44	25	
120		AJ120270T	■						16.7	20	48	27	
150		AJ150320T	■						19	23	58	32	

"Twin" preinsulated end sleeves

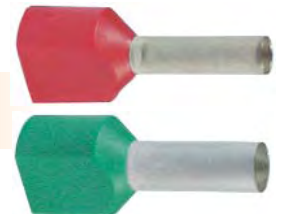


Colours according to **DIN 46228/4** and **NFC 63023**

General features

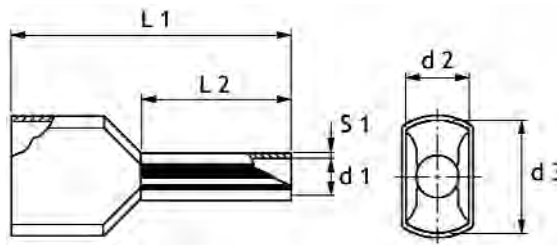
- Two conductors of same size in only one end sleeve.
- Material: tin-plated copper and insulating housing.
- Polypropylene insulating sleeve.
- Max. operating temperature: 105°C.

TE series



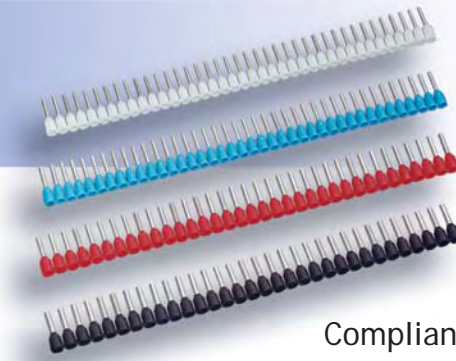
Tooling : see pages 169-173

- : MTR PART NUMBERS IN BLUE
- : SBI PART NUMBERS IN ORANGE



Conductor size (mm ²)	NFC 63023			DIN 46228/4			Dimensions (mm)						Tool size required
	item code	Part number	Colour	item code	Part number	Colour	L1	L2	d1	S1	d2	d3	
2 x 0.5	7173 491	TE 0508 AJ00580TT		7173 491	TE 0508 AJ00580DD		15	8	1.5	0.15	2.5	4.7	0.50 - 0.75
2 x 0.75	7173 501	TE 7508 AJ007580TT		7173 621	TE 0508D AJ007580DD		15	8	1.8	0.15	2.8	5	1 - 1.5
	7173 511	TE 0510 AJ0075100TT		7173 631	TE 7508D AJ0075100DD		17	10	1.8	0.15	2.8	4.7	1 - 1.5
2 x 1.0	7173 521	TE 1008 AJ0180TT		7173 521	TE 1008 AJ0180DD		15	8	2	0.15	3.4	5.4	1 - 1.5
	7173 511	TE 1010 AJ01100TT		7173 631	TE 1010 AJ01100DD		17	10	2	0.15	3.4	5.4	1 - 1.5
2 x 1.5	7173 541	TE 1508 AJ01580TT		7173 541	TE 1008 AJ01580DD		16	8	2.3	0.15	3.6	6.6	2.5
	7173 551	TE 1512 AJ015120TT		7173 651	TE 1512 AJ015120DD		20	12	2.3	0.15	3.6	6.6	2.5
2 x 2.5	7173 561	TE 2510 AJ025100TT		7173 562	TE 2510D AJ025100DD		18.5	10	2.9	0.2	4.2	7.8	6
	7173 571	TE 1512 AJ025130TT		7173 651	TE 2513D AJ025130DD		21.5	13	2.9	0.2	4.2	7.8	6
2 x 4	7173 581	TE 4012 AJ04120TT		7173 661	TE 4012D AJ04120DD		23	12	3.8	0.2	4.9	8.8	6
2 x 6	7173 591	TE 6014 AJ06140TT		7173 592	TE 6014D AJ06140DD		26	14	4.9	0.2	5.9	10	10
2 x 10	7173 601	TE 10014 AJ10140TT		7173 681	TE 10014D AJ10140DD		26	14	6.5	0.2	7.2	13	25
2 x 16	7173 611	TE 16014 AJ16140TT		7173 691	TE 16014D AJ16140DD		30	14	8.3	0.2	9.6	18.4	35

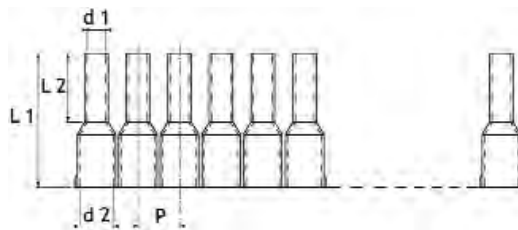
Preinsulated end sleeve strips

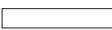



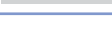


Compliant with **NF C 63023**

General features

- Material: tin-plated copper.
- Polypropylene insulating sleeve.
- Max. operating temperature: 105°C.



Conductor size (mm ²)	Item code	Part number	Colour	Packing	Dimensions (mm)				
					L1	L2	d1	d2	P
0.5	7 173 701	LCE 005		500 (10 x 50)	14	8	1	2.8	3.6
0.75	7 173 711	LCE 007		500 (10 x 50)	14	8	1.2	2.8	3.6
1	7 173 721	LCE 010		500 (10 x 50)	14	8	1.4	3.3	4.2
1.5	7 173 731	LCE 015		500 (10 x 50)	14	8	1.7	3.3	4.2
2.5	7 173 741	LCE 025		400 (10 x 40)	14	8	2.2	4.2	5

Tooling

General features

Suitable to cut/strip cable and crimp end sleeves from 0.5 to 2.5 mm².

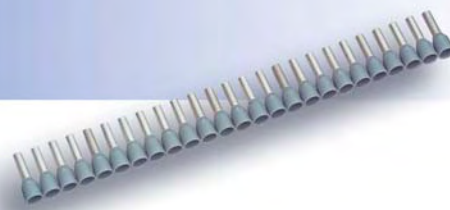
- Only one tool for 3 functions in order to save time.
- Cut and strip cable independently of crimping end sleeves.
- Crimps chain end sleeves.
- Crimps end sleeves in compliance with EN 50 027 and DIN 46 228 standards.
- Automatically advances the next end sleeve for crimping.
- Fast adjustment of crimping cylinder marked with selected conductor size.
- The three operations are done without releasing tool or cable.
- Stripping is done automatically without adjustment.
- Length: 210 mm.
- Weight: 260 g.



Item code: 7 500 074

Part number: PZL 025

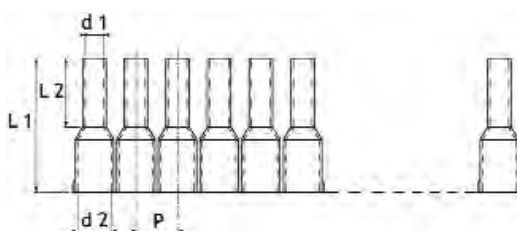
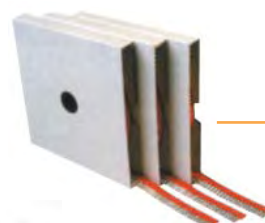
Preinsulated end sleeve tapes

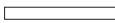






General features

- Material: tin-plated copper.
- Polypropylene insulating sleeve.
- Max. operating temperature: 105 °C.

Compliant with **NF C 63023**



Conductor size (mm ²)	Item code	Part number	Colour	Packing	Dimensions (mm)				
					L1	L2	d1	d2	P
0.5	7 175 301	BCE 005		1 000	14.5	8	1.1	2.6	3.5
0.75	7 175 311	BCE 007		1 000	14.5	8	1.3	2.8	3.6
1	7 175 321	BCE 010		1 000	14.5	8	1.5	3	3.9
1.5	7 175 331	BCE 015		1 000	14.5	8	1.8	3.4	4.2
2.5	7 175 341	BCE 025		500	14.5	8	2.3	4.2	5

Tooling

General features

- Crimping of end sleeves in compliance with DIN 46228 and NFC 63023 standards.
- Supplied with 5 feed units, 5 crimping inserts and 5 replacement separators.
- Electrical supply: 220 V - 50 Hz.
- Crimp cycle: approx 1.5 s.
- Change of conductor size: approx 10 s.
- Counter: LED screen.
- Dimensions: 165 x 270 x 320 mm.
- Weight: 12 kg.



Item code: 7 490 101

Part number: MC 25

6.35 Receptacles and housings

General features

Receptacles:

- Material: brass.
- Thickness: 0.40 mm.

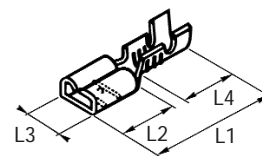
Housings:

- 6/6 polyamide -105 °C.

Tooling : see pages 164-168

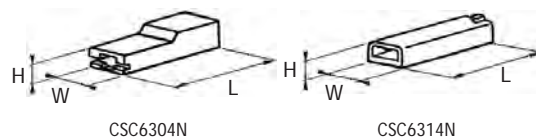
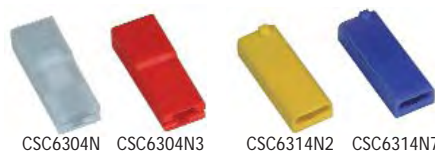


Receptacles for 6.35 tabs



Conductor size (mm ²)	Packing / 1000 pieces				Max. on insulation	L1	L2	L3	L4
	Brass (unplated)		Tin-plated brass						
	Item code	Part number	Item code	Part number					
0.5 to 1	7 191 144	00428V	7 191 142	00428DV	3	19	7.7	7.6	8.5
1 to 2.5	7 191 164	00429V	7 191 163	00429DV	4	19	7.7	7.6	8.5
2.5 to 6	7 191 183	00430V	7 191 182	00430DV	4.8	19	7.7	7.6	9

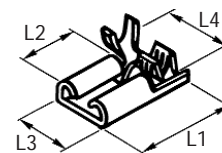
Front entry latched housings



Packing / 1000 pieces		Colour	W	L	H
Item code	Part number				
7 199 700	CSC6304N	Natural	9.5	25.5	5
7 199 720	CSC6314N	Natural	9	24	5

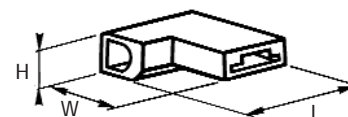
For coloured housings, please suffix the PN with:
2 for yellow, 3 for red, 4 for green, 5 for black, 6 for blue, 7 for purple, 8 for grey, 9 for white, 10 for brown.

6.35 Flag receptacles



Conductor size (mm ²)	Packing / 1000 pieces				Max. on insulation	L1	L2	L3	L4
	Brass (unplated)		Tin-plated brass						
	Item code	Part number	Item code	Part number					
0.5 to 1.5	7 191 009	00421-2V	7 191 007	00421-2DV	3	14.1	7	7.7	11

Housings for flag receptacles



Packing / 1000 pieces		Colour	W	L	H	Way
Item code	Part number					
7 199 730	CSC6313N	Natural	15.5	15	5.5	1

For coloured housings, please suffix the PN with:
2 for yellow, 3 for red, 4 for green, 5 for black, 6 for blue, 7 for purple, 8 for grey, 9 for white, 10 for brown.

6.35 Receptacles and housings

General features

Receptacles:

- Material: brass.
- Thickness: 0.40 mm.

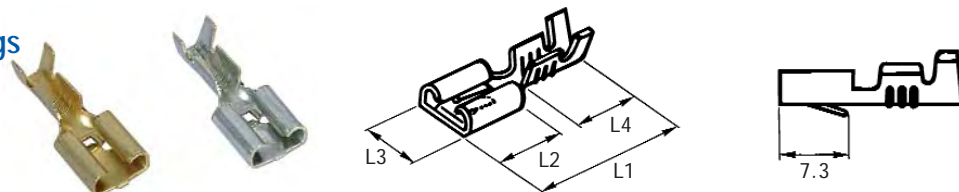
Housings:

- 6/6 polyamide -105 °C.

Tooling : see pages 164-168

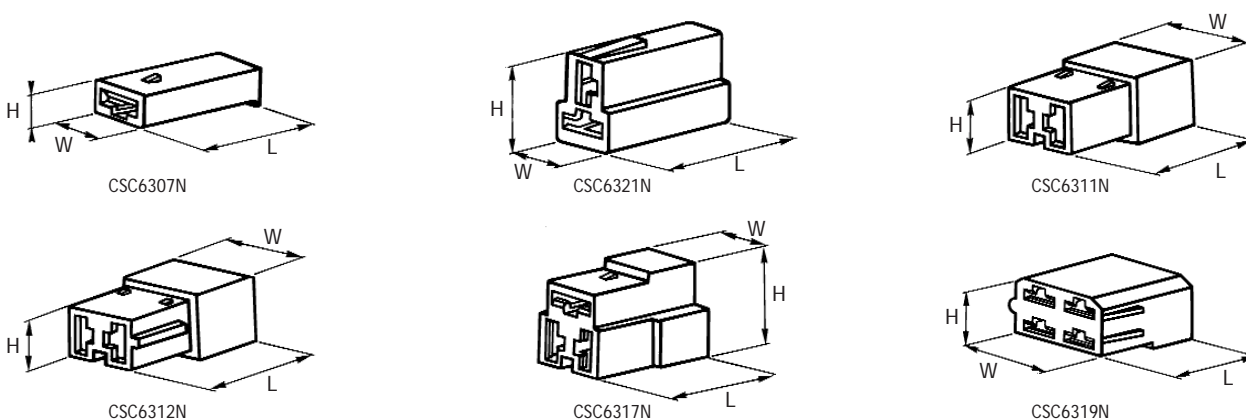
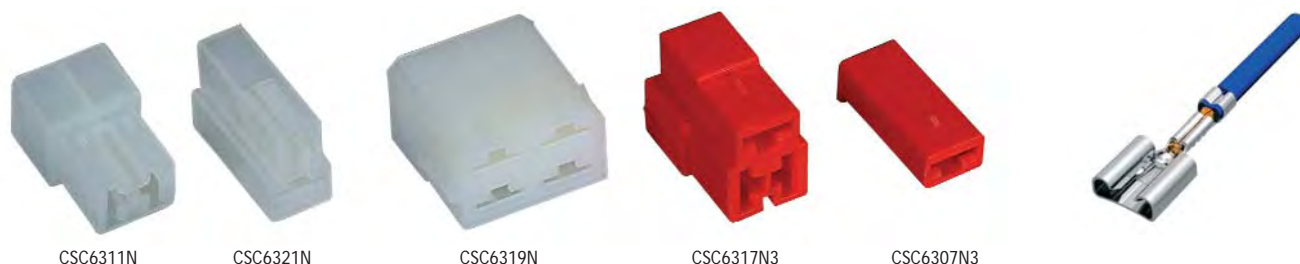


6.35 Receptacles for housings



Conductor size (mm ²)	Packing / 1000 pieces				Max. on insulation	L1	L2	L3	L4
	Brass (unplated)		Tin-plated brass						
	Item code	Part number	Item code	Part number					
0.5 to 1	7 191 082	00425V	7 191 084	00425DV	3.5	19	7.7	7.6	8.5
1 to 2.5	7 191 103	00426V	7 191 102	00426DV	4	19	7.7	7.6	8.5
2.5 to 6	7 191 123	00427V	7 191 124	00427DV	5	19	7.7	7.6	8.5

Housings for 6.35 receptacles



Item code	Part number	Packing	Colour	W	L	H	Quantity of ways	Tab housings*
7 199 750	CSC6307N	1 000	Naturel	9.8	23	6.3	1	CSC6306N
7 199 800	CSC6312N	1 000	Naturel	15.2	31.6	10.2	2	CSC6310N
7 199 790	CSC6311N	1 000	Naturel	15.2	23	10.2	2	CSC6308N
7 199 830	CSC6321N	500	Naturel	10	23	16.6	2	CSC6320N
7 199 850	CSC6317N	500	Naturel	9.8	22.8	18.4	3	CSC6316N
7 199 870	CSC6319N	500	Naturel	22.9	23.9	14.5	4	CSC6318N

For coloured housings, please suffix the PN with:

2 for yellow, 3 for red, 4 for green, 5 for black, 6 for blue, 7 for purple, 8 for grey, 9 for white, 10 for brown.

* see page 61.

6.35 Tabs and housings

General features

Tabs:

- Material: brass.
- Thickness: 0.40 mm.

Housings:

- 6/6 polyamide -105 °C.

Tooling : see pages 164-168



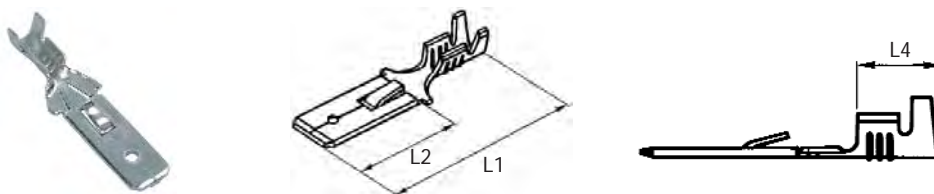
6.35 x 0.8 Tabs

(Note: cannot be set up on housings)



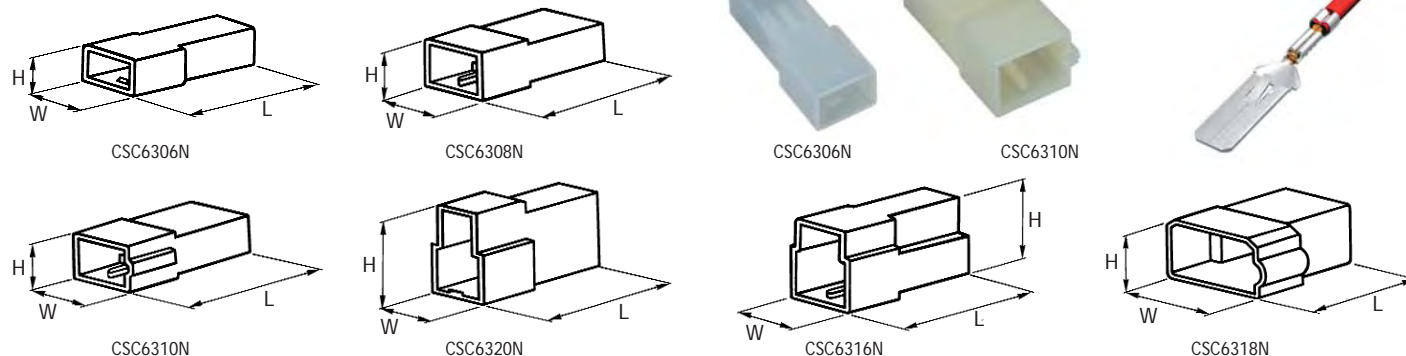
Conductor size (mm ²)	Packing / 1000 pieces				Max. on insulation	L1	L2	L4
	Brass (unplated)		Tin-plated brass					
	Item code	Part number	Item code	Part number				
0.5 to 1.5	7 191 445	00451V	7 191 443	00451DV	3.4	19.2	8	8.6

6.35 x 0.8 Tabs for housings



Conductor size (mm ²)	Packing / 1000 pieces				Max. on insulation	L1	L2	L4
	Brass (unplated)		Tin-plated brass					
	Item code	Part number	Item code	Part number				
0.5 to 1	7 191 483	00453V	7 191 484	00453DV	3	28	15.8	7.6
1 to 2.5	7 191 683	00467V	7 191 681	00467DV	3.6	28	15.8	7.6

Housings for 6.35 tabs



Packing / 500 pieces		Colour	W	L	H	Quantity of ways	Receptacle housings*
Item code	Part number						
7 199 740	CSC6306N	Natural	12.4	31.6	9.3	1	CSC6307N
7 199 770	CSC6308N	Natural	15.2	31.6	13.1	2	CSC6311N
7 199 780	CSC6310N	Natural	15.2	31.6	13.1	2	CSC6312N
7 199 820	CSC6320N	Natural	12.7	30.5	20	2	CSC6321N
7 199 840	CSC6316N	Natural	15.2	31.7	20	3	CSC6317N
7 199 860	CSC6318N	Natural	27.9	32.5	17.1	4	CSC6319N

For coloured housings, please suffix the PN with:

2 for yellow, 3 for red, 4 for green, 5 for black, 6 for blue, 7 for purple, 8 for grey, 9 for white, 10 for brown.

* see page 60.

6.3 x 0.8 mm tabs

General features

6.3 x 0.8 mm Tabs in unplated or tin-plated brass.

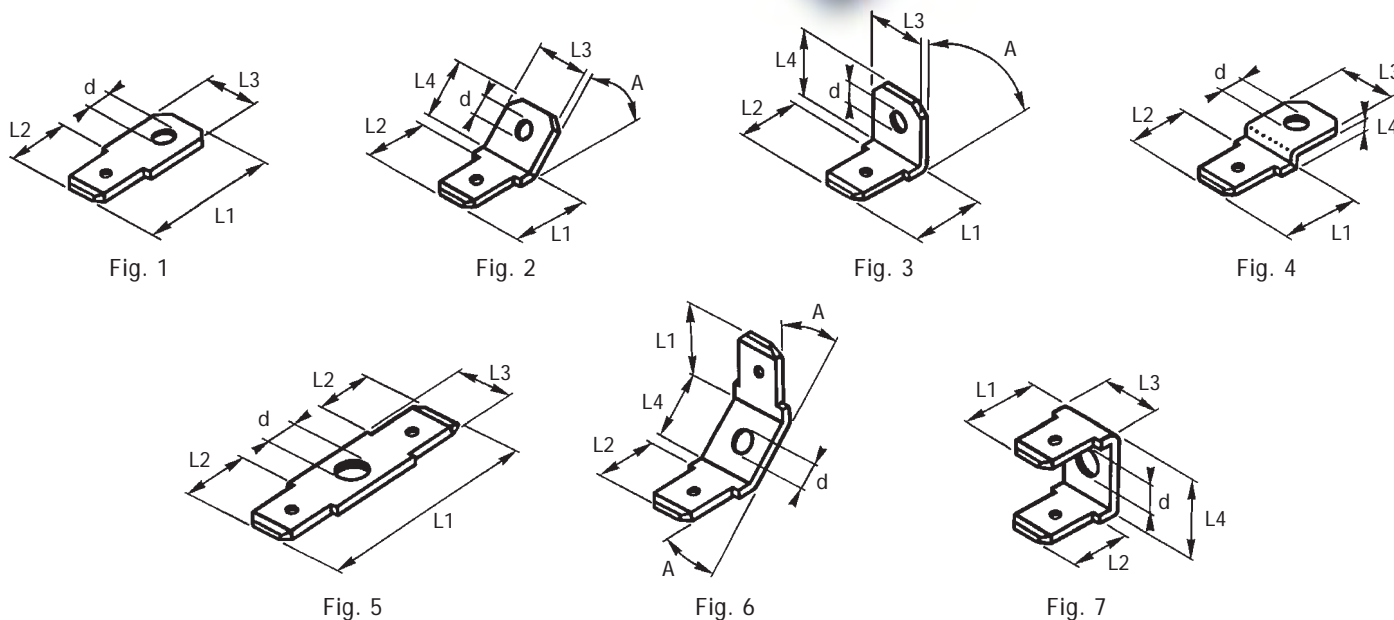


Figure	Packing / 1000 pieces				d (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	A (mm)
	Brass (unplated)		Tin-plated brass							
	Item code	Part number	Item code	Part number						
1	7 196 041	01100V	7 196 040	01100DV	3.2	19	8	8		
	7 196 062	01101V	7 196 060	01101DV	3.7	19	8	8		
	7 196 081	01102V	7 196 080	01102DV	4.2	19	8	8		
	7 196 101	01103V	7 196 100	01103DV	5.2	19	8	8		
2	7 196 241	01110V	7 196 240	01110DV	3.2	10	8	8	9	45°
	7 196 261	01111V	7 196 260	01111DV	3.7	10	8	8	9	45°
	7 196 281	01112V	7 196 280	01112DV	4.2	10	8	8	9	45°
	7 196 301	01113V	7 196 300	01113DV	5.2	10	8	8	9	45°
3	7 196 441	01120V	7 196 440	01120DV	3.2	10	8	8	9	90°
	7 196 461	01121V	7 196 460	01121DV	3.7	10	8	8	9	90°
	7 196 481	01122V	7 196 480	01122DV	4.2	10	8	8	9	90°
	7 196 501	01123V	7 196 500	01123DV	5.2	10	8	8	9	90°
4	7 196 641	01130V	7 196 640	01130DV	3.2	9	8	8	1.7	
	7 196 661	01131V	7 196 660	01131DV	3.7	9	8	8	1.7	
	7 196 681	01132V	7 196 680	01132DV	4.2	9	8	8	1.7	
	7 196 701	01133V	7 196 700	01133DV	5.2	9	8	8	1.7	
5	7 197 601	01200V	7 197 600	01200DV	3.2	30	8	8		
	7 197 621	01201V	7 197 620	01201DV	3.7	30	8	8		
	7 197 641	01202V	7 197 640	01202DV	4.2	30	8	8		
	7 197 661	01203V	7 197 660	01203DV	5.2	30	8	8		
6	7 197 801	01210V	7 197 800	01210DV	3.2	10	8	8	10	45°
	7 197 821	01211V	7 197 820	01211DV	3.7	10	8	8	10	45°
	7 197 841	01212V	7 197 840	01212DV	4.2	10	8	8	10	45°
	7 197 861	01213V	7 197 860	01213DV	5.2	10	8	8	10	45°
7	7 198 001	01220V	7 198 000	01220DV	3.2	10	8	8	10	90°
	7 198 021	01221V	7 198 020	01221DV	3.7	10	8	8	10	90°
	7 198 041	01222V	7 198 040	01222DV	4.2	10	8	8	10	90°
	7 198 061	01223V	7 198 060	01223DV	5.2	10	8	8	10	90°

Copper tubular lugs from 4 to 70 mm² NFC 20-130



Compliant with **NF C 20-130**

General features

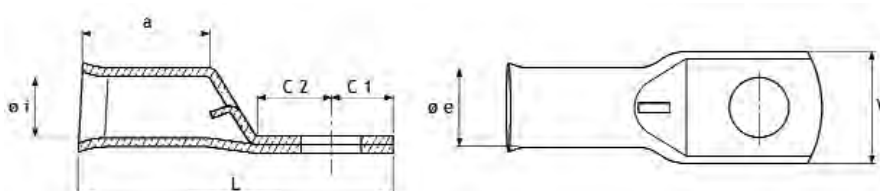
- Electrolytic tin-plating process.
- Other plating on request.
- Bell entry from 10 mm².
- Straight entry on request, remove "T" from part number.

Note: the conductor sizes of the flexible cables mentioned in this table are given for information only, but you should always check, considering the different compounds of these cables.

C and CT series



Tooling : see pages 177-208



Conductor size (mm ²)	Item code	Part number	Packing	Stud size	Dimensions (mm)							Type of dies
					W	Øi	Øe	C1	C2	a	L	
4	7 406 205	4-4 C	100	M 4	9	2.7	5	6.2	7.4	8.7	25.7	..HCU 4
	7 406 215	4-5 C	100	M 5	9	2.7	5	6.2	7.4	8.7	25.7	
	7 406 225	4-6 C	100	M 6	12	2.7	5	6.2	7.4	8.7	25.7	
	7 406 235	4-8 C	100	M 8	12	2.7	5	6.2	7.4	8.7	25.7	
6	7 406 255	6-4 C	100	M 4	10	3.3	5.5	6.2	7	10.7	27.7	..HCU 6
	7 406 265	6-5 C	100	M 5	13	3.3	5.5	8	9	10.7	31.5	
	7 406 275	6-6 C	100	M 6	13	3.3	5.5	8	9	10.7	31.5	
	7 406 285	6-8 C	100	M 8	13	3.3	5.5	8	9	10.7	31.5	
10	7 406 306	10-4 CT	100	M 4	11	4.3	6.8	6.2	6.6	13.7	32.2	..HCU 10
	7 406 316	10-5 CT	100	M 5	11	4.3	6.8	6.2	6.6	13.7	32.2	
	7 406 326	10-6 CT	100	M 6	11	4.3	6.8	6.2	6.6	13.7	32.2	
	7 406 336	10-8 CT	100	M 8	14	4.3	6.8	8.2	10.6	13.7	36.7	
16	7 406 346	10-10 CT	100	M 10	14	4.3	6.8	8.2	10.6	13.7	36.7	..HCU 16
	7 406 386	16-5 CT	100	M 5	12	5.3	8	6	7	14.7	34	
	7 406 396	16-6 CT	100	M 6	12	5.3	8	6	7	14.7	34	
	7 406 406	16-8 CT	100	M 8	16	5.3	8	8	11	14.7	39	
25	7 406 416	16-10 CT	100	M 10	16	5.3	8	8	11	14.7	39	..HCU 25
	7 406 426	16-12 CT	100	M 12	17	5.3	8	9.2	13.4	12.5	40.7	
	7 406 466	25-6 CT	50	M 6	13	6.6	9.5	7.5	9	14.6	37.6	
	7 406 476	25-8 CT	50	M 8	16	6.6	9.5	9.5	11	14.6	41.6	
35	7 406 486	25-10 CT	50	M 10	16	6.6	9.5	9.5	11	14.6	41.6	..HCU 35
	7 406 496	25-12 CT	50	M 12	17.5	6.6	9.5	9.5	11	14.6	41.6	
	7 406 536	35-6 CT	50	M 6	15	7.9	11	9.4	10.5	16.5	43.5	
	7 406 546	35-8 CT	50	M 8	17	7.9	11	9.4	10.5	16.5	43.5	
50	7 406 556	35-10 CT	50	M 10	17	7.9	11	9.4	10.5	16.5	43.5	..HCU 50
	7 406 566	35-12 CT	50	M 12	18.5	7.9	11	9.4	10.5	16.5	43.5	
	7 406 606	50-6 CT	50	M 6	18	9.2	12.5	7.5	8.9	18.5	43.5	
	7 406 616	50-8 CT	50	M 8	18	9.2	12.5	10.5	13.1	18.5	51	
70	7 406 626	50-10 CT	50	M 10	18	9.2	12.5	10.5	13.1	18.5	51	..HCU 70
	7 406 636	50-12 CT	50	M 12	19	9.2	12.5	10.5	13.1	18.5	51	
	7 406 676	70-8 CT	50	M 8	21	11	15	10.7	13.3	20	55.5	
	7 406 686	70-10 CT	50	M 10	21	11	15	10.7	13.3	20	55.5	
	7 406 696	70-12 CT	50	M 12	21	11	15	10.7	13.3	20	55.5	

Other holes on request.

Copper tubular lugs from 95 to 630 mm² NFC 20-130



Compliant with **NF C 20-130**

General features

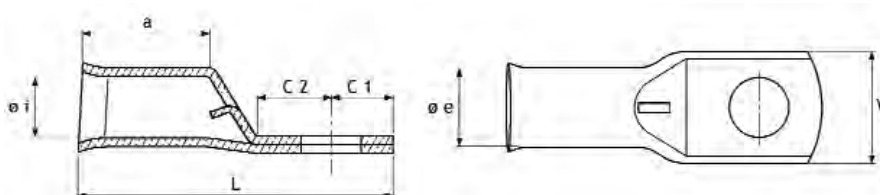
- Electrolytic tin-plating process.
- Other plating on request.
- Bell entry.
- Straight entry on request, remove "T" from part number.

Note: the conductor sizes of the flexible cables mentioned in this table are given for information only, you should always check, considering the different compounds of these cables.

C and CT series



Tooling : see pages 177-208



Conductor size (mm ²)		Item code	Part number	Packing	Stud size	Dimensions (mm)						Type of dies	
Rigid	Flexible					W	Øi	Øe	C1	C2	a		L
95	70	7 406 756	95-8 CT	25	M 8	24	13.1	17	13.7	15.3	27.5	67.5	..HCU 95
		7 406 766	95-10 CT	25	M 10	24	13.1	17	13.7	15.3	27.5	67.5	
		7 406 776	95-12 CT	25	M 12	24	13.1	17	13.7	15.3	27.5	67.5	
		7 406 786	95-14 CT	25	M 14	24	13.1	17	13.7	15.3	27.5	67.5	
120	95	7 406 796	95-16 CT	25	M 16	24	13.1	17	13.7	15.3	27.5	67.5	..HCU 120
		7 406 846	120-10 CT	25	M 10	28	14.5	19	13.6	16.4	31.8	75.5	
		7 406 856	120-12 CT	25	M 12	28	14.5	19	13.6	16.4	31.8	75.5	
		7 406 866	120-14 CT	25	M 14	28	14.5	19	13.6	16.4	31.8	75.5	
150	120	7 406 876	120-16 CT	25	M 16	28	14.5	19	13.6	16.4	31.8	75.5	..HCU 150
		7 406 946	150-12 CT	10	M 12	30	16.2	21	15	15	31.5	74.5	
		7 406 956	150-14 CT	10	M 14	30	16.2	21	17	17	31.5	78.5	
185	150	7 406 966	150-16 CT	10	M 16	30	16.2	21	17	17	31.5	78.5	..HCU 185
		7 407 016	185-12 CT	10	M 12	33	18	23	15	15	35.5	81.5	
		7 407 026	185-14 CT	10	M 14	33	18	23	17	17	35.5	85.5	
240	185	7 407 036	185-16 CT	10	M 16	33	18	23	17	17	35.5	85.5	..HCU 240
		7 407 096	240-12 CT	10	M 12	37	20.6	26	17	17	39.6	89.5	
		7 407 106	240-14 CT	10	M 14	37	20.6	26	19	19	39.6	93.5	
		7 407 116	240-16 CT	10	M 16	37	20.6	26	19	19	39.6	93.5	
300	240	7 407 126	240-20 CT	10	M 20	37	20.6	26	20	20	39.6	95.5	..HCU 300
		7 407 176	300-14 CT	10	M 14	41	23	28	19	19	41	95.5	
		7 407 186	300-16 CT	10	M 16	41	23	28	19	19	41	95.5	
		7 407 196	300-18 CT	10	M 18	41	23	28	20	20	41	97.5	
400	300	7 407 206	300-20 CT	10	M 20	41	23	28	20	20	41	97.5	..HCU 400
		7 407 246	400-16 CT	10	M 16	47	26	32	20	25	43	110.5	
		7 407 256	400-18 CT	10	M 18	47	26	32	20	25	43	110.5	
500	400	7 407 266	400-20 CT	10	M 20	47	26	32	20	25	43	110.5	..HCU 500
		7 407 306	500-16 CT	10	M 16	56	29.2	39.5	21	30	53	127	
		7 407 316	500-18 CT	10	M 18	56	29.2	39.5	21	30	53	127	
		7 407 326	500-20 CT	10	M 20	56	29.2	39.5	21	30	53	127	
630	500	7 407 336	500-22 CT	10	M 22	56	29.2	39.5	21	30	53	127	..HCU 630
		7 407 376	630-16 CT	10	M 16	61	33.5	42	27	34	60	149	
		7 407 396	630-18 CT	10	M 18	61	33.5	42	27	34	60	149	

Other holes on request.

Copper tubular lugs bent at 90°
from 4 to 70 mm²
NFC 20-130



Compliant with **NF C 20-130**

General features

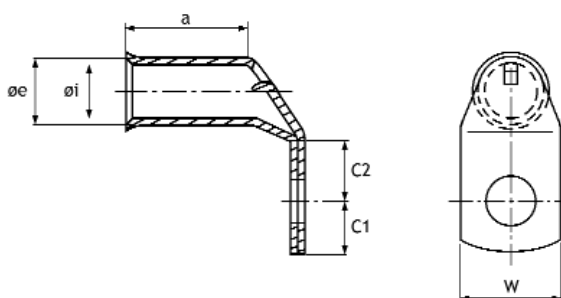
- Electrolytic tin-plating process.
- Other plating on request.
- Bell entry from 10 mm².
- Straight entry on request, remove "T" from part number.

Note: the conductor sizes of the flexible cables mentioned in this table are given for information only, you should always check, considering the different compounds of these cables.

C90E and CT90E series



Tooling : see pages 177-208



Conductor size (mm ²)		Item code	Part number	Packing	Stud size	Dimensions (mm)					Type of dies	
Rigid	Flexible					W	Øi	Øe	C1	C2		a
4		7 406 209	4-4 C 90 E	100	M 4	9	2.7	5	6.2	6.8	9	..HCU 4
		7 406 219	4-5 C 90 E	100	M 5	9	2.7	5	6.2	6.8	9	
		7 406 229	4-6 C 90 E	100	M 6	12	2.7	5	6.2	6.8	9	
		7 406 238	4-8 C 90 E	100	M 8	12	2.7	5	6.2	6.8	9	
6		7 406 258	6-4 C 90 E	50	M 4	10	3.3	5.5	6.2	6.5	11	..HCU 6
		7 406 268	6-5 C 90 E	50	M 5	13	3.3	5.5	8	8.5	11	
		7 406 278	6-6 C 90 E	50	M 6	13	3.3	5.5	8	8.5	11	
		7 406 288	6-8 C 90 E	50	M 8	13	3.3	5.5	8	8.5	11	
10		7 406 309	10-4 CT 90 E	50	M 4	11	4.3	6.8	6.2	6.5	13.7	..HCU 10
		7 406 319	10-5 CT 90 E	50	M 5	11	4.3	6.8	6.2	6.5	13.7	
		7 406 328	10-6 CT 90 E	50	M 6	11	4.3	6.8	6.2	6.5	13.7	
		7 406 339	10-8 CT 90 E	50	M 8	14	4.3	6.8	8.2	10.5	13.7	
16		7 406 349	10-10 CT 90 E	50	M 10	14	4.3	6.8	8.2	10.5	13.7	..HCU 16
		7 406 388	16-5 CT 90 E	50	M 5	12	5.3	8	6.2	6.8	14.7	
		7 406 398	16-6 CT 90 E	50	M 6	12	5.3	8	6.2	6.8	14.7	
		7 406 408	16-8 CT 90 E	50	M 8	16	5.3	8	8.2	9.8	14.7	
25		7 406 418	16-10 CT 90 E	50	M 10	16	5.3	8	8.2	9.8	14.7	..HCU 25
		7 406 428	16-12 CT 90 E	50	M 12	17	5.3	8	9.2	12.8	12.5	
		7 406 468	25-6 CT 90 E	50	M 6	13	6.6	9.5	7.5	8	14.6	
		7 406 478	25-8 CT 90 E	50	M 8	16	6.6	9.5	9.5	10	14.6	
35	25	7 406 488	25-10 CT 90 E	50	M 10	16	6.6	9.5	9.5	10	14.6	..HCU 35
		7 406 498	25-12 CT 90 E	50	M 12	17.5	6.6	9.5	9.5	10	14.6	
		7 406 539	35-6 CT 90 E	50	M 6	15	7.9	11	9.4	11.1	16.5	
		7 406 549	35-8 CT 90 E	50	M 8	17	7.9	11	9.4	11.1	16.5	
50	35	7 406 558	35-10 CT 90 E	50	M 10	17	7.9	11	9.4	11.1	16.5	..HCU 50
		7 406 570	35-12 CT 90 E	50	M 12	18.5	7.9	11	9.4	11.1	16.5	
		7 406 608	50-6 CT 90 E	50	M 6	18	9.2	12.5	7.5	10	18.5	
		7 406 618	50-8 CT 90 E	50	M 8	18	9.2	12.5	10.5	14	18.5	
70	50	7 406 629	50-10 CT 90 E	50	M 10	18	9.2	12.5	10.5	14	18.5	..HCU 70
		7 406 638	50-12 CT 90 E	50	M 12	19	9.2	12.5	10.5	14	18.5	
		7 406 678	70-8 CT 90 E	50	M 8	21	11	15	10.7	11.3	20.5	
		7 406 688	70-10 CT 90 E	50	M 10	21	11	15	10.7	11.3	20.5	
		7 406 698	70-12 CT 90 E	50	M 12	21	11	15	10.7	11.3	20.5	

Other holes on request.

Copper tubular lugs bent at 90°
from 95 to 630 mm²
NFC 20-130



Compliant with **NF C 20-130**

General features

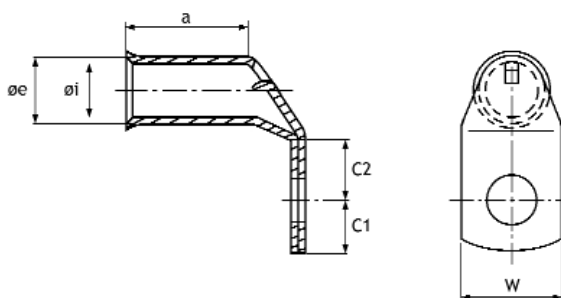
- Electrolytic tin-plating process.
- Other plating on request.
- Bell entry from 10 mm².
- Straight entry on request, remove "T" from part number.


Note: the conductor sizes of the flexible cables mentioned in this table are given for information only, you should always check, considering the different compounds of these cables.

C90E and CT90E series



Tooling : see pages 177-208



Conductor size (mm ²)		Item code	Part number	Packing	Stud size	Dimensions (mm)					Type of dies 	
Rigid	Flexible					W	Øi	Øe	C1	C2		a
95	70	7 406 754	95-8 CT 90 E	25	M 8	24	13.1	17	13.7	13.3	27.5	..HCU 95
		7 406 770	95-10 CT 90 E	25	M 10	24	13.1	17	13.7	13.3	27.5	
		7 406 778	95-12 CT 90 E	25	M 12	24	13.1	17	13.7	13.3	27.5	
		7 406 788	95-14 CT 90 E	25	M 14	24	13.1	17	13.7	13.3	27.5	
120	95	7 406 799	95-16 CT 90 E	25	M 16	24	13.1	17	13.7	13.3	27.5	..HCU120
		7 406 849	120-10 CT 90 E	25	M 10	28	14.5	19	13.6	15.4	31.8	
		7 406 858	120-12 CT 90 E	25	M 12	28	14.5	19	13.6	15.4	31.8	
		7 406 868	120-14 CT 90 E	25	M 14	28	14.5	19	13.6	15.4	31.8	
150	120	7 406 879	120-16 CT 90 E	25	M 16	28	14.5	19	13.6	15.4	31.8	..HCU 150
		7 406 949	150-12 CT 90 E	10	M 12	30	16.2	21	17	14	31.5	
		7 406 957	150-14 CT 90 E	10	M 14	30	16.2	21	17	14	31.5	
185	150	7 406 969	150-16 CT 90 E	10	M 16	30	16.2	21	17	14	31.5	..HCU 185
		7 407 018	185-12 CT 90 E	10	M 12	33	18	23	17	16	35.5	
		7 407 027	185-14 CT 90 E	10	M 14	33	18	23	17	16	35.5	
240	185	7 407 038	185-16 CT 90 E	10	M 16	33	18	23	17	16	35.5	..HCU 240
		7 407 098	240-12 CT 90 E	10	M 12	37	20.6	26	19	18	40	
		7 407 108	240-14 CT 90 E	10	M 14	37	20.6	26	19	18	40	
		7 407 118	240-16 CT 90 E	10	M 16	37	20.6	26	19	18	40	
300	240	7 407 145	240-20 CT 90 E	10	M 20	37	20.6	26	19	18	40	..HCU 300
		7 407 177	300-14 CT 90 E	10	M 14	41	23	28	19	18	41	
		7 407 188	300-16 CT 90 E	10	M 16	41	23	28	19	18	41	
		7 407 197	300-18 CT 90 E	10	M 18	41	23	28	19	18	41	
400	300	7 407 210	300-20 CT 90 E	10	M 20	41	23	28	19	18	41	..HCU 400
		7 407 249	400-16 CT 90 E	10	M 16	47	26	32	20	23	43	
		7 407 256	400-18 CT 90 E	10	M 18	47	26	32	20	23	43	
500	400	7 407 267	400-20 CT 90 E	10	M 20	47	26	32	20	23	43	..HCU 500
		7 407 308	500-16 CT 90 E	10	M 16	56	29.2	39.5	21	27	53	
		7 407 318	500-18 CT 90 E	10	M 18	56	29.2	39.5	21	27	53	
		7 407 328	500-20 CT 90 E	10	M 20	56	29.2	39.5	21	27	53	
630	500	7 407 329	500-22 CT 90 E	10	M 22	56	29.2	39.5	21	27	53	..HCU 630
		7 407 378	630-16 CT 90 E	10	M 16	61	33.5	42	27	30	60	
		7 407 398	630-18 CT 90 E	10	M 18	61	33.5	42	27	30	60	

Other holes on request.

Copper parallel and butt connectors NFC 20-130



Compliant with **NF C 20-130**

MJ series



MP series



General features

Butt connectors from 1.5 to 630 mm².

- Electrolytic tinning process.
- Bell entry from 6 mm² and inspection hole with cable stopper.
- Straight entry series on request, remove "T" from part number.

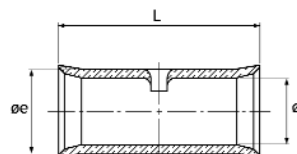
Note: the conductor sizes of the flexible cables mentioned in this table are given for information only, you should always check, considering the different compounds of these cables.


Parallel connectors from 1.5 to 240 mm².

- Tin-plated copper.
- Funnel entry.

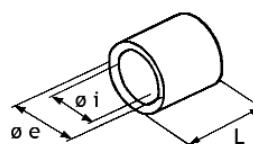
Tooling : see pages 177-208


Butt connectors from 1.5 to 630 mm²



Conductor size (mm ²) Rigid Flexible	Item code	Part number	Packing	Dimensions (mm)			Type of dies 
				Øi	Øe	L	
1.5	7 431 001	MJ-1,5	100	1.8	3.3	14.5	
2.5	7 431 112	MJ-2,5	100	2.4	4	14.5	
4	7 431 225	MJ-4 C	100	2.7	5	19	..HCU 4
6	7 431 236	MJ-6 CT	100	3.3	5.5	24	..HCU 6
10	7 431 246	MJ-10 CT	100	4.3	6.8	29	..HCU 10
16	7 431 256	MJ-16 CT	100	5.3	8	34	..HCU 16
25	7 431 266	MJ-25 CT	50	6.6	9.5	34	..HCU 25
35	7 431 276	MJ-35 CT	50	7.9	11	34	..HCU 35
50	7 431 286	MJ-50 CT	50	9.2	12.5	44	..HCU 50
70	7 431 306	MJ-70 CT	50	11	15	49	..HCU 70
95	7 431 316	MJ-95 CT	25	13.1	17	55	..HCU 95
120	7 431 326	MJ-120 CT	25	14.5	19	59	..HCU 120
150	7 431 336	MJ-150 CT	10	16.2	21	65	..HCU 150
185	7 431 346	MJ-185 CT	10	18	23	74	..HCU 185
240	7 431 354	MJ-240 CT	10	20.6	26	79	..HCU 240
300	7 431 366	MJ-300 CT	10	23	28	89	..HCU 300
400	7 431 376	MJ-400 CT	10	26	32	99	..HCU 400
500	7 431 384	MJ-500 CT	10	29.2	39.5	119	..HCU 500
630	7 431 387	MJ-630 CT	10	33.5	42	120	..HCU 630

Parallel connectors from 1.5 to 240 mm²



Total conductor size (mm ²)	Item code	Part number	Packing	Dimensions (mm)			Type of dies 
				Øi	Øe	L	
1.5	7 430 501	MP-1,5	100	1.6	3.2	7	
2.5	7 430 511	MP-2,5	100	2.3	3.9	7	
4 - 6	7 430 531	MP-6	100	3.6	5.6	7	..HCU 6
10	7 430 541	MP-10	100	4.5	6.7	10	..HCU 10
16	7 430 551	MP-16	100	5.8	8.2	11	..HCU 16
25	7 430 561	MP-25	50	7.5	10.5	14	..HCU 35
35	7 430 571	MP-35	50	9	12.2	16	..HCU 50
50	7 430 581	MP-50	50	11	14.6	16	..HCU 70
70	7 430 601	MP-70	50	13.1	17	19	..HCU 95
95	7 430 611	MP-95	25	14.5	19	20	..HCU 120
120	7 430 621	MP-120	25	16.2	21	20	..HCU 150
150	7 430 631	MP-150	25	18	23	20	..HCU 185
185	7 430 641	MP-185	10	20.6	26	28	..HCU 240
240	7 430 651	MP-240	10	23	28	31	..HCU 300

Copper tubular lugs with narrow palm NFC 20-130



Compliant with **NF C 20-130**

General features

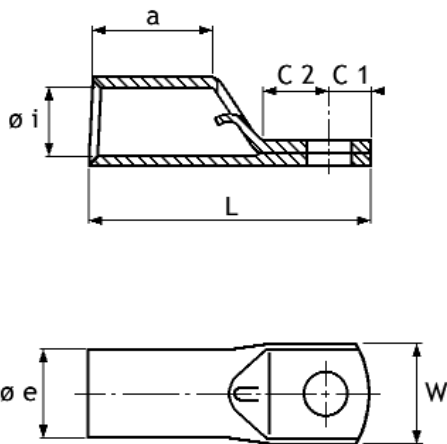
This type of lug with narrow palm allows fast and direct connection to electrical equipment with compact space.


- Material: tin-plated copper.
- Funnel entry.
- In compliance with NFC 20-130.
- Crimping tools identical to those for standard copper tubular lugs "C" or "CT" type.

PE series



Tooling : see pages 177-208



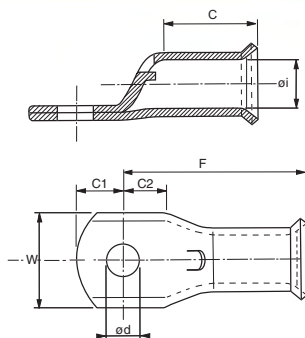
Conductor size (mm ²)	Item code	Part number	Packing	Stud size	Dimensions (mm)							Type of dies 
					W (max)	Øi	Øe	C1	C2	a	L	
95	7 404 022	95-8 PE	25	M 8	21	13.1	17	10	15	28	64	..HCU 95
95	7 404 021	95-10 PE	25	M 10	21	13.1	17	10	15	28	64	..HCU 95
120	7 404 031	120-10 PE	25	M 10	24.5	14.5	19	10	15	26	64	..HCU 120
150	7 404 041	150-10 PE	10	M 10	24.5	16.2	21	10	15	30	67	..HCU 150
185	7 404 051	185-10 PE	10	M 10	24.5	18	23	10	15	39	77	..HCU 185
240	7 404 061	240-10 PE	10	M 10	31.5	20.6	26	10	15	39	79	..HCU 240
300	7 404 071	300-10 PE	10	M 10	31.5	23	28	10	15	41	83	..HCU 300

Belled copper tubular lugs for flexible cables



General features

- Electrolytic copper
- Electrolytic tin plating process
- Bell entry



According to
IEC-61238

CTCUF series



Tooling : see pages 177-198

Conductor size (mm ²)	Item code	Part number	Stud size	Dimensions (mm)							
				Ød	Øi	C	W	C1	C2	F	
6	7370105	CTCU6F4	M4	4.3	4.35	11.0	10.8	8.0	8.0	25.0	
	7370110	CTCU6F5	M5	5.3			"	"	"	"	
	7370115	CTCU6F6	M6	6.4			"	"	"	"	
	7370120	CTCU6F8	M8	8.4			14.0	"	10.5	27.5	
	7370125	CTCU6F10	M10	10.5			"	10.0	"	"	
	7370130	CTCU6F12	M12	12.8			17.0	"	"	"	
10	7370135	CTCU10F5	M5	5.3	5.50	13.0	12.0	8.0	8.0	28.5	
	7370140	CTCU10F6	M6	6.4			"	"	"	"	
	7370145	CTCU10F8	M8	8.4			16.0	10.0	13.0	33.5	
	7370150	CTCU10F10	M10	10.5			"	"	"	"	
	7370155	CTCU10F12	M12	12.8			19.0	13.0	14.0	34.5	
16	7370160	CTCU16F5	M5	5.3	6.75	14.0	14.0	8.0	8.0	8.0	
	7370165	CTCU16F6	M6	6.4			"	"	"	"	
	7370170	CTCU16F8	M8	8.4			16.0	10.0	13.0	35.0	
	7370175	CTCU16F10	M10	10.5			"	"	"	"	
	7370180	CTCU16F12	M12	12.8			19.0	13.0	14.0	36.0	
25	7370185	CTCU25F6	M6	6.4	8.05	14.0	16.0	8.0	8.5	32.5	
	7370190	CTCU25F8	M8	8.4			17.0	"	"	"	
	7370195	CTCU25F10	M10	10.5			"	10.0	13.0	36.0	
	7370200	CTCU25F12	M12	12.8			19.0	13.0	14.0	38.0	
35	7370205	CTCU35F6	M6	6.4	9.35	18.5	18.5	9.0	8.5	36.0	
	7370210	CTCU35F8	M8	8.4			"	"	"	"	
	7370215	CTCU35F10	M10	10.5			"	10.0	13.0	40.5	
	7370220	CTCU35F12	M12	12.8			19.5	12.0	"	"	
50	7370225	CTCU50F8	M8	8.4	11.0	19.0	21.8	11.0	11.5	41.5	
	7370230	CTCU50F10	M10	10.5				"	"	"	"
	7370235	CTCU50F12	M12	12.8				12.0	13.0	43.0	
	7370240	CTCU50F16	M16	16.5				16.0	16.0	46.0	
70	7370245	CTCU70F8	M8	8.4	13.25	22.0	24.4	11.0	10.5	43.5	
	7370250	CTCU70F10	M10	10.5				"	"	"	
	7370255	CTCU70F12	M12	12.8				14.0	13.0	46.0	
	7370260	CTCU70F16	M16	16.5				16.0	16.0	49.0	
95	7370265	CTCU95F8	M8	8.4	14.65	28.0	27.0	14.0	13.0	53.0	
	7370270	CTCU95F10	M10	10.5				"	"	"	
	7370275	CTCU95F12	M12	12.8				"	"	"	
	7370280	CTCU95F14	M14	14.8				"	16.0	56.0	
	7370285	CTCU95F16	M16	16.5				16.0	"	"	
120	7370290	CTCU120F10	M10	10.5	16.2	32.0	30.0	15.0	13.0	59.0	
	7370295	CTCU120F12	M12	12.8				"	"	"	
	7370300	CTCU120F14	M14	14.8				"	16.0	62.0	
	7370305	CTCU120F16	M16	16.5				"	"	"	
150	7370310	CTCU150F10	M10	10.5	18.0	34.0	33.0	15.0	13.0	63.0	
	7370315	CTCU150F12	M12	12.8				"	"	"	
	7370320	CTCU150F14	M14	14.8				"	16.0	66.0	
	7370325	CTCU150F16	M16	16.5				"	"	"	
185	7370330	CTCU185F12	M12	12.8	20.6	39.0	37.0	19.0	14.5	70.5	
	7370335	CTCU185F16	M16	16.5				"	19.0	75.0	
	7370340	CTCU185F20	M20	21.0				"	"	"	
240	7370345	CTCU240F12	M12	12.8	23.1	44.0	41.0	20.0	14.5	77.5	
	7370350	CTCU240F16	M16	16.5				"	19.0	82.0	
	7370355	CTCU240F20	M20	21.0				"	"	"	

Copper tubular lugs from 6 to 400 mm²



General features

- Electrolytic copper (EN 13600)
 - Electrolytic plating process
 - Funnel entry
- Performance
- Heat resistant up to +125 °C

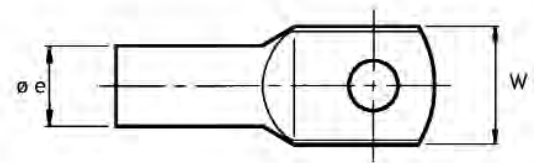
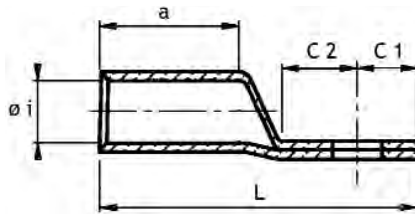
Compliant with
VDE-0220

YAV-DM / DE series



Tooling : see pages 177-198

- : MTR PART NUMBERS IN BLUE
- : SBI PART NUMBERS IN ORANGE



Conductor size (mm ²)	Item code	Part numbers	Stud size	Dimensions (mm)							Type of die
				W	Øi	Øe	C1	C2	a	L	
6	7360200	YAV06DM4KS DE6-4SV	M 4	10	3.5	6.5	6.5	6.5	9	26	...R6 / 6DGE1T
	7360215	YAV06DM5KS DE6-5SV	M 5	10	3.5	6.5	6.5	6.5	9	26	
	7360230	YAV06DM6KS DE6-6SV	M 6	12	3.5	6.5	6.5	6.5	9	26	
	7360245	YAV06DM8KS DE6-8SV	M 8	15	3.5	6.5	9.5	9.5	9	32	
	7360260	YAV06DM10KS DE6-10SV	M 10	17	3.5	6.5	11.5	11.5	9	36	
	7360275	YAV06DM12KS DE6-12SV	M 12	18,5	3.5	6.5	13	13	9	39	
10	7360315	YAV10DM5KS DE10-5SV	M 5	12	4.5	7	6.5	6.5	10	28	...R10 / 10DGE1T
	7360330	YAV10DM6KS DE10-6SV	M 6	12	4.5	7	6.5	6.5	10	28	
	7360345	YAV10DM8KS DE10-8SV	M 8	15	4.5	7	9.5	9.5	10	34	
	7360360	YAV10DM10KS DE10-10SV	M 10	17	4.5	7	11.5	11.5	10	38	
	7360375	YAV10DM12KS DE10-12SV	M 12	19	4.5	7	13	13	10	41	
16	7360415	YAV16DM5KS DE16-5SV	M 5	12	5.5	8.5	6.5	6.5	13	29	...R16 / 16DGE1T
	7360430	YAV16DM6KS DE16-6SV	M 6	12	5.5	8.5	6.5	6.5	13	31	
	7360445	YAV16DM8KS DE16-8SV	M 8	15	5.5	8.5	9.5	9.5	13	37	
	7360460	YAV16DM10KS DE16-10SV	M 10	17	5.5	8.5	11.5	11.5	13	41	
	7360575	YAV16DM12KS DE16-12SV	M 12	19	5.5	8.5	13	13	13	44	
25	7360510	YAV25DM5KS DE25-5SV	M 5	14	7	10	7	7	15	34.5	...R25 / 25DGE1T
	7360525	YAV25DM6KS DE25-6SV	M 6	14	7	10	7	7	15	34.5	
	7360540	YAV25DM8KS DE25-8SV	M 8	16	7	10	9.5	9.5	15	39.5	
	7360555	YAV25DM10KS DE25-10SV	M 10	18	7	10	11.5	11.5	15	43.5	
	7360570	YAV25DM12KS DE25-12SV	M 12	19	7	10	13	13	15	46.5	
	7360585	YAV25DM14KS DE25-14SV	M 14	21	7	10	14	14	15	48	

Copper tubular lugs from 6 to 400 mm²



Compliant with
VDE-0220

General features

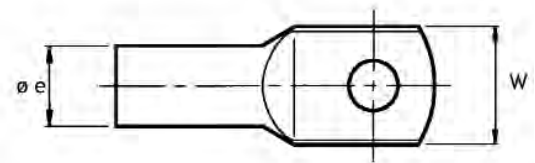
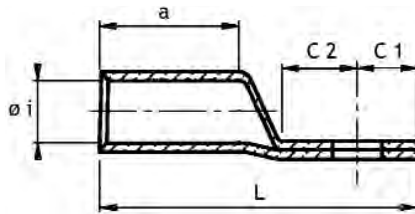
- Electrolytic copper (EN 13600)
 - Electrolytic plating process
 - Funnel entry
- Performance
- Heat resistant up to +125 °C

YAV-DM / DE series



Tooling : see pages 177-198

- : MTR PART NUMBERS IN BLUE
- : SBI PART NUMBERS IN ORANGE



Conductor size (mm ²)	Item code	Part numbers	Stud size	Dimensions (mm)							Type of die
				W	Øi	Øe	C1	C2	a	L	
35	7360610	YAV35DM6KS DE35-6SV	M 6	17	8.5	12	7	7	17	37.5	...R35 / 35DGE1T
	7360625	YAV35DM8KS DE35-8SV	M 8	17	8.5	12	9.5	9.5	17	42.5	
	7360640	YAV35DM10KS DE35-10SV	M 10	19	8.5	12	11.5	11.5	17	46.5	
	7360655	YAV35DM12KS DE35-12SV	M 12	21	8.5	12	13	13	17	49.5	
	7360670	YAV35DM14KS DE35-14SV	M 14	21	8.5	12	14	14	17	51.5	
	7360685	YAV35DM16KS DE35-16SV	M 16	25	8.5	12	15.5	15.5	17	54.5	
50	7360710	YAV050DM6KS DE50-6SV	M 6	20	10	14	9.5	9.5	19	46	...R50 / 50DGE1T
	7360725	YAV050DM8KS DE50-8SV	M 8	20	10	14	9.5	9.5	19	46	
	7360740	YAV050DM10KS DE50-10SV	M 10	20	10	14	11.5	11.5	19	50	
	7360755	YAV050DM12KS DE50-12SV	M 12	23	10	14	13	13	19	53	
	7360770	YAV050DM14KS DE50-14SV	M 14	23	10	14	14	14	19	55	
	7360785	YAV050DM16KS DE50-16SV	M 16	27	10	14	15.5	15.5	19	58	
	7360800	YAV050DM20KS DE50-20SV	M 20	30	10	14	19	19	19	65	
70	7360850	YAV070DM6KS DE70-6SV	M 6	24	12	16.5	10	10	21	50	...R70 / 70DGE1T
	7360865	YAV070DM8KS DE70-8SV	M 8	24	12	16.5	10	10	21	50	
	7360880	YAV070DM10KS DE70-10SV	M 10	24	12	16.5	11.5	11.5	21	53	
	7360895	YAV070DM12KS DE70-12SV	M 12	24	12	16.5	13	13	21	56	
	7360910	YAV070DM14KS DE70-14SV	M 14	24	12	16.5	14	14	21	58	
	7360950	YAV070DM16KS DE70-16SV	M 16	28	12	16.5	15.5	15.5	21	61	
	7360965	YAV070DM20KS DE70-20SV	M 20	30	12	16.5	19	19	21	68	

Copper tubular lugs from 6 to 400 mm²



General features

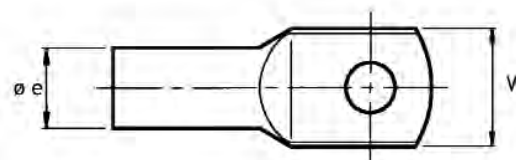
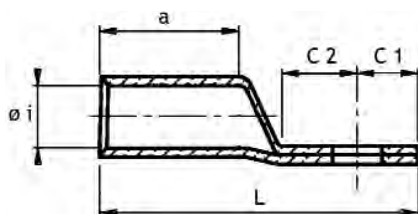
- Electrolytic copper (EN 13600)
 - Electrolytic plating process
 - Funnel entry
- Performance
- Heat resistant up to +125 °C

Compliant with
VDE-0220

YAV-DM / DE series

Tooling : see pages 177-198

- : MTR PART NUMBERS IN BLUE
- : SBI PART NUMBERS IN ORANGE



Conductor size (mm ²)	Item code	Part numbers	Stud size	Dimensions (mm)							Type of die
				W	Øi	Øe	C1	C2	a	L	
95	7361000	YAV95DM8KS DE95-8SV	M 8	26	13.5	18	11.5	11.5	25	59	...R95 / 95DGE1T
	7361015	YAV95DM10KS DE95-10SV	M 10	26	13.5	18	11.5	11.5	25	59	
	7361030	YAV95DM12KS DE95-12SV	M 12	26	13.5	18	13	13	25	62	
	7361045	YAV95DM14KS DE95-14SV	M 14	26	13.5	18	14	14	25	64	
	7361060	YAV95DM16KS DE95-16SV	M 16	28	13.5	18	15.5	15.5	25	67	
	7361075	YAV95DM20KS DE95-20SV	M 20	36	13.5	18	21	21	25	78	
120	7361105	YAV120DM8KS DE120-8SV	M 8	28	15	19.5	13	13	26	63	...R120 / 120DGE1T
	7361120	YAV120DM10KS DE120-10SV	M 10	28	15	19.5	13	13	26	63	
	7361135	YAV120DM12KS DE120-12SV	M 12	28	15	19.5	13	13	26	63	
	7361150	YAV120DM14KS DE120-14SV	M 14	28	15	19.5	14	14	26	65	
	7361165	YAV120DM16KS DE120-16SV	M 16	30	15	19.5	15.5	15.5	26	68	
	7361180	YAV120DM20KS DE120-20SV	M 20	36	15	19.5	21	21	26	79	
150	7361205	YAV150DM8KS DE150-8SV	M 8	31	16.5	21	13	13	30	68	...R150 / 150DGE1T
	7361220	YAV150DM10KS DE150-10SV	M 10	31	16.5	21	13	13	30	68	
	7361235	YAV150DM12KS DE150-12SV	M 12	31	16.5	21	14	14	30	70	
	7361250	YAV150DM14KS DE150-14SV	M 14	31	16.5	21	14	14	30	70	
	7361265	YAV150DM16KS DE150-16SV	M 16	31	16.5	21	15.5	15.5	30	73	
	7361280	YAV150DM20KS DE150-20SV	M 20	36	16.5	20.5	21	21	30	84	

Copper tubular lugs from 6 to 400 mm²



Compliant with
VDE-0220

General features

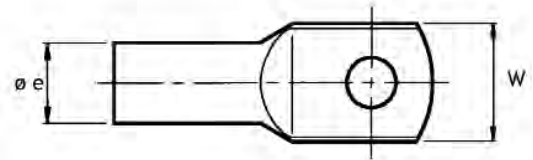
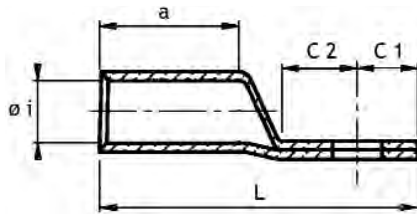
- Electrolytic copper (EN 13600)
 - Electrolytic plating process
 - Funnel entry
- Performance
- Heat resistant up to +125 °C

YAV-DM / DE series



Tooling : see pages 177-198

- : MTR PART NUMBERS IN BLUE
- : SBI PART NUMBERS IN ORANGE



Conductor size (mm ²)	Item code	Part numbers	Stud size	Dimensions (mm)							Type of die
				W	Øi	Øe	C1	C2	a	L	
185	7361315	YAV185DM10KS	M 10	35	19	24	17	17	30	80	...R185 / 185DGE1T
		DE185-10SV									
	7361330	YAV185DM12KS	M 12	35	19	24	17	17	30	80	
		DE185-12SV									
	7361345	YAV185DM14KS	M 14	35	19	24	17	17	30	80	
		DE185-14SV									
7361360	YAV185DM16KS	M 16	35	19	24	17	17	30	80		
	DE185-16SV										
7361380	YAV185DM20KS	M 20	39	19	24	21	21	30	88		
	DE185-20SV										
240	7361415	YAV240DM10KS	M 10	39	21	26	17	17	35	87	...R240 / 240DGE1T
		DE240-10SV									
	7361430	YAV240DM12KS	M 12	39	21	26	17	17	35	87	
		DE240-12SV									
	7361445	YAV240DM14KS	M 14	39	21	26	17	17	35	87	
		DE240-14SV									
7361460	YAV240DM16KS	M 16	39	21	26	17	17	35	87		
	DE240-16SV										
7361480	YAV240DM20KS	M 20	39	21	26	21	21	35	95		
	DE240-20SV										
300	7361530	YAV300DM12KS	M 12	43	23.5	29.5	17	17	44	97	...R300 / 300DGE1T
		DE300-12SV									
	7361545	YAV300DM14KS	M 14	43	23.5	29.5	17	17	44	97	
		DE300-14SV									
	7361560	YAV300DM16KS	M 16	43	23.5	29.5	17	17	44	97	
DE300-16SV											
7361580	YAV300DM20KS	M 20	43	23.5	29.5	21	21	44	107		
400	7361630	YAV400DM12KS	M 12	49	27	34	23	23	44	112	...R400 / 400DGE1T
		DE400-12SV									
	7361645	YAV400DM14KS	M 14	49	27	34	23	23	44	112	
		DE400-14SV									
	7361660	YAV400DM16KS	M 16	49	27	34	23	23	44	112	
DE400-16SV											
7361680	YAV400DM20KS	M 20	49	27	34	23	23	44	112		

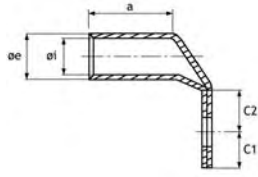
Industrial electrical connections

Copper tubular lugs from 6 to 120 mm² bent at 90°



General features

- Electrolytic copper (EN 13600)
 - Electrolytic plating process
 - Funnel entry
- Performance
- Heat resistant up to +125 °C



Compliant with
VDE-0220

YAV-DM / DE series



Tooling : see pages 177-198

• : MTR PART NUMBERS IN BLUE • : SBI PART NUMBERS IN ORANGE

Conductor size (mm ²)	Item code	Part numbers	Stud size	Dimensions (mm)					Type of die	
				Øi	Øe	W	C1	C2		a
6	7360225	YAV06DM590KS	M5	3.5	6.5	10.0	7.5	7.5	10.0	...R6 / ...6DGE1T
		DE6-5SV90E								
	7360240	YAV06DM690KS	M6			12.0				
		DE6-6SV90E								
	7360255	YAV06DM890KS	M8			15.0	10.0	10.0		
DE6-8SV90E										
7360270	YAV06DM1090KS	M10	17.0	12.0	12.0					
7360285	YAV06DM1290KS	M12	19.0	13.0	13.0					
10	7360325	YAV010DM590KS	M5	4.5	7.0	12.0	6.5	7.5	10.0	...R10 / ...10DGE1T
		DE10-5SV90E								
	7360340	YAV010DM690KS	M6			15.0	10.0	10.0		
		DE10-5SV90E								
	7360355	YAV010DM890KS	M8			17.0	12.0	12.0		
DE10-8SV90E										
7360370	YAV010DM1090KS	M10	19.0	13.0	13.0					
7360385	YAV010DM1290KS	M12								
16	7360425	YAV016DM590KS	M5	5.5	8.5	12.0	5.5	6.5	13.0	...R16 / ...16DGE1T
		DE16-5SV90E								
	7360440	YAV016DM690KS	M6			6.5	7.5			
		DE16-6SV90E								
	7360455	YAV016DM890KS	M8			15.0	8.5	9.5		
DE16-8SV90E										
7360470	YAV016DM1090KS	M10	17.0	10.5	11.5					
7360485	YAV016DM1290KS	M12	19.0	12.0	13.0					
25	7360520	YAV025DM590KS	M5	7.0	10.0	14.0	7.5	7.5	15.0	...R25 / ...25DGE1T
		DE25-5SV90E								
	7360535	YAV025DM690KS	M6			16.0	10.0	10.0		
		DE25-6SV90E								
	7360550	YAV025DM890KS	M8			18.0	12.0	12.0		
		DE25-8SV90E								
7360565	YAV025DM1090KS	M10	19.0	13.0	13.0					
	DE25-10SV90E									
7360580	YAV025DM1290KS	M12	21.0	14.5	14.5					
7360590	YAV025DM1490KS	M14								
35	7360612	YAV035DM690KS	M6	8.5	12.0	17.0	7.5	7.5	17.0	...R35 / ...35DGE1T
		DE35-6SV90E								
	7360635	YAV035DM890KS	M8			19.0	12.0	12.0		
		DE35-8SV90E								
	7360650	YAV035DM1090KS	M10			21.0	13.0	13.0		
		DE35-10SV90E								
7360667	YAV035DM1290KS	M12	26.0	16.0	16.0					
	DE35-12SV90E									
7360680	YAV035DM1490KS	M14								
7360695	YAV035DM1690KS	M16								

Industrial electrical connections

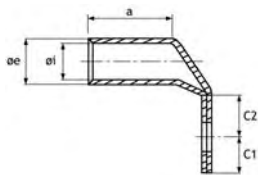


Copper tubular lugs from 6 to 120 mm² bent at 90°



General features

- Electrolytic copper (EN 13600)
 - Electrolytic plating process
 - Funnel entry
- Performance
- Heat resistant up to +125 °C



According to
IEC-61238

YAV-DM / DE series



Tooling : see pages 177-198

• : MTR PART NUMBERS IN BLUE • : SBI PART NUMBERS IN ORANGE

Conductor size (mm ²)	Item code	Part numbers	Stud size	Dimensions (mm)						Type of die
				Øi	Øe	W	C1	C2	a	
50	7360720	YAV050DM690KS DE50-6SV90E	M6	10.0	14.0	20.0	10.0	10.0	19.0	...R50 / ...50DGE1T
	7360735	YAV050DM890KS DE50-8SV90E	M8							
	7360750	YAV050DM1090KS DE50-10SV90E	M10				12.0	12.0		
	7360765	YAV050DM1290KS DE50-12SV90E	M12				13.0	13.0		
	7360780	YAV050DM1490KS DE50-14SV90E	M14			14.5	14.5			
	7360795	YAV050DM1690KS DE50-16SV90E	M16			16.0	16.0			
	7360810	YAV050DM2090KS DE50-20SV90E	M20			19.0	19.0			
	70	7360860	YAV070DM690KS DE70-6SV90E			M6	12.0	16.5		
7360875		YAV070DM890KS DE70-8SV90E	M8							
7360890		YAV070DM1090KS DE70-10SV90E	M10	12.0	12.0					
7360905		YAV070DM1290KS DE70-12SV90E	M12	13.0	13.0					
7360920		YAV070DM1490KS DE70-14SV90E	M14	14.5	14.5					
7360960		YAV070DM1690KS DE70-16SV90E	M16	16.0	16.0					
7360975		YAV070DM2090KS DE70-20SV90E	M20	19.0	19.0					
95		7361010	YAV095DM890KS DE95-8SV90E	M8	13.5	18.0			26.0	12.0
	7361025	YAV095DM1090KS DE95-10SV90E	M10	17.0						
	7361040	YAV095DM1290KS DE95-12SV90E	M12	13.0			18.0			
	7361055	YAV095DM1490KS DE95-14SV90E	M14	14.5			20.0			
	7361070	YAV095DM1690KS DE95-16SV90E	M16	16.0			22.0			
	7361085	YAV095DM2090KS DE95-20SV90E	M20	22.0			24.0			
	120	7361115	YAV120DM890KS DE120-8SV90E	M8			15.0	19.5	28.0	14.0
7361130		YAV120DM1090KS DE120-10SV90E	M10	17.0						
7361145		YAV120DM1290KS DE120-12SV90E	M12	18.0						
7361160		YAV120DM1490KS DE120-14SV90E	M14	15.0	20.0					
7361175		YAV120DM1690KS DE120-16SV90E	M16	16.0	22.0					
7361190		YAV120DM2090KS DE120-20SV90E	M20	22.0	24.0					

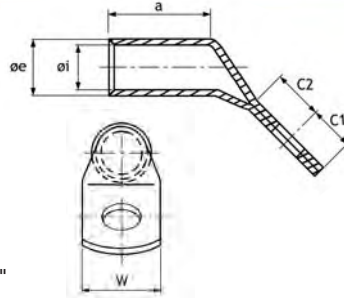
Copper tubular lugs from 6 to 120 mm² bent at 45°



Compliant with VDE 0220

General features

- Electrolytic copper (EN 13600)
- Electrolytic tin plating process
- Funnel entry
- For lugs with sight hole = omit "KS"



YAV-DM series

Tooling : see pages 177-198

• : MTR PART NUMBERS IN BLUE • : SBI PART NUMBERS IN ORANGE

Conductor size (mm ²)	Item code	Part numbers	Stud size	Dimensions (mm)						Type of die
				Øi	Øe	W	C1	C2	a	
6	7360227	YAV06DM545KS DE6-5SV45E	M5	3.5	6.5	10.0	7.5	7.5	9.0	...R6 / ...6DGE1T
	7360242	YAV06DM645KS DE6-6SV45E	M6			12.0				
	7360257	YAV06DM845KS DE6-8SV45E	M8			15.0	10.0	10.0		
	7360272	YAV06DM1045KS DE6-10SV45E	M10			17.0	12.0	12.0		
	7360287	YAV06DM1245KS DE6-12SV45E	M12			19.0	13.0	13.0		
10	7360327	YAV010DM545KS DE10-5SV45E	M5	4.5	7.0	12.0	6.5	7.5	10.0	...R10 / ...10DGE1T
	7360342	YAV010DM645KS DE10-6SV45E	M6			15.0				
	7360357	YAV010DM845KS DE10-8SV45E	M8			17.0	12.0	12.0		
	7360372	YAV010DM1045KS DE10-10SV45E	M10			19.0	13.0	13.0		
	7360387	YAV010DM1245KS DE10-12SV45E	M12			19.0	13.0	13.0		
16	7360427	YAV016DM545KS DE16-5SV45E	M5	5.5	8.5	12.0	5.5	6.5	13.0	...R16 / ...16DGE1T
	7360442	YAV016DM645KS DE16-6SV45E	M6			15.0				
	7360457	YAV016DM845KS DE16-8SV45E	M8			17.0	10.5	11.5		
	7360468	YAV016DM1045KS DE16-10SV45E	M10			19.0	12.0	13.0		
	7360487	YAV016DM1245KS DE16-12SV45E	M12			19.0	12.0	13.0		
25	7360522	YAV025DM545KS DE25-5SV45E	M5	7.0	10.0	14.0	7.5	7.5	15.0	...R25 / ...25DGE1T
	7360533	YAV025DM645KS DE25-6SV45E	M6			16.0				
	7360552	YAV025DM845KS DE25-8SV45E	M8			18.0	12.0	12.0		
	7360567	YAV025DM1045KS DE25-10SV45E	M10			19.0	13.0	13.0		
	7360582	YAV025DM1245KS DE25-12SV45E	M12			21.0	14.5	14.5		
	7360592	YAV025DM145KS DE25-14SV45E	M14			21.0	14.5	14.5		
35	7360622	YAV035DM645KS DE35-6SV45E	M6	8.5	12.0	17.0	7.5	7.5	17.0	...R35 / ...35DGE1T
	7360637	YAV035DM845KS DE35-8SV45E	M8			19.0				
	7360652	YAV035DM1045KS DE35-10SV45E	M10			21.0	13.0	13.0		
	7360669	YAV035DM1245KS DE35-12SV45E	M12			21.0	14.5	14.5		
	7360682	YAV035DM1445KS DE35-14SV45E	M14			26.0	16.0	16.0		
	7360697	YAV035DM1645KS DE35-16SV45E	M16			26.0	16.0	16.0		

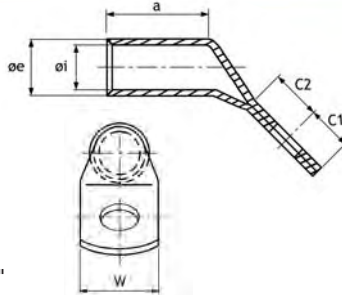
Copper tubular lugs from 6 to 120 mm² bent at 45°



Compliant with VDE 0220

General features

- Electrolytic copper (EN 13600)
- Electrolytic tin plating process
- Funnel entry
- For lugs with sight hole = omit "KS"



YAV-DM series

Tooling : see pages 177-208

• : MTR PART NUMBERS IN BLUE • : SBI PART NUMBERS IN ORANGE

Conductor size (mm ²)	Item code	Part numbers	Stud size	Dimensions (mm)						Type of die
				øi	øe	W	C1	C2	a	
50	7360722	YAV050DM645KS DE50-6SV45E	M6	10.0	14.0	20.0	10.0	10.0	19.0	...R50 / ...50DGE1T
	7360737	YAV050DM845KS DE50-8SV45E	M8							
	7360752	YAV050DM1045KS DE50-10SV45E	M10							
	7360767	YAV050DM1245KS DE50-12SV45E	M12			23.0	13.0	13.0		
	7360782	YAV050DM1445KS DE50-14SV45E	M14							
	7360797	YAV050DM1645KS DE50-16SV45E	M16			28.0	16.0	16.0		
	7360812	YAV050DM2045KS DE50-20SV45E	M20							
70	7360862	YAV070DM645KS DE70-6SV45E	M6	12.0	16.5	24.0	10.0	10.0	21.0	...R70 / ...70DGE1T
	7360877	YAV070DM845KS DE70-8SV45E	M8							
	7360892	YAV070DM1045KS DE70-10SV45E	M10							
	7360907	YAV070DM1245KS DE70-12SV45E	M12			13.0	13.0			
	7360922	YAV070DM1445KS DE70-14SV45E	M14							
	7360902	YAV070DM1645KS DE70-16SV45E	M16			28.0	16.0	16.0		
	7360977	YAV070DM2045KS DE70-20SV45E	M20							
95	7361012	YAV095DM845KS DE95-8SV45E	M8	13.5	18.0	26.0	12.0	14.0	25.0	...R95 / ...95DGE1T
	7361027	YAV095DM1045KS DE95-10SV45E	M10					17.0		
	7361042	YAV095DM1245KS DE95-12SV45E	M12					13.0		
	7361057	YAV095DM1445KS DE95-14SV45E	M14			14.5	20.0			
	7361072	YAV095DM1645KS DE95-16SV45E	M16			28.0	16.0	22.0		
	7361087	YAV095DM2045KS DE95-20SV45E	M20			36.0	22.0	24.0		
120	7361117	YAV120DM845KS DE120-8SV45E	M8	15.0	19.5	28.0	14.0	16.0	26.0	...R120 / ...120DGE1T
	7361132	YAV120DM1045KS DE120-10SV45E	M10					17.0		
	7361147	YAV120DM1245KS DE120-12SV45E	M12					18.0		
	7361162	YAV120DM1445KS DE120-14SV45E	M14			15.0	20.0			
	7361177	YAV120DM1645KS DE120-16SV45E	M16			30.0	16.0	22.0		
	7361192	YAV120DM2045KS DE120-20SV45E	M20			36.0	22.0	24.0		

Copper butt connectors VDE 0220



General features

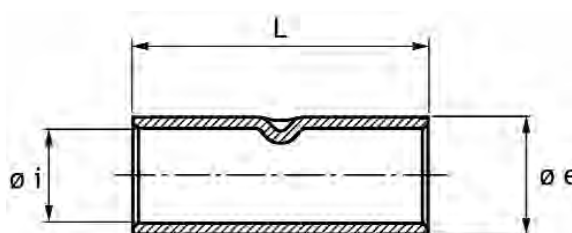
- Electrolytic copper (EN 13600)
- Electrolytic tin-plating process
- Funnel entry

Compliant with **VDE 0220**

YSV-D / DEM series



Tooling : see pages 177-208



• : MTR PART NUMBERS IN BLUE • : SBI PART NUMBERS IN ORANGE

Conductor size (mm ²)	item code	Part numbers	Dimensions (mm)			Type of dies
			ØI	ØE	L	
6	7435061	YSV06D DEM6	3.5	6.5	25	...R6/...6DGE1T
10	7435071	YSV010D DEM10	4.5	7	30	...R10/...10DGE1T
16	7435081	YSV016D DEM16	5.5	8.5	35	...R16/...16DGE1T
25	7435091	YSV025D DEM25	7	10	40	...R25/...25DGE1T
35	7435101	YSV035D DEM35	8.5	12	45	...R35/...35DGE1T
50	7435111	YSV050D DEM50	10	14	50	...R50/...50DGE1T
70	7435121	YSV070D DEM70	12	16.5	55	...R70/...70DGE1T
95	7435131	YSV095D DEM95	13.5	18	60	...R95/...95DGE1T
120	7435141	YSV120D DEM120	15	19.5	65	...R120/...120DGE1T
150	7435151	YSV150D DEM150	16.5	21	70	...R150/...150DGE1T
185	7435161	YSV185D DEM185	19	24	75	...R185/...185DGE1T
240	7435171	YSV240D DEM240	21	26	85	...R240/...240DGE1T
300	7435181	YSV300D DEM300	23.5	29.5	100	...R300/...300DGE1T
400	7435191	YSV400D DEM400	27	34	100	...R400/...400DGE1T

Copper tubular lugs from
6 to 95 mm²
DIN 46235



Compliant with **DIN 46235**

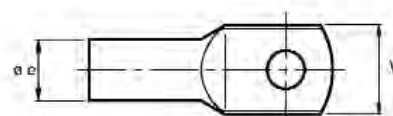
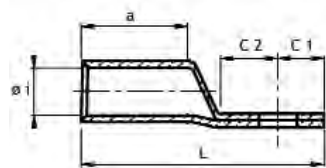
General features

- Electrolytic copper (EN 13600)
- Electrolytic tin-plating process
- Funnel entry
- For not tin plated lugs delete "TN" to part number (eg. YCA095M12)

YCA-TN series



Tooling : see pages 177-201



Conductor size (mm ²)	item code	Part numbers	Stud size	Dimensions (mm)							Die code
				W	Øi	Øe	C1	C2	a	L	
6	7362001	YCA06M5TN	5	8.5	3.8	5.5	8	8	10	32	.. K5
	7362011	YCA06M6TN	6	8.5	3.8	5.5	8	8	10	32	
	7362021	YCA06M8TN	8	13	3.8	5.5	11	9	10	32	
10	7362031	YCA010M5TN	5	9	4.5	6	8	8	10	35	.. K6
	7362041	YCA010M6TN	6	9	4.5	6	8	8	10	35	
	7362051	YCA010M8TN	8	13	4.5	6	10	10	10	39	
	7362053	YCA010M10TN	10	17	4.5	6	12	12	10	48	
16	7362061	YCA016M6TN	6	13	5.5	8.5	10	10	20	46	.. K8
	7362071	YCA016M8TN	8	13	5.5	8.5	10	10	20	46	
	7362081	YCA016M10TN	10	17	5.5	8.5	13	13	20	49	
	7362091	YCA016M12TN	12	18	5.5	8.5	12	12	20	48	
25	7362101	YCA025M6TN	6	14	7	10	10	10	20	48	.. K10
	7362111	YCA025M8TN	8	16	7	10	10	10	20	48	
	7362121	YCA025M10TN	10	17	7	10	13	13	20	51	
	7362131	YCA025M12TN	12	19	7	10	13	13	20	51	
35	7362141	YCA035M6TN	6	17	8.2	12.5	13	13	20	55	.. K12
	7362151	YCA035M8TN	8	17	8.2	12.5	13	13	20	55	
	7362161	YCA035M10TN	10	19	8.2	12.5	13	13	20	55	
	7362171	YCA035M12TN	12	21	8.2	12.5	13	13	20	55	
50	7362181	YCA035M14TN	14	21	8.2	12.5	13	13	20	55	.. K14
	7362191	YCA050M8TN	8	20	10	14.5	12	12	28	64	
	7362201	YCA050M10TN	10	22	10	14.5	12	12	28	64	
	7362211	YCA050M12TN	12	24	10	14.5	16	16	28	64	
70	7362221	YCA050M14TN	14	24	10	14.5	16	16	28	68	.. K16
	7362231	YCA050M16TN	16	28	10	14.5	16	16	28	68	
	7362241	YCA070M8TN	8	24	11.5	16.5	12	12	28	67	
	7362251	YCA070M10TN	10	24	11.5	16.5	12	12	28	67	
	7362261	YCA070M12TN	12	24	11.5	16.5	16	16	28	71	
95	7362271	YCA070M14TN	14	24	11.5	16.5	16	16	28	71	.. K18
	7362281	YCA070M16TN	16	30	11.5	16.5	16	16	28	71	
	7362291	YCA095M8TN	8	28	13.5	19	14	13	35	79	
	7362301	YCA095M10TN	10	28	13.5	19	14	13	35	79	
	7362311	YCA095M12TN	12	28	13.5	19	14	13	35	79	
	7362321	YCA095M14TN	14	28	13.5	19	16	16	35	81	
	7362331	YCA095M16TN	16	32	13.5	19	16	16	35	81	
	7362333	YCA095M20TN	20	34	13.5	19	16	16	35	81	

Copper tubular lugs from
120 to 625 mm²
DIN 46235



Compliant with **DIN 46235**

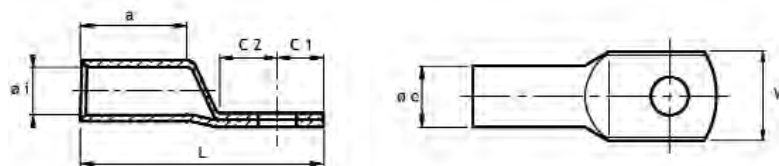
General features

- Electrolytic copper (EN 13600)
- Electrolytic tin-plating process
- Funnel entry
- For not tin plated lugs delet "TN" to part number (eg. YCA120M12)

YCA-TN series



Tooling : see pages 177-201



Conductor size (mm ²)	item code	Part numbers	Stud size	Dimensions (mm)							Die code
				W	ØI	Øe	C1	C2	a	L	
120	7362341	YCA120M10TN	10	32	15.5	21	13	13	35	83	.. K20
	7362351	YCA120M12TN	12	32	15.5	21	14	13	35	84	
	7362361	YCA120M14TN	14	32	15.5	21	14	13	35	84	
	7362371	YCA120M16TN	16	32	15.5	21	17	16	35	90	
	7362381	YCA120M20TN	20	38	15.5	21	20	20	35	97	
150	7362391	YCA150M10TN	10	34	17	23.5	13	13	35	91	.. K22
	7362401	YCA150M12TN	12	34	17	23.5	14	13	35	92	
	7362411	YCA150M14TN	14	34	17	23.5	14	13	35	92	
	7362421	YCA150M16TN	16	34	17	23.5	17	16	35	98	
	7362431	YCA150M20TN	20	40	17	23.5	20	20	35	105	
185	7362441	YCA185M10TN	10	37	19	25.5	13	13	40	95	.. K25
	7362451	YCA185M12TN	12	37	19	25.5	14	13	40	96	
	7362461	YCA185M14TN	14	37	19	25.5	14	13	40	96	
	7362471	YCA185M16TN	16	37	19	25.5	17	16	40	102	
	7362481	YCAM185M20TN	20	40	19	25.5	20	20	40	109	
240	7362491	YCA240M12TN	12	42	21.5	29	14	23	40	106	.. K28
	7362501	YCA240M14TN	14	42	21.5	29	14	23	40	106	
	7362511	YCA240M16TN	16	42	21.5	29	17	23	40	109	
	7362521	YCA240M20TN	20	45	21.5	29	20	23	40	112	
300	7362531	YCA300M14TN	14	48	24.5	32	17	20	50	117	.. K32
	7362541	YCA300M16YN	16	48	24.5	32	17	20	50	117	
	7362551	YCA300M20TN	20	48	24.5	32	20	20	50	120	
400	7362561	YCA400M14TN	14	55	27.5	38.5	22	20	70	137	.. K38
	7362571	YCA400M16TN	16	55	27.5	38.5	22	20	70	137	
	7362581	YCA400M20TN	20	55	27.5	38.5	22	20	70	137	
500	7362591	YCA500M16TN	16	60	31	42	22	20	70	147	.. K42
	7362601	YCA500M20TN	20	60	31	42	22	20	70	147	
625/630	7362611	YCA630M16TN	16	60	34.5	44	22	20	80	157	.. K44
	7362621	YCA630M20TN	20	60	34.5	44	22	20	80	157	
800		YCA800M20TN	20	75	40	52	22	20	100	187	.. K52
1000		YCA1000M20TN	20	85	44	58	22	20	100	187	.. K58

Non insulated copper splices from 6 to 1000 mm² DIN 46267/T1



General features

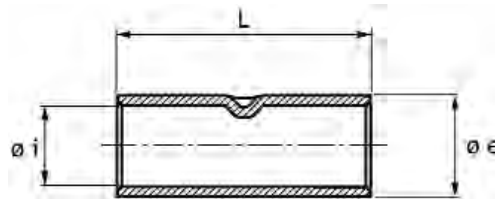
- Electrolytic copper (EN 13600)
- Electrolytic tin plating process
- Funnel entry
- For not tin plated splice delet "TN" to part number (eg.YCS35)

Compliant with **DIN 46267/T1**

YCS-TN series



Tooling : see pages 177-201



Conducteur size (mm ²)	Item code	Part number	Dimensions (mm)			Type of die
			Øi	Øe	L	
6	7435231	YCS06TN	3.8	5.5	30.0	..K5
10	7435241	YCS10TN	4.5	6	30.0	..K6
16	7435251	YCS16TN	5.5	8.5	50.0	..K8
25	7435261	YCS25TN	7.0	10	50.0	..K10
35	7435271	YCS35TN	8.2	12.5	50.0	..K12
50	7435281	YCS50TN	10.0	14.5	56.0	..K14
70	7435291	YCS70TN	11.5	16.5	56.0	..K16
95	7435301	YCS95TN	13.5	19	70.0	..K18
120	7435311	YCS120TN	15.5	21	70.0	..K20
150	7435421	YCS150TN	17.0	23.5	80.0	..K22
185	7435331	YCS185TN	19.0	25.5	85.0	..K25
240	7435341	YCS240TN	21.5	29	90.0	..K28
300	7435451	YCS300TN	24.5	32	100.0	..K32
400	7435361	YCS400TN	27.5	38.5	150.0	..K38
500	7435371	YCS500TN	31.0	42	160.0	..K42
625/630	7435381	YCS630TN	34.5	44	160.0	..K44
800	7435391	YCS800TN	40.0	52	200.0	..K52
1000	7435401	YCS1000TN	44.0	58	200.0	..K58

Non-insulated copper tube butt splices



General features

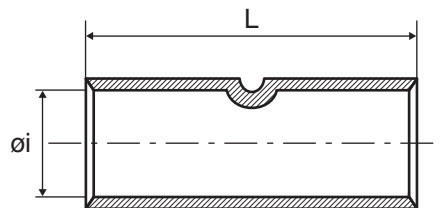
- Range of copper tube (EN 13600) butt splices taking wires from 0.1 to 150 mm²
- Electrolytic copper tube, electro tinned
- Heat resistant up to +125°C

Compliant with **DIN 46341/T1 form A**

BYS line

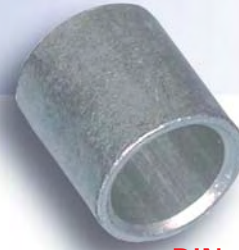


Tooling : see pages 177-208



Conductor size (mm ²)	Item code	Part number	Dimensions (mm)	
			Ø i	L
0.1 - 0.5	7436100	BYS05	1.2	12
> 0.5 - 1.5	7436105	BYS1	1.6	15
>1 - 2.5	7436110	BYS025	2.3	15
>4 - 6	7436115	BYS6	3.6	15
>6 - 10	7436120	BYS10	4.5	20
>10 - 16	7436125	BYS16	5.8	23
>16 - 25	7436130	BYS25	7.5	25
>25 - 35	7436135	BYS35	9	27
>35 - 50	7436140	BYS50	11	38
>50 - 70	7436145	BYS70	13	42
>70 - 95	7436150	BYS95	15	48
>95 - 120	7436155	BYS120	16.5	52
>120 - 150	7436160	BYS150	19	56
>150 - 180		BYS180	21	57
>180 - 240		BYS240	24	63
>240 - 300		BYS300	28	72

Non-insulated copper tube parallel splices



Compliant with
DIN 46341/T1 form B

General features

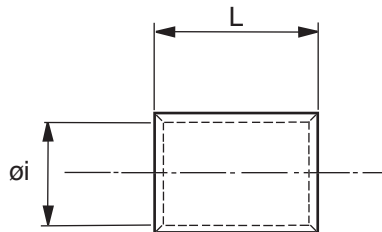
- Range of copper tube (EN 13600) parallel splices taking wires from 0.1 to 150 mm²
- Electrolytic copper tube, electro tinned
- Heat resistant up to +125°C

BYSM line



Tooling : see pages 177-208

- : MTR PART NUMBERS IN BLUE
- : SBI PART NUMBERS IN ORANGE



Conductor size (mm ²)	Item code	Part number	Dimensions (mm)	
			Ø i	L
0.1 - 0.5	7430492	BYSM05	1.2	5
> 0.5 - 1.5	7430501	BYSM1	1.6	7
		MP1.5		
> 1 - 2.5	7430511	BYSM025	2.3	7
		MP2.5		
> 4 - 6	7430531	BYSM6	3.6	7
		MP6		
> 6 - 10	7430541	BYSM10	4.5	9
		MP10		
> 10 - 16	7430551	BYSM16	5.8	10.5
		MP16		
> 16 - 25	7430561	BYSM25	7.5	11.5
		MP25		
> 25 - 35	7430571	BYSM35	9	12.5
		MP35		
> 35 - 50	7430581	BYSM50	11	16.5
		MP50		
> 50 - 70	7430602	BYSM70	13	18
> 70 - 95	7430612	BYSM95	15	19.5
> 95 - 120	7430622	BYSM120	16.5	21.5
> 120 - 150	7430632	BYSM150	19	24.5
> 150 - 185		BYSM185	21	28.5
> 185 - 240		BYSM240	24	32
> 240 - 300		BYSM300	28	37

Copper tubular lugs for flexible cables according to DIN VDE 57295



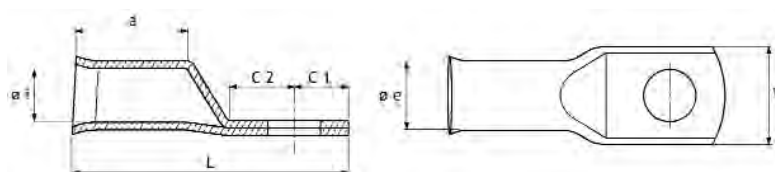
General features


- Electrolytic copper (EN 13600)
- Electrolytic tin-plating process
- Bell entry
- For lugs with inspection hole, remove "SV" from the part number (eg. DEF10-5T)

DEF-TSV series



Tooling : see pages 177-208



Conductor size (mm ²)	Item code	Part number	Packing	Hole Ø (mm)	Dimensions (mm)							Type of dies 
					W	Øi	Øe	C1	C2	a	L	
10	7 363 001	DEF 10-5 TSV	100	5	12	5.6	8	6	7	12.6	32	..F 10
	7 363 011	DEF 10-6 TSV	100	6	12	5.6	8	6	7	12.6	32	
	7 363 021	DEF 10-8 TSV	100	8	15	5.6	8	8	10	12.6	36	
	7 363 031	DEF 10-10 TSV	100	10	15	5.6	8	8	10	12.6	36	
16	7 363 051	DEF 16-5 TSV	50	5	13	6.6	9.5	7	9	14.6	37.6	..F 16
	7 363 061	DEF 16-6 TSV	50	6	13	6.6	9.5	7	9	14.6	37.6	
	7 363 071	DEF 16-8 TSV	50	8	16	6.6	9.5	9	11	14.6	41.6	
	7 363 081	DEF 16-10 TSV	50	10	16	6.6	9.5	9	11	14.6	41.6	
25	7 363 091	DEF 16-12 TSV	50	12	17.5	6.6	9.5	9	11	14.6	41.6	..F 25
	7 363 101	DEF 25-5 TSV	50	5	15	7.9	11	9	11	16.5	43.5	
	7 363 111	DEF 25-6 TSV	50	6	15	7.9	11	9	11	16.5	43.5	
	7 363 121	DEF 25-8 TSV	50	8	17	7.9	11	9	11	16.5	43.5	
35	7 363 131	DEF 25-10 TSV	50	10	17	7.9	11	9	11	16.5	43.5	..F 35
	7 363 141	DEF 25-12 TSV	50	12	18.5	7.9	11	9	11	16.5	43.5	
	7 363 151	DEF 35-6 TSV	50	6	18	9.2	12.5	7	10	18.5	51	
	7 363 161	DEF 35-8 TSV	50	8	18	9.2	12.5	10	14	18.5	51	
50	7 363 171	DEF 35-10 TSV	50	10	18	9.2	12.5	10	14	18.5	51	..F 50
	7 363 181	DEF 35-12 TSV	50	12	19	9.2	12.5	10	14	18.5	51	
	7 363 191	DEF 35-14 TSV	50	14	20.8	9.2	12.5	10	14.5	18.5	51	
	7 363 201	DEF 50-6 TSV	50	6	21	11	15	10	14	21.5	55.5	
70	7 363 211	DEF 50-8 TSV	50	8	21	11	15	10	14	21.5	55.5	..F 70
	7 363 221	DEF 50-10 TSV	50	10	21	11	15	10	14	21.5	55.5	
	7 363 231	DEF 50-12 TSV	50	12	21	11	15	10	14	21.5	55.5	
	7 363 241	DEF 50-14 TSV	50	14	21	11	15	10	14	21.5	55.5	
95	7 363 251	DEF 70-6 TSV	25	6	24	13.1	17	13.5	15.5	27.5	67.5	..F 95
	7 363 261	DEF 70-8 TSV	25	8	24	13.1	17	13.5	15.5	27.5	67.5	
	7 363 271	DEF 70-10 TSV	25	10	24	13.1	17	13.5	15.5	27.5	67.5	
	7 363 281	DEF 70-12 TSV	25	12	24	13.1	17	13.5	15.5	27.5	67.5	
	7 363 291	DEF 70-14 TSV	25	14	24	13.1	17	13.5	15.5	27.5	67.5	
95	7 363 301	DEF 70-16 TSV	25	16	24	13.1	17	13.5	15.5	27.5	67.5	..F 95
	7 363 311	DEF 95-8 TSV	25	8	28	14.5	19	13	12	32.5	75.5	
	7 363 321	DEF 95-10 TSV	25	10	28	14.5	19	13	12	32.5	75.5	
	7 363 331	DEF 95-12 TSV	25	12	28	14.5	19	13	12	32.5	75.5	
	7 363 341	DEF 95-14 TSV	25	14	28	14.5	19	13	12	32.5	75.5	
	7 363 351	DEF 95-16 TSV	25	16	28	14.5	19	13	12	32.5	75.5	

Copper tubular lugs for flexible cables according to DIN VDE 57295



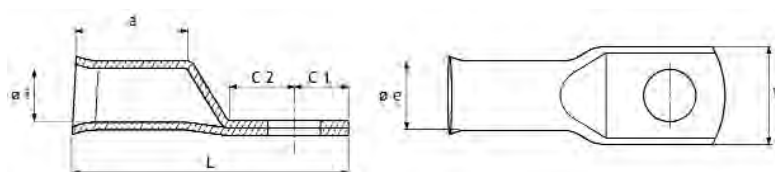
General features

- Electrolytic copper (EN 13600)
- electrolytic tin-plating process
- Bell entry
- For lugs with inspection hole, remove "SV" from the part number (eg. DEF120-8T)

DEF-TSV series



Tooling : see pages 177-208



Conductor size (mm ²)	Packing / 10 pieces		Hole Ø (mm)	Dimensions (mm)						Type of dies	
	Item code	Part number		W	Øi	Øe	C1	C2	a		L
120	7 363 361	DEF 120-8 TSV	8	30	16.2	21	15	15	31.5	74.5	..F 120
	7 363 371	DEF 120-10 TSV	10	30	16.2	21	15	15	31.5	74.5	
	7 363 381	DEF 120-12 TSV	12	30	16.2	21	15	15	31.5	74.5	
	7 363 391	DEF 120-14 TSV	14	30	16.2	21	17	17	31.5	74.5	
	7 363 401	DEF 120-16 TSV	16	30	16.2	21	17	17	31.5	78.5	
150	7 363 411	DEF 150-8 TSV	8	33	18	23	15	15	35.5	81.5	..F 150
	7 363 421	DEF 150-10 TSV	10	33	18	23	15	15	31.5	81.5	
	7 363 431	DEF 150-12 TSV	12	33	18	23	15	15	31.5	81.5	
	7 363 441	DEF 150-14 TSV	14	33	18	23	17	17	31.5	85.5	
	7 363 451	DEF 150-16 TSV	16	33	18	23	17	17	31.5	85.5	
185	7 363 461	DEF 150-20 TSV	20	33	18	23	17	17	31.5	85.5	..F 185
	7 363 471	DEF 185-10 TSV	10	37	20.6	26	17	17	39.6	89.5	
	7 363 481	DEF 185-12 TSV	12	37	20.6	26	17	17	39.6	89.5	
	7 363 491	DEF 185-14 TSV	14	37	20.6	26	19	19	39.6	93.5	
	7 363 501	DEF 185-16 TSV	16	37	20.6	26	19	19	39.6	93.5	
240	7 363 511	DEF 185-20 TSV	20	37	20.6	26	20	20	39.6	93.5	..F 240
	7 363 521	DEF 240-12 TSV	12	41	23	28	19	19	41	95.5	
	7 363 531	DEF 240-14 TSV	14	41	23	28	19	19	41	95.5	
	7 363 541	DEF 240-16 TSV	16	41	23	28	19	19	41	95.5	
300	7 363 551	DEF 240-20 TSV	20	41	23	28	19	20	41	97.5	..F 300
	7 363 561	DEF 300-12 TSV	12	47	26	32	20	25	43	111	
	7 363 571	DEF 300-14 TSV	14	47	26	32	20	25	43	111	
	7 363 581	DEF 300-16 TSV	16	47	26	32	20	25	43	111	
	7 363 591	DEF 300-20 TSV	20	47	26	32	20	25	43	111	

Copper tubular lugs
from 0.3 to 1000 mm²



General features

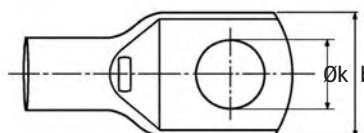
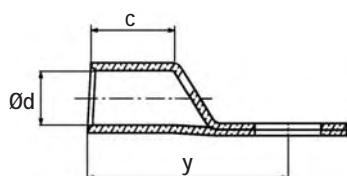
- Electrolytic copper
 - Electrolytic plating process
 - Funnel entry
- Performance
- Heat resistant up to +125 °C

According to
IEC-61238

YAV series



Tooling : see pages 177-208



Conductor size (mm ²)	Item code	Part number	Stud size	Dimensions (mm)				
				Ød	y	b	c	Øk
0.3 - 1.2	7370400	YAV18T4	3.0	1.4	13.7	4.8	6.9	3.1
	7370405	YAV18T5	3.5	1.4	15.5	8.0	6.9	3.7
	7370410	YAV18T1	4.0	1.4	15.5	8.0	6.9	4.3
	7370415	YAV18	5.0	1.4	15.5	8.0	6.9	5.1
1.5 - 2.5	7370420	YAV025M35	3.5	2.3	13.7	6.4	6.9	3.7
	7370425	YAV025M4	4.0	2.3	16.3	8.0	6.9	4.3
	7370430	YAV025M5	5.0	2.3	16.3	8.0	6.9	5.3
	7370435	YAV025M6	6.0	2.3	19.1	10.7	6.9	6.4
	7370440	YAV14T3	8.0	2.3	19.1	11.2	6.9	8.4
2.5 - 4	7370445	YAV04M4	4.0	2.6	15.2	6.9	6.9	4.3
	7370450	YAV04M5	5.0	2.6	17.0	7.6	6.9	5.3
	7370455	YAV04M6	6.0	2.6	19.8	9.1	6.9	6.4
4 - 6	7370460	YAV06M35	3.5	3.3	19.8	7.6	9.5	3.7
	7370465	YAV06M4	4.0	3.3	20.1	9.6	9.5	4.3
	7370470	YAV06M5	5.0	3.3	20.1	9.6	9.5	5.3
	7370475	YAV06M6	6.0	3.3	22.1	12.0	9.5	6.4
	7370480	YAV06M8	8.0	3.3	22.1	13.5	9.5	8.4
	7370485	YAV10T38	10.0	3.3	22.9	14.7	9.5	10.5
Flex 6	7370490	YAV06FM4	4.0	3.8	18.1	8.0	9.9	4.3
	7370495	YAV06FM5	5.0	3.8	19.1	9.7	9.9	5.3
	7370500	YAV06FM6	6.0	3.8	20.1	11.0	9.9	6.4
	7370505	YAV06FM8	8.0	3.8	22.1	13.0	9.9	8.4
	7370510	YAV06FM10	10.0	3.8	24.1	14.0	9.9	10.5
10	7370515	YAV10M4	4.0	4.6	19.4	10.3	12.0	4.3
	7370520	YAV10M5	5.0	4.6	20.1	10.3	12.0	5.3
	7370525	YAV10M6	6.0	4.6	21.4	11.1	12.0	6.4
	7370530	YAV10M8	8.0	4.6	23.4	14.3	12.0	8.4
	7370535	YAV10M10	10.0	4.6	25.4	14.3	12.0	10.5
	7370540	YAV10M12	12.0	4.6	28.4	18.5	12.0	12.3
16	7370545	YAV16M5	5.0	5.7	22.9	12.7	14.0	5.3
	7370550	YAV16M6	6.0	5.7	23.9	12.7	14.0	6.4
	7370555	YAV16M8	8.0	5.7	25.9	15.0	14.0	8.4
	7370560	YAV16M10	10.0	5.7	27.9	15.0	14.0	10.5
	7370565	YAV16M12	12.0	5.7	30.9	18.5	14.0	13.2
25	7370570	YAV25M5	5.0	7.2	24.7	13.9	15.0	5.3
	7370575	YAV25M6	6.0	7.2	25.7	13.9	15.0	6.4
	7370580	YAV25M8	8.0	7.2	27.7	15.9	15.0	8.4
	7370585	YAV25M10	10.0	7.2	29.7	15.9	15.0	10.5
	7370590	YAV25M12	12.0	7.2	32.7	18.5	15.0	13.2
35	7370595	YAV35M5	5.0	8.5	27.4	16.4	17.0	5.3
	7370600	YAV35M6	6.0	8.5	28.4	16.4	17.0	6.4
	7370605	YAV35M8	8.0	8.5	30.4	16.4	17.0	8.4
	7370610	YAV35M10	10.0	8.5	32.4	16.4	17.0	10.5
	7370615	YAV35M12	12.0	8.5	35.4	16.4	17.0	13.2
50	7370620	YAV50M5	5.0	9.5	30.9	18.2	20.0	5.3
	7370625	YAV50M6	6.0	9.5	31.9	18.2	20.0	6.4
	7370630	YAV50M8	8.0	9.5	33.9	18.2	20.0	8.4
	7370635	YAV50M10	10.0	9.5	35.9	18.2	20.0	10.5
	7370640	YAV50M12	12.0	9.5	38.9	19.8	20.0	13.2
	7370645	YAV50M14	14.0	9.5	38.9	21.5	20.0	15.0
	7370650	YAV50M16	16.0	9.5	41.9	22.4	20.0	17.0

Copper tubular lugs
from 0.3 to 1000 mm²



General features

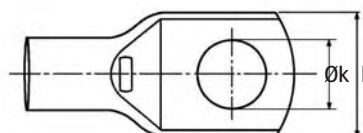
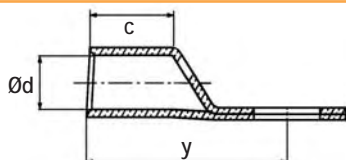
- Electrolytic copper
 - Electrolytic plating process
 - Funnel entry
- Performance
- Heat resistant up to +125 °C

According to
IEC-61238

YAV series



Tooling : see pages 177-208

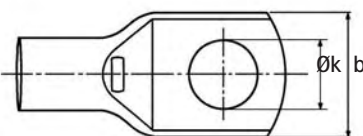
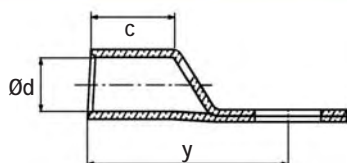


Conductor size (mm ²)	Item code	Part number	Stud size	Dimensions (mm)				
				Ød	y	b	c	Øk
Flex 50	7370655	YAV50FM5	5.0	10.0	30.9	19.2	20.0	5.3
	7370660	YAV50FM6	6.0	10.0	31.9	19.5	20.0	6.4
	7370665	YAV50FM8	8.0	10.0	33.9	19.5	20.0	8.4
	7370670	YAV50FM10	10.0	10.0	35.9	19.5	20.0	10.5
	7370675	YAV50FM12	12.0	10.0	38.9	21.8	20.0	13.2
	7370680	YAV50FM14	14.0	10.0	38.9	21.8	20.0	15.0
70	7370685	YAV50FM16	16.0	10.0	41.9	22.4	20.0	17.0
	7370690	YAV70M5	5.0	11.3	32.4	21.4	21.0	5.3
	7370695	YAV70M6	6.0	11.3	33.4	21.4	21.0	6.4
	7370700	YAV70M8	8.0	11.3	35.4	21.4	21.0	8.4
	7370705	YAV70M10	10.0	11.3	37.4	21.4	21.0	10.5
	7370710	YAV70M12	12.0	11.3	40.4	22.4	21.0	13.2
Flex 70	7370715	YAV70M14	14.0	11.3	40.4	22.4	21.0	15.0
	7370720	YAV70M16	16.0	11.3	43.4	22.4	21.0	17.0
	7370725	YAV70FM5	5.0	12.8	37.4	23.8	25.0	5.3
	7370730	YAV70FM6	6.0	12.8	38.4	23.8	25.0	6.4
	7370735	YAV70FM8	8.0	12.8	40.4	23.8	25.0	8.4
	7370740	YAV70FM10	10.0	12.8	42.4	23.8	25.0	10.5
95	7370745	YAV70FM12	12.0	12.8	45.4	23.8	25.0	13.2
	7370750	YAV70FM14	14.0	12.8	45.4	23.8	25.0	15.0
	7370755	YAV70FM16	16.0	12.8	48.4	23.8	25.0	17.0
	7370760	YAV95M8	8.0	13.4	41.4	25.0	25.0	8.4
	7370765	YAV95M10	10.0	13.4	43.4	25.0	25.0	10.5
	7370770	YAV95M12	12.0	13.4	46.4	25.0	25.0	13.2
Flex 95	7370775	YAV95M14	14.0	13.4	46.4	25.0	25.0	15.0
	7370780	YAV95M16	16.0	13.4	49.4	25.0	25.0	17.0
	7370785	YAV95FM8	8.0	14.2	41.4	25.0	25.0	8.4
	7370790	YAV95FM10	10.0	14.2	43.4	25.0	25.0	10.5
	7370795	YAV95FM12	12.0	14.2	46.4	25.0	25.0	13.2
	7370800	YAV95FM14	14.0	14.2	46.4	25.0	25.0	15.0
120	7370805	YAV95FM16	16.0	14.2	49.4	25.0	25.0	17.0
	7370810	YAV120M8	8.0	15.9	44.4	29.0	27.0	8.4
	7370815	YAV120M10	10.0	15.9	46.4	29.0	27.0	10.5
	7370820	YAV120M12	12.0	15.9	49.4	29.0	27.0	13.2
	7370825	YAV120M14	14.0	15.9	49.4	29.0	27.0	15.0
	7370830	YAV120M16	16.0	15.9	52.4	29.0	27.0	17.0
Flex 120	7370835	YAV120M20	20.0	15.9	58.4	31.7	27.0	21.0
	7370840	YAV120FM8	8.0	15.9	44.4	29.0	27.0	8.4
	7370845	YAV120FM10	10.0	15.9	46.4	29.0	27.0	10.5
	7370850	YAV120FM12	12.0	15.9	49.4	29.0	27.0	13.2
	7370855	YAV120FM14	14.0	15.9	49.4	29.0	27.0	15.0
	7370860	YAV120FM16	16.0	15.9	52.4	29.0	27.0	17.0
150	7370865	YAV120FM20	20.0	15.9	58.4	31.7	27.0	21.0
	7370870	YAV150M10	10.0	16.5	52.3	30.4	27.0	10.5
	7370875	YAV150M12	12.0	16.5	55.3	30.4	27.0	13.2
	7370880	YAV150M14	14.0	16.5	55.3	30.4	27.0	15.0
	7370885	YAV150M16	16.0	16.5	58.3	30.4	27.0	17.0
	7370890	YAV150M20	20.0	16.5	64.3	30.4	27.0	21.0
Flex 150	7370895	YAV150FM10	10.0	17.8	55.9	32.8	28.6	10.5
	7370900	YAV150FM12	12.0	17.8	58.9	32.8	28.6	13.2
	7370905	YAV150FM14	14.0	17.8	58.9	32.8	28.6	15.0
	7370910	YAV150FM16	16.0	17.8	61.9	32.8	28.6	17.0
	7370915	YAV150FM20	20.0	17.8	67.9	32.8	28.6	21.0

Copper tubular lugs
from 0.3 to 1000 mm²

General features

- Electrolytic copper
 - Electrolytic plating process
 - Funnel entry
- Performance
- Heat resistant up to +125 °C



According to
IEC-61238

YAV series



Tooling : see pages 177-208

Conductor size (mm ²)	Item code	Part number	Stud size	Dimensions (mm)				
				Ød	y	b	c	Øk
185	7370920	YAV185M10	10.0	18.4	61.8	35.7	30.2	10.5
	7370925	YAV185M12	12.0	18.4	64.8	35.7	30.2	13.2
	7370930	YAV185M14	14.0	18.4	64.8	35.7	30.2	15.0
	7370935	YAV185M16	16.0	18.4	67.8	35.7	30.2	17.0
	7370940	YAV185M20	20.0	18.4	73.8	35.7	30.2	21.0
Flex 185	7370945	YAV185FM10	10.0	19.4	61.8	35.7	30.2	10.5
	7370950	YAV185FM12	12.0	19.4	64.8	35.7	30.2	13.2
	7370955	YAV185FM14	14.0	19.4	64.8	35.7	30.2	15.0
	7370960	YAV185FM16	16.0	19.4	67.8	35.7	30.2	17.0
	7370965	YAV185FM20	20.0	19.4	73.8	35.7	30.2	21.0
240	7370970	YAV240M10	10.0	21.2	68.2	39.6	34.9	10.5
	7370975	YAV240M12	12.0	21.2	71.2	39.6	34.9	13.2
	7370980	YAV240M14	14.0	21.2	71.2	39.6	34.9	15.0
	7370985	YAV240M16	16.0	21.2	74.2	39.6	34.9	17.0
	7370990	YAV240M20	20.0	21.2	80.2	39.6	34.9	21.0
Flex 240	7370995	YAV240FM10	10.0	22.0	73.4	41.0	36.0	10.5
	7371000	YAV240FM12	12.0	22.0	76.4	41.0	36.0	13.2
	7371005	YAV240FM14	14.0	22.0	76.4	41.0	36.0	15.0
	7371010	YAV240FM16	16.0	22.0	79.4	41.0	36.0	17.0
	7371015	YAV240FM20	20.0	22.0	85.4	41.0	36.0	21.0
300	7371020	YAV300M12	12.0	23.4	77.3	43.0	43.0	13.2
	7371025	YAV300M14	14.0	23.4	78.3	43.0	43.0	15.0
	7371030	YAV300M16	16.0	23.4	80.3	43.0	43.0	17.0
	7371035	YAV300M20	20.0	23.4	86.3	43.0	43.0	21.0
	7371040	YAV300FM12	12.0	24.2	81.4	45.0	43.0	13.2
Flex 300	7371045	YAV300FM14	14.0	24.2	82.4	45.0	43.0	15.0
	7371050	YAV300FM16	16.0	24.2	84.4	45.0	43.0	17.0
	7371055	YAV300FM20	20.0	24.2	90.4	45.0	43.0	21.0
	7371060	YAV350M12	12.0	25.0	77.3	46.0	43.0	13.2
350	7371065	YAV350M16	16.0	25.0	80.3	46.0	43.0	17.0
	7371070	YAV350M20	20.0	25.0	86.3	46.0	43.0	21.0
	7371075	YAV375M12	12.0	26.2	81.3	48.0	43.0	13.2
375.0	7371080	YAV375M16	16.0	26.2	84.3	48.0	43.0	17.0
	7371085	YAV375M20	20.0	26.2	90.3	48.0	43.0	21.0
	7371090	YAV400M12	12.0	26.7	81.3	49.5	43.0	13.2
400	7371095	YAV400M14	14.0	26.7	82.3	49.5	43.0	15.0
	7371100	YAV400M16	16.0	26.7	84.3	49.5	43.0	17.0
	7371105	YAV400M20	20.0	26.7	90.3	49.5	43.0	21.0
	7371110	YAV400FM12	12.0	27.2	83.6	51.0	44.0	13.2
Flex 400	7371115	YAV400FM14	14.0	27.2	84.6	51.0	44.0	15.0
	7371120	YAV400FM16	16.0	27.2	86.6	51.0	44.0	17.0
	7371125	YAV400FM20	20.0	27.2	92.6	51.0	44.0	21.0
	7371130	YAV500M12	12.0	29.8	87.8	55.1	47.7	13.2
500	7371135	YAV500M14	14.0	29.8	88.8	55.1	47.7	15.0
	7371140	YAV500M16	16.0	29.8	90.8	55.1	47.7	17.0
	7371145	YAV500M20	20.0	29.8	96.8	55.1	47.7	21.0
	7371150	YAV630M16	16.0	33.4	96.7	61.8	51.0	17.0
630	7371155	YAV630M20	20.0	33.4	102.7	61.8	51.0	21.0
	7371160	YAV630FM20	22.0	34.3	104.6	63.0	53.0	21.0
	7371165	YAV630FM22	22.0	34.3	106.6	63.0	53.0	23.8
800	7371170	YAV800M20*	20.0	36.6	114.0	67.5	52.0	21.0
Flex 800	7371175	YA47L*	20.0	39.6	116.4	67.5	52.0	21.0
1000	7371180	YA48L*	20.0	42.2	127.2	77.7	55.0	21.0

* Other stud holes or undrilled palms on demand.
Y46 takes "U" dies with PUADP1 adaptor.
Y39 takes "U" dies with UADP1 adaptor.

Non insulated copper butt splices
from 0.3 to 1000 mm²



General features

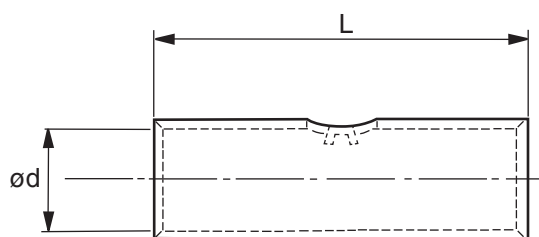
- Electrolytic copper
 - Electrolytic tin plating process
 - Funnel entry
- Performance
- Heat resistant up to +125 °C

According to
IEC-61238

YSV series



Tooling : see pages 177-208



Conductor size (mm ²)	Item code	Part number	Dimensions (mm)	
			Ød	L
0.3 - 1.2	7435600	YSV18	1.4	15.8
1.5 - 2.5	7435605	YSV14	2.3	16.3
4 - 6	7435610	YSV10	3.4	19.1
Flex 6	7435615	YSV06F	3.8	19.1
10	7435620	YSV10M	4.6	26.0
16	7435625	YSV16	5.7	30.0
25	7435630	YSV25M	7.2	32.0
35	7435635	YSV35	8.5	36.0
50	7435640	YSV50	9.5	42.0
Flex 50	7435645	YSV50F	10.0	42.0
70	7435650	YSV70	11.3	45.0
Flex 70	7435655	YSV70F	12.8	45.0
95	7435660	YSV95	13.4	53.0
Flex 95	7435665	YSV95F	14.2	53.0
120	7435670	YSV120	15.0	57.0
Flex 120	7435675	YSV120F	15.9	57.0
150	7435680	YSV150	16.5	60.0
Flex 150	7435685	YSV150F	17.8	60.0
185	7435690	YSV185	18.4	64.0
Flex 185	7435695	YSV185F	19.4	64.0
240	7435700	YSV240	21.2	73.0
Flex 240	7435705	YSV240F	22.0	73.0
300	7435710	YSV300	23.4	73.0
Flex 300	7435715	YSV300F	24.2	73.0
350	7435720	YSV350	25.0	73.0
375	7435725	YSV375	26.2	86.0
400	7435730	YSV400	26.7	86.0
Flex 400	7435735	YSV400F	27.2	98.0
500	7435740	YSV500	29.8	98.0
630	7435745	YSV630	33.3	104.0
Flex 630	7435750	YSV630F	34.4	104.0
800	7435755	YSV800	36.6	114.0
Flex 800	7435760	YS47L	39.6	114.0
1000	7435765	YS48L	42.2	114.0

Non insulated copper parallel butt splices from 0.5 to 120 mm²



According to
IEC-61238

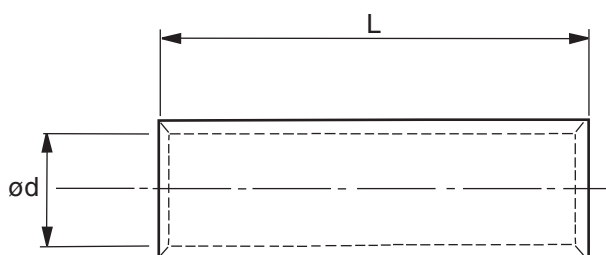
General features

- Electrolytic copper
 - Electrolytic tin plating process
 - Funnel entry
- Performance
- Heat resistant up to +125 °C

YSM series



Tooling : see pages 177-208



Conductor size (mm ²)	Item code	Part number	Dimensions (mm)	
			Ød	L
0.5 - 1	7435900	YSM18	1.6	7.0
1 - 2.5	7435905	YSM14	2.3	7.0
2.5 - 6	7435910	YSM10	3.6	7.0
Flex 6	7435915	YSM6F	3.8	10.7
10	7435920	YSM10	4.6	10.7
16	7435925	YSM16	5.7	11.2
25	7435930	YSM25M	7.2	12.7
35	7435935	YSM35	8.5	15.8
50	7435940	YSM50	9.5	15.8
Flex 50	7435945	YSM50F	10.0	15.8
70	7435950	YSM70	11.3	17.5
Flex 70	7435955	YSM70F	12.8	20.6
95	7435960	YSM95	13.4	20.6
Flex 95	7435965	YSM95F	14.2	20.6
120	7435970	YSM120	15.0	22.4
Flex 120	7435975	YSM120F	15.9	22.4

Non insulated copper tubular reducers



General features

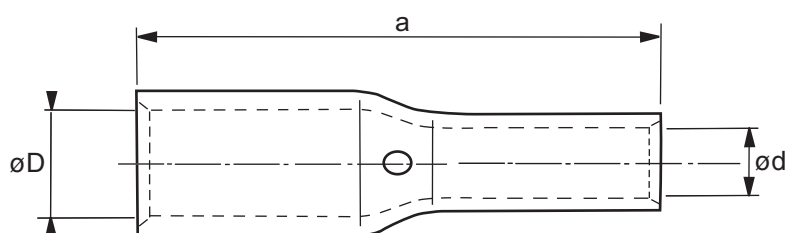
- Electrolytic copper
 - Electrolytic tin plating process
 - Funnel entry
- Performance
- Heat resistant up to +125 °C

According to
IEC-61238

YSV-YRV series



Tooling : see pages 177-208



Conductor size (mm ²)		Item code	Part number	Dimensions (mm)		
D	d			ØD	Ød	a
1.0 - 2.5	0.75 - 1.5	7436000	YSV1418	2.3	1.4	16.3
4	2 - 2.5	7436005	YSV1214G1	2.6	2.3	21.0
4 - 6	1 - 2.5	7436010	YSV1014G2	3.3	2.3	21.0
10	1 - 2.5	7436015	YRV8CV14L	4.6	2.3	25.4
10	4 - 6	7436020	YRV8CV10L	4.6	3.3	30.0
16	4 - 6	7436025	YRV6CV10L	5.7	3.3	32.5
16	10	7436030	YRV6CV8CL	5.7	4.6	30.7
25	16	7436035	YRV4CV6CL	7.2	5.7	32.3
25	10	7436040	YRV4CV8CL	7.2	4.6	32.3
35	16		YRV2CV6CL	9.1	5.7	41.4

Copper tubular lugs with narrow tongue from 10 to 300 mm²



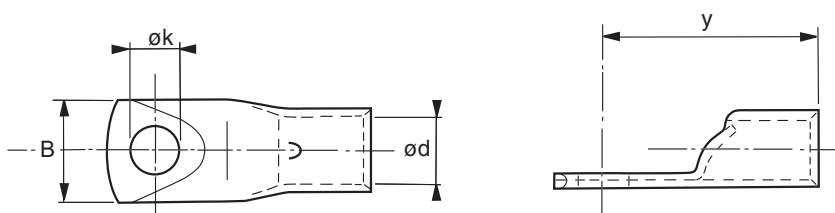
General features

- Electrolytic copper
 - Electrolytic tin plating process
 - Funnel entry
- Performance
- Heat resistant up to +125 °C

According to
IEC-61238

YAV-TNCB series

Tooling : see pages 177-208



Conductor size (mm ²)	Item code	Part number	Stud size	Dimensions (mm)					
				Ød	y	B	c	Øk	
10	7370000	YAV10M5NTCB	M 5	4.6	20.0	9.0	11.5	5.3	
16	7370001	YAV16M5NTCB		5.7	23.0		13.5		
25	7370002	YAV25M5NTCB		7.2	25.5		14.5		
35	7370003	YAV35M6NTCB	M 6	8.5	29.5	11.5	16.5	6.4	
50	7370004	YAV50M6NTCB		9.5	33.5		19.5		
70	7370005	YAV70M6NTCB		11.3	37.5		20.5		
	7370016	YAV70M8NTCB	M 8	13.4	44.5	24.5			
95	7370006	YAV95M8NTCB		M 8	13.4	44.5	15.5	24.5	8.4
120	7370007	YAV120M8NTCB	M 10		15.0	51.0	19.0	26.5	10.5
	7370008	YAV120M10NTCB		15.0	51.0	26.5			
150	7370009	YAV150M8NTCB	M 8	16.2	61.0	24.5	28.0	8.4	
	7370010	YAV150M10NTCB	M 10	18.0	68.0		29.7	10.5	
185	7370011	YAV185M10NTCB		M 10	18.0	68.0	24.5	29.7	10.5
	7370012	YAV240M10NTCB	20.6		71.0	31.0		34.5	13.2
240	7370013	YAV240M12NTCB	M 12	20.6	74.0		31.0	34.5	13.2
	7370014	YAV240M16NTCB	M 16	20.6	77.0			17.0	
300	7370015	YAV300M12NTCB	M 12	23.1	83.0	24.5	42.5	13.2	

Long barrel copper tubular lugs
from 10 to 630 mm²



General features

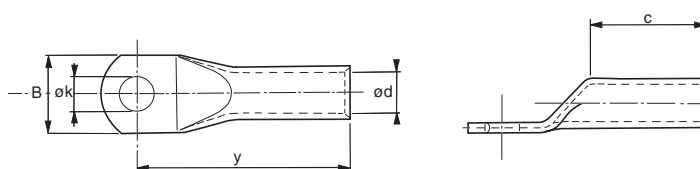
- Electrolytic copper
 - Electrolytic tin plating process
 - Funnel entry
- Performance
- Heat resistant up to +125 °C

According to
IEC-61238

YAV V series

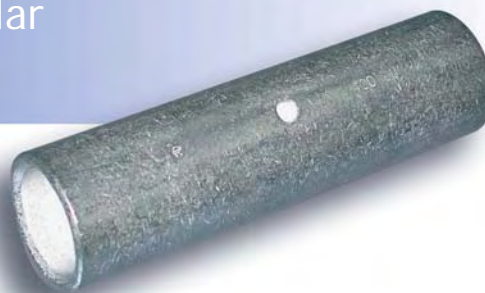


Tooling : see pages 177-208



Conductor size (mm ²)	Item code	Part number	Stud size	Dimensions (mm)				
				Ød	y	B	c	Øk
10	7371300	YAV10M8V	8	4.6	38.4	14.3	24.6	8.4
16	7371305	YAV16M8V	8	5.7	43.6	15.0	28.6	8.4
25	7371310	YAV25M8V	8	7.2	45.5	15.9	29.0	8.4
	7371315	YAV25M10V	10	7.2	47.5	15.9	29.0	10.5
35	7371320	YAV25M12V	12	7.2	50.5	18.5	29.0	13.2
	7371325	YAV35M8V	8	8.5	49.4	15.9	31.7	8.4
	7371330	YAV35M10V	10	8.5	51.4	15.9	31.7	10.5
50	7371335	YAV35M12V	12	8.5	54.4	19.8	31.7	13.2
	7371340	YAV50M8V	8	9.5	54.3	18.2	36.0	8.4
	7371345	YAV50M10V	10	9.5	56.3	18.2	36.0	10.5
70	7371350	YAV50M12V	12	9.5	59.3	19.8	36.0	13.2
	7371355	YAV70M10V	10	11.3	61.0	21.4	36.0	10.5
	7371360	YAV70M12V	12	11.3	63.0	22.4	36.0	13.2
	7371365	YAV70M14V	14	11.3	65.6	22.4	36.0	15.0
95	7371370	YAV70M16V	16	11.3	67.6	22.4	36.0	17.0
	7371375	YAV95M10V	10	13.4	68.6	25.0	42.0	10.5
	7371380	YAV95M12V	12	13.4	71.6	25.0	42.0	13.2
	7371385	YAV95M14V	14	13.4	73.2	25.0	42.0	15.0
120	7371390	YAV95M16V	16	13.4	75.2	25.0	42.0	17.0
	7371395	YAV120M10V	10	15.0	71.3	29.0	44.0	10.5
	7371400	YAV120M12V	12	15.0	74.3	29.0	44.0	13.2
	7371405	YAV120M14V	14	15.0	75.9	29.0	44.0	15.0
	7371410	YAV120M16V	16	15.0	77.9	29.0	44.0	17.0
150	7371415	YAV150M10V	10	16.5	85.4	30.4	50.0	13.2
	7371420	YAV150M12V	12	16.5	89.0	30.4	50.0	15.0
	7371425	YAV150M14V	14	16.5	90.0	30.4	50.0	17.0
	7371430	YAV150M16V	16	16.5	94.4	30.4	50.0	21.0
185	7371435	YAV185M12V	12	18.4	88.6	35.7	52.0	13.2
	7371440	YAV185M14V	14	18.4	92.2	35.7	52.0	15.0
	7371445	YAV185M16V	16	18.4	93.2	35.7	52.0	17.0
	7371450	YAV185M20V	20	18.4	94.4	35.7	52.0	21.0
240	7371455	YAV240M12V	12	21.2	98.1	39.6	57.2	13.2
	7371460	YAV240M14V	14	21.2	101.7	39.6	57.2	15.0
	7371465	YAV240M16V	13	21.2	102.7	39.6	57.2	17.0
	7371470	YAV240M20V	20	21.2	107.1	39.6	57.2	21.0
300	7371475	YAV300M14V	14	23.4	107.7	43.0	68.0	15.0
	7371480	YAV300M16V	16	23.4	109.7	43.0	68.0	17.0
	7371485	YAV300M20V	20	23.4	111.3	43.0	68.0	21.0
400	7371490	YAV400M14V	14	26.7	116.9	51.0	73.2	15.0
	7371495	YAV400M16V	16	26.7	118.9	51.0	73.2	17.0
	7371500	YAV400M20V	20	26.7	120.5	51.0	73.2	21.0
500	7371505	YAV500M16V	16	29.8	123.7	55.1	76.2	17.0
	7371510	YAV500M20V	20	29.8	125.3	55.1	76.2	21.0
630	7371515	YAV630M16V	16	33.3	128.1	61.8	81.0	17.0
	7371520	YAV630M20V	20	33.3	129.7	61.8	81.0	21.0

Non insulated long copper tubular splices from 10 to 630 mm²



According to
IEC-61238

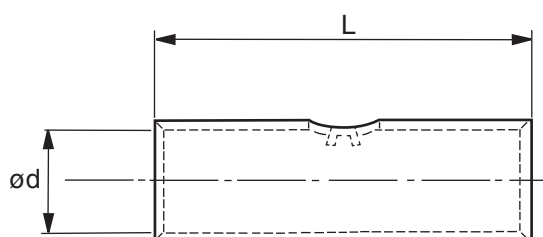
General features

- Electrolytic copper
 - Electrolytic tin plating process
 - Funnel entry
- Performance
- Heat resistant up to +125 °C

YSV V series



Tooling : see pages 177-208



Conductor size (mm ²)	Item code	Part number	Dimensions (mm)	
			d	L
10	7435800	YSV10MV	4.6	45.0
16	7435805	YSV16V	5.7	48.0
25	7435810	YSV25V	7.2	53.0
35	7435815	YSV35V	8.5	57.0
50	7435820	YSV50V	9.5	66.0
70	7435825	YSV70V	11.3	66.0
95	7435830	YSV95V	13.4	74.0
120	7435835	YSV120V	15.0	82.0
150	7435840	YSV150V	16.5	86.0
185	7435845	YSV185V	18.4	100.0
240	7435850	YSV240V	21.2	108.0
300	7435855	YSV300V	23.4	124.0
400	7435860	YSV400V	26.7	124.0
500	7435865	YSV500V	29.8	130.0
630	7435870	YSV630V	33.3	145.0

Copper tubular lugs from 4 to 70 mm²



Compliant with IEC 61238-1

General features

- Electrolytic tin-plating process.
- Other plating on request.
- Funnel entry.

Note: the conductor sizes of the flexible cables mentioned in this table are given for information only, you should always check, considering the different compounds of these cables.

Note: for lugs bent at 45° or 90°, add the suffix 45E or 90E to the part number (example: CU50-12-90E).

CU series



Tooling : see pages 177-208



Conductor size (mm ²)	Item code	Part number	Packing	Hole Ø (mm)	Dimensions (mm)							Type of dies
					W	Øi	Øe	C1	C2	a	L	
4 - 6	7 365 055	CU 6-3	100	3	9.4	3.3	5	6.5	7	9	26	..ECU 6
	7 365 065	CU 6-3,5	100	3.5	9.4	3.3	5	6.5	7	9	26	
	7 365 075	CU 6-4	100	4	9.4	3.3	5	6.5	7	9	26	
	7 365 090	CU 6-5	100	5	9.4	3.3	5	6.5	7	9	26	
	7 365 105	CU 6-6	100	6	11	3.3	5	6.5	7	9	26	
	7 365 120	CU 6-8	100	8	11	3.3	5	6.5	7	9	26	
10	7 365 135	CU 6-10	100	10	16	3.3	5	10	11	9	33.5	..ECU 10
	7 365 150	CU 10-4	100	4	11	4.6	6.8	4	4.3	9.5	23.5	
	7 365 165	CU 10-5	100	5	11	4.6	6.8	5	5.3	9.5	25.5	
	7 365 180	CU 10-6	100	6	11	4.6	6.8	6	6.3	9.5	27.5	
	7 365 195	CU 10-8	100	8	15	4.6	6.8	8	8.3	9.5	31.5	
	7 365 210	CU 10-10	100	10	15	4.6	6.8	10	10.3	9.5	35.5	
16	7 365 225	CU 10-12	100	12	17	4.6	6.8	11.5	12.8	9.5	39.5	..ECU 16
	7 365 250	CU 16-4	100	4	12	5.8	8	4	4.3	11	25.5	
	7 365 265	CU 16-5	100	5	12	5.8	8	5	5.3	11	27.5	
	7 365 280	CU 16-6	100	6	12	5.8	8	6	6.3	11	29.5	
	7 365 295	CU 16-8	100	8	16	5.8	8	8	8.3	11	33.5	
	7 365 310	CU 16-10	100	10	16	5.8	8	10	10.3	11	37.5	
25	7 365 325	CU 16-12	100	12	17	5.8	8	9.2	13	13.5	41	..ECU 25
	7 365 350	CU 25-4	50	4	14	7	9.5	4	4.3	11.5	27	
	7 365 365	CU 25-5	50	5	14	7	9.5	5	5.3	11.5	29	
	7 365 380	CU 25-6	50	6	14	7	9.5	6	6.3	11.5	31	
	7 365 395	CU 25-8	50	8	18	7	9.5	8	8.3	11.5	35	
	7 365 410	CU 25-10	50	10	18	7	9.5	10	10.3	11.5	39	
35	7 365 425	CU 25-12	50	12	18	7	9.5	11.5	12.8	11.5	43	..ECU 35
	7 365 440	CU 25-14	50	14	23	7	9.5	17	18.3	11.5	54	
	7 365 475	CU 35-5	50	5	17	8.9	11.8	5	5.3	14	33	
	7 365 490	CU 35-6	50	6	17	8.9	11.8	6	6.3	14	35	
	7 365 505	CU 35-8	50	8	17	8.9	11.8	8	8.3	14	39	
	7 365 520	CU 35-10	50	10	19	8.9	11.8	10	10.3	14	43	
50	7 365 535	CU 35-12	50	12	19	8.9	11.8	11.5	12.8	14	47	..ECU 50
	7 365 575	CU 50-6	50	6	19	10	13	6	6.3	17	39	
	7 365 590	CU 50-8	50	8	19	10	13	8	8.3	17	43	
	7 365 605	CU 50-10	50	10	19	10	13	10	10.3	17	47	
	7 365 620	CU 50-12	50	12	22	10	13	11.5	12.8	17	51	
	7 365 635	CU 50-14	50	14	22	10	13	14	14.3	17	55	
70	7 365 650	CU 50-16	50	16	25	10	13	15	16.3	17	58	..ECU 70
	7 365 675	CU 70-6	50	6	22	11.3	14.6	8	8.3	19	46	
	7 365 690	CU 70-8	50	8	22	11.3	14.6	8	8.3	19	46	
	7 365 705	CU 70-10	50	10	22	11.3	14.6	10	10.3	19	50	
	7 365 720	CU 70-12	50	12	22	11.3	14.6	11.5	12.8	19	54	
	7 365 735	CU 70-14	50	14	26	11.3	14.6	14	14.3	19	58	
	7 365 750	CU 70-16	50	16	26	11.3	14.6	15	16.3	19	61	

Copper butt connectors



General features

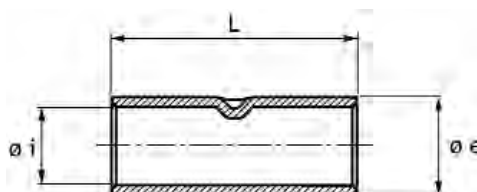
- Electrolytic tin-plating process.
- Other plating on request.
- Funnel entry.

Compliant with **IEC 61238-1**

CUM series



Tooling : see pages 177-208



Conductor size (mm ²)		Item code	Part number	Packing	Dimensions (mm)			Type of dies ☐
Rigid	Flexible				Øi	Øe	L	
4 - 6		7 434 891	CUM 6	100	3.6	5.2	22	..ECU 6
10		7 434 901	CUM 10	100	4.6	6.8	25	..ECU 10
16		7 434 911	CUM 16	100	5.8	8	27	..ECU 16
25		7 434 921	CUM 25	50	7	9.5	29	..ECU 25
35	25	7 434 931	CUM 35	50	8.9	11.8	33	..ECU 35
50	35	7 434 941	CUM 50	50	10	13	37	..ECU 50
70	50	7 434 951	CUM 70	50	11.3	14.6	39	..ECU 70
95	70	7 434 961	CUM 95	25	13.5	17.5	43	..ECU 95
120	95	7 434 971	CUM 120	25	15.2	19.7	47	..ECU 120
150	120	7 434 981	CUM 150	10	16.7	21.5	58	..ECU 150
185	150	7 434 991	CUM 185	10	19	24.5	64	..ECU 185
240	185	7 435 001	CUM 240	10	21	27.3	75	..ECU 240
300	240	7 435 011	CUM 300	10	23.7	30.7	90	..ECU 300
400	300	7 435 021	CUM 400	5	27	35	94	..ECU 400

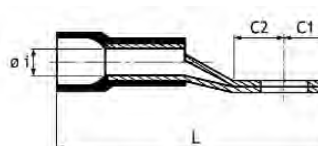
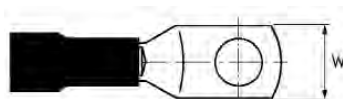
Preinsulated copper tubular lugs for flexible cables

General features

- Material: tin-plated copper.
- Insulation sleeve: nylon.



Tooling : see pages 177-198



Conductor size (mm ²)	Item code	Part number	Packing	Insulation max Ø (mm)	Hole Ø (mm)	Dimensions (mm)					Tooling
						W	L	Øi	C1	C2	
10	7 391 010	PR10-4CU	100	8	4	11	34.5	4.6	5.3	3.8	MY 70ME MY 286
	7 391 020	PR10-5CU	100		5	11	36.5		6.3	4.8	
	7 391 030	PR10-6CU	100		6	11	38.5		7.3	5.8	
	7 391 040	PR10-8CU	100		8	15	42.5		9.3	7.8	
	7 391 050	PR10-10CU	100		10	15	46.5		11.3	9.8	
16	7 391 100	PR16-4CU	100	9.4	4	12	38	5.8	5.3	3.8	
	7 391 110	PR16-5CU	100		5	12	40		6.3	4.8	
	7 391 120	PR16-6CU	100		6	12	42		7.3	5.8	
	7 391 130	PR16-8CU	100		8	16	46		9.3	7.8	
	7 391 140	PR16-10CU	100		10	16	50		11.3	9.8	
	7 391 150	PR16-12CU	100		12	17	53.5		14.3	8.9	
25	7 391 160	PR25-4CU	100	11.5	4	14	41.5	7	5.3	3.8	
	7 391 170	PR25-5CU	100		5	14	43.5		6.3	4.8	
	7 391 180	PR25-6CU	100		6	14	45.5		7.3	5.8	
	7 391 190	PR25-8CU	100		8	18	49.5		9.3	7.8	
	7 391 200	PR25-10CU	100		10	18	53.5		11.3	9.8	
	7 391 210	PR25-12CU	100		12	18	57.5		13.8	11.3	
35	7 391 220	PR25-14CU	100	14	14	23	68.5		19.3	16.8	
	7 391 230	PR35-5CU	50		5	17	48.5	8.9	6.3	4.8	
	7 391 240	PR35-6CU	50		6	17	50.5		7.3	5.8	
	7 391 250	PR35-8CU	50		8	17	54.5		9.3	7.8	
	7 391 260	PR35-10CU	50		10	19	58.5		11.3	9.8	
	7 391 270	PR35-12CU	50		12	19	62.5		13.8	11.3	
50	7 391 280	PR35-14CU	50	15.5	14	23	66.5		15.3	13.8	
	7 391 290	PR50-6CU	50		6	19	57	10	7.3	5.8	
	7 391 300	PR50-8CU	50		8	19	61		9.3	7.8	
	7 391 310	PR50-10CU	50		10	19	65		11.3	9.8	
	7 391 320	PR50-12CU	50		12	22	69		13.8	11.3	
	7 391 330	PR50-14CU	50		14	22	73		15.3	13.8	
70	7 391 340	PR50-16CU	50	18	16	25	76		17.3	14.8	
	7 391 350	PR70-6CU	25		6	22	67	11.3	9.3	7.8	
	7 391 360	PR70-8CU	25		8	22	67		9.3	7.8	
	7 391 370	PR70-10CU	25		10	22	71		11.3	9.8	
	7 391 380	PR70-12CU	25		12	22	75		13.8	11.3	
	7 391 390	PR70-14CU	25		14	26	79		15.3	13.8	
95	7 391 400	PR70-16CU	25	20	16	26	82		17.3	14.8	
	7 391 410	PR95-6CU	25		6	26	71.5	13.5	9.3	7.8	
	7 391 420	PR95-8CU	25		8	26	71.5		9.3	7.8	
	7 391 430	PR95-10CU	25		10	26	75.5		11.3	9.8	
	7 391 440	PR95-12CU	25		12	26	79.5		13.8	11.3	
	7 391 450	PR95-14CU	25		14	26	83.5		15.3	13.8	
	7 391 460	PR95-16CU	25		16	30	86.5		17.3	14.8	
	7 391 470	PR95-18CU	25		18	30	95.5		21.3	19.8	
120	7 391 480	PR95-20CU	25	23	20	30	95.5		21.3	19.8	
	7 390 525	PR120-8F	20		8	31	95	17	14	14	
	7 390 526	PR120-10F	20		10	31	95		14	14	
	7 390 527	PR120-12F	20		12	31	98		16	14	
	7 390 528	PR120-14F	20		14	31	98		16	15	
7 390 529	PR120-16F	20	16	31	98		16	15			

Preinsulated tubular terminals
from 0.3 to 120 mm²



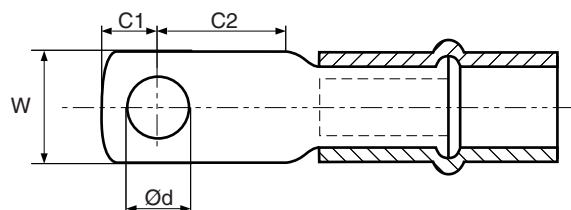
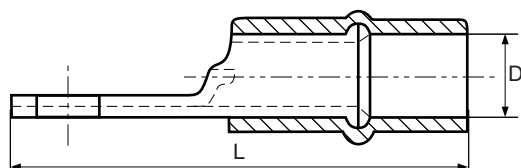
General features

- Electrolytic tin plated copper tube with colour coded polyamide insulation
- Heat resistant up to +105°C

YAEV line



Tooling : see pages 177-198



Section (mm ²)	Item code	Part number	Dimensions (mm)						Type of dies 	
			Ø d	D	W	C1	C2	L		
0.3 - 1.2	7392000	YAEV18	5.3	3.2	8.0	4.1	6.6	24.6	...ET	
	7392005	YAEV025M35	3.7	4.0	6.4	3.1	4.6	24.6		
1.5 - 2.5	7392010	YAEV025M4	4.3		8.0	3.8	6.1	24.6		
	7392015	YAEV025M5	5.3		24.6					
	7392020	YAEV025M6	6.4		10.7	6.1	8.1	29.7		
	7392025	YAEV14T3	8.4		11.2	29.7				
	7392030	YAEV06M35	3.7		7.6	4.1	6.6	30.9	...ET	
4 - 6	7392035	YAEV06M4	4.3	9.6	4.8	7.1	31.9			
	7392040	YAEV06M5	5.3	10.0	4.8	7.1	31.9			
	7392045	YAEV06M6	6.4	11.0	5.8	9.1	34.9			
	7392050	YAEV06M8	8.4	13.0	6.8	9.9	34.9			
	7392055	YAEV10T4	10.5	14.0	7.1	8.9	34.9			
	7392060	YAEV10M4	4.3	6.7	10.3	10.3	5.4	28.4	...ET	
10	7392065	YAEV10M5	5.3		6.4		29.9			
	7392070	YAEV10M6	6.4		11.1	6.0	7.4	31.4		
	7392075	YAEV10M8	8.4		14.3	14.3	9.4	35.4		
	7392080	YAEV10M10	10.5		11.4	39.4				
	7392085	YAEV10M12	13.2		18.5	12.0	14.4	44.4		
	7392090	YAEV16M5	5.3	8.0	12.7	12.7	6.4	35.4	...ET	
16	7392095	YAEV16M6	6.4		7.4		36.9			
	7392100	YAEV16M8	8.4		15.0	15.0	9.4	40.9		
	7392105	YAEV16M10	10.5		11.4	44.9				
	7392110	YAEV16M12	13.2		18.5	12.0	14.4	49.9		
	7392115	YAEV25M5	5.3		13.9	13.9	6.4	38.2		...ET
25	7392120	YAEV25M6	6.4	7.4	39.7					
	7392125	YAEV25M8	8.4	15.9	15.9	9.4	43.2			
	7392130	YAEV25M10	10.5	11.4	47.2					
	7392135	YAEV25M12	13.2	18.5	12.0	14.4	52.2			
	7392140	YAEV35M5	5.3	11.8	15.9	6.5	6.4	44.9	...ET	
35	7392145	YAEV35M6	6.4			7.0	7.4	46.4		
	7392150	YAEV35M8	8.4			8.0	9.4	49.4		
	7392155	YAEV35M10	10.5			10.0	11.4	53.4		
	7392160	YAEV35M12	13.2			19.8	12.0	14.4		58.4

Preinsulated tubular terminals from 0.3 to 120 mm²



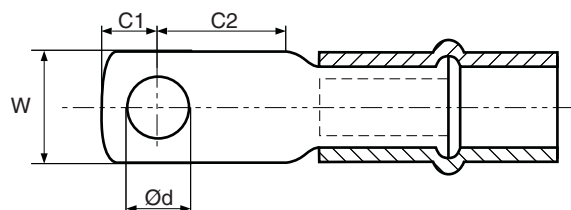
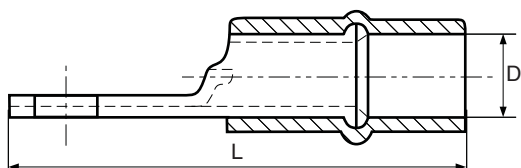
General features


- Electrolytic tin plated copper tube with colour coded polyamide insulation
- Heat resistant up to +105°C

YAEV line



Tooling : see pages 177-198



Section (mm ²)	Item code	Part number	Dimensions (mm)						Type of dies 
			Ø d	D	W	C1	C2	L	
50		YAEV50M5	5.3	13.2	18.2	7.0	6.4	46.9	...ET
		YAEV50M6	6.4			7.5	7.4	48.4	
		YAEV50M8	8.4			9.0	9.4	51.9	
		YAEV50M10	10.5			10.0	11.4	54.9	
		YAEV50M12	13.2			12.0	14.4	59.9	
70		YAEV70M5	5.3	14.5	21.4	7.0	6.4	50.4	...ET
		YAEV70M6	6.4			7.5	7.4	51.9	
		YAEV70M8	8.4			9.0	9.4	55.4	
		YAEV70M10	10.5			10.0	11.4	58.4	
		YAEV70M12	13.2			12.0	14.4	14.4	
		YAEV70M14	15.0			14.0			
70F		YAEV70FM6	6.4	16.2	23.8	7.5	7.4	57.9	...ET
		YAEV70FM8	8.4			9.0	9.4	61.4	
		YAEV70FM10	10.5			12.0	12.0	66.4	
		YAEV70FM12	13.2					14.4	
		YAEV70FM14	15.0			14.0			
95		YAEV95M8	8.4	17.85	25.0	9.5	9.4	64.4	...ET
		YAEV95M10	10.5			11.0	11.4	67.9	
		YAEV95M12	13.2			12.0	14.4	14.4	
		YAEV95M14	15.0			14.0	14.0		
		YAEV95M16	17.0					76.4	
120		YAEV120M8	8.4	19.75	29.0	9.5	9.4	68.9	...ET
		YAEV120M10	10.5			11.0	11.4	72.4	
		YAEV120M12	13.2			12.0	14.4	14.4	
		YAEV120M14	15.0			14.0	14.0		
		YAEV120M16	17.0					81.4	
		YAEV120M20	21.0			31.7	16.0	23.4	

Non-insulated copper
brazed terminals 0.5 - 240 mm²



General features

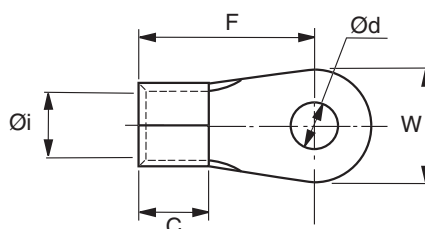
- Range of copper sheet, brazed terminals taking wires from 0.5 to 240 mm²
- Electrolytic copper sheet, electro tinned
- Heat resistant up to +125°C

Compliant with
DIN 46234

BY line



Tooling : see pages 177-198



Section (mm ²)	Stud size	Item code	Part number	Dimensions (mm)				
				Ø d	W	F	C	Ø i
0.5 - 1.5	2.5	7385365	BY1M27D	2.7	6.0	10.8	4.8	1.6
	3.0	7385300	BY1M32D	3.2	6.0	10.8	4.8	1.6
	3.5	7385301	BY1M37D	3.7	6.0	10.8	4.8	1.6
	4.0	7385302	BY1M43D	4.3	8.0	11.8	4.8	1.6
	5.0	7385303	BY1M53D	5.3	10.0	12.8	4.8	1.6
>1.5 - 2.5	6.0	7385304	BY1M65D	6.5	11.0	14.8	4.8	1.6
	3.0	7385306	BY25M32D	3.2	6.0	10.8	4.8	2.3
	3.5	7385307	BY25M37D	3.7	6.0	10.8	4.8	2.3
	4.0	7385308	BY25M43D	4.3	8.0	11.8	4.8	2.3
	5.0	7385309	BY25M53D	5.3	10.0	13.8	4.8	2.3
>4 - 6	6.0	7385310	BY25M65D	6.5	11.0	15.8	4.8	2.3
	8.0	7385311	BY25M84D	8.4	14.0	16.8	4.8	2.3
	4.0	7385313	BY6M43D	4.3	8.0	14.0	6.0	3.6
	5.0	7385314	BY6M53D	5.3	10.0	15.0	6.0	3.6
	6.0	7385315	BY6M65D	6.5	11.0	16.0	6.0	3.6
>6 - 10	8.0	7385316	BY6M84D	8.4	14.0	19.0	6.0	3.6
	10.0	7385317	BY6M105D	10.5	18.0	21.0	6.0	3.6
	4.0	7385366	BY4-10*	4.3	10.0	16.0	8.0	4.5
	5.0	7385318	BY5-10	5.3	10.0	16.0	8.0	4.5
	6.0	7385319	BY6-10	6.5	11.0	17.0	8.0	4.5
>10 - 16	8.0	7385320	BY8-10	8.4	14.0	20.0	8.0	4.5
	10.0	7385321	BY10-10	10.4	18.0	21.0	8.0	4.5
	12.0	7385322	BY12-10	13.0	22.0	23.0	8.0	4.5
	5.0	7385323	BY5-16	5.3	11.0	20.0	10.0	5.8
	6.0	7385324	BY6-16	6.5	11.0	20.0	10.0	5.8
>16 - 25	8.0	7385325	BY8-16	8.4	14.0	22.0	10.0	5.8
	10.0	7385326	BY10-16	10.5	18.0	24.0	10.0	5.8
	12.0	7385327	BY12-16	13.0	22.0	26.0	10.0	5.8
	5.0	7385364	BY5-25	5.3	12.0	25.0	11.0	7.5
	6.0	7385328	BY6-25	6.5	12.0	25.0	11.0	7.5
>25 - 35	8.0	7385329	BY8-25	8.4	16.0	25.0	11.0	7.5
	10.0	7385330	BY10-25	10.5	18.0	26.0	11.0	7.5
	12.0	7385331	BY12-25	13.0	22.0	31.0	11.0	7.5
	14.0	7385367	BY14-25*	15.0	22.0	31.0	11.0	7.5
	16.0	7385368	BY16-25	17.0	28.0	35.0	11.0	7.5
>35 - 50	6.0	7385332	BY6-35	6.5	15.0	26.0	12.0	9.0
	8.0	7385333	BY8-35	8.4	16.0	26.0	12.0	9.0
	10.0	7385334	BY10-35	10.5	18.0	27.0	12.0	9.0
	12.0	7385335	BY12-35	13.0	22.0	31.0	12.0	9.0
	14.0	7385369	BY14-35*	15.0	22.0	31.0	12.0	9.0
	16.0	7385336	BY16-35	17.0	28.0	35.0	12.0	9.0

* Additional product similar to DIN 46234

Non-insulated copper
brazed terminals 0.5 - 240 mm²



General features

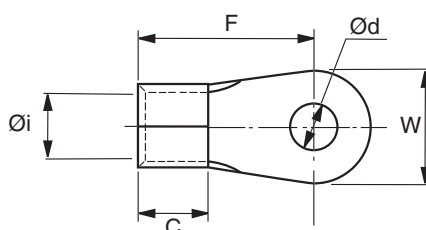
- Range of copper sheet, brazed terminals taking wires from 0.5 to 240 mm²
- Electrolytic copper sheet, electro tinned
- Heat resistant up to +125°C

Compliant with
DIN 46234

BY line



Tooling : see pages 177-198



Section (mm ²)	Stud size	Item code	Part number	Dimensions (mm)				
				Ø d	W	F	C	Ø i
>35 - 50	6.0	7385337	BY6-50	6.5	18.0	34.0	16.0	11.0
	8.0	7385338	BY8-50	8.4	18.0	34.0	16.0	11.0
	10.0	7385339	BY10-50	10.5	18.0	34.0	16.0	11.0
	12.0	7385340	BY12-50	13.0	22.0	36.0	16.0	11.0
	14.0	7385370	BY14-50*	15.0	22.0	36.0	16.0	11.0
>50 - 70	16.0	7385341	BY16-50	17.0	22.0	40.0	16.0	11.0
	8.0	7385343	BY8-70	8.4	22.0	38.0	18.0	13.0
	10.0	7385344	BY10-70	10.5	22.0	38.0	18.0	13.0
	12.0	7385345	BY12-70	13.0	22.0	38.0	18.0	13.0
	14.0	7385371	BY14-70*	15.0	22.0	38.0	18.0	13.0
>70 - 95	16.0	7385346	BY16-70	17.0	28.0	42.0	18.0	13.0
	10.0	7385348	BY10-95	10.5	24.0	42.0	20.0	15.0
	12.0	7385349	BY12-95	13.0	24.0	42.0	20.0	15.0
	14.0	7385372	BY14-95*	15.0	24.0	42.0	20.0	15.0
	16.0	7385350	BY16-95	17.0	28.0	44.0	20.0	15.0
>95 - 120	10.0	7385352	BY10-120	10.5	24.0	44.0	22.0	16.5
	12.0	7385353	BY12-120	13.0	24.0	44.0	22.0	16.5
	14.0	7385373	BY14-120*	15.0	24.0	44.0	22.0	16.5
	16.0	7385354	BY16-120	17.0	28.0	48.0	22.0	16.5
>120 - 150	10.0	7385355	BY10-150	10.5	30.0	50.0	24.0	19.0
	12.0	7385356	BY12-150	13.0	30.0	50.0	24.0	19.0
	14.0	7385374	BY14-150*	15.0	30.0	50.0	24.0	19.0
	16.0	7385357	BY16-150	17.0	30.0	50.0	24.0	19.0
>150 - 185	12.0	7385359	BY12-185	13.0	36.0	50.0	28.0	21.0
	14.0	7385375	BY14-185*	15.0	36.0	50.0	28.0	21.0
	16.0	7385360	BY16-185	17.0	36.0	50.0	28.0	21.0
>185 - 240	12.0	7385362	BY12-240	13.0	38.0	56.0	32.0	23.5
	14.0	7385376	BY14-240*	15.0	38.0	56.0	32.0	23.5
	16.0	7385363	BY16-240	17.0	38.0	56.0	32.0	23.5
>240 - 300	12.0		BY12-300	28.0	80.5	50.5	35.5	13.0
	16.0		BY16-300	28.0	80.5	50.5	35.5	13.0

* Additional product similar to DIN 46234

Non-insulated copper
brazed forks 0.5 - 25 mm²



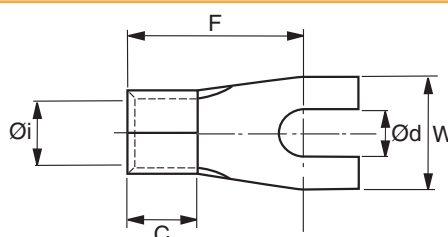
General features

Compliant with
DIN 46234

- Range of copper sheet, brazed terminals taking wires from 0.5 to 25 mm²
- Electrolytic copper sheet, electro tinned
- Heat resistant up to +125°C

BY line

Tooling : see pages 177-198



Section (mm ²)	Stud size	Item code	Part number	Dimensions (mm)				
				Ø d	W	F	C	Ø i
0.5 - 1.5	2.5	7385400	BY1FM27D	2.7	6.0	10.8	4.8	1.9
	3.0	7385401	BY1FM32D	3.2	6.0	10.8	4.8	1.9
	3.5	7385402	BY1FM37D	3.7	6.0	10.8	4.8	1.9
	4.0	7385403	BY1FM43D	4.3	8.0	11.8	4.8	1.9
	5.0	7385404	BY1FM53D	5.3	10.0	12.8	4.8	1.9
	6.0	7385405	BY1FM65D	6.5	11.0	14.8	4.8	1.9
1.5 - 2.5	3.0	7385406	BY25FM32D	3.2	6.0	10.8	4.8	2.3
	3.5	7385407	BY25FM37D	3.7	6.0	10.8	4.8	2.3
	4.0	7385408	BY25FM43D	4.3	8.0	11.8	4.8	2.3
	5.0	7385409	BY25FM53D	5.3	10.0	13.8	4.8	2.3
	6.0	7385410	BY25FM65D	6.5	11.0	15.8	4.8	2.3
	8.0	7385411	BY25FM84D	8.4	14.0	16.8	4.8	2.3
4.0 - 6.0	4.0	7385412	BY6FM43D	4.3	8.0	14.0	6.0	3.6
	5.0	7385413	BY6FM53D	5.3	10.0	15.0	6.0	3.6
	6.0	7385414	BY6FM65D	6.5	11.0	16.0	6.0	3.6
	8.0	7385415	BY6FM84D	8.4	14.0	19.0	6.0	3.6
6.0 - 10.0	6.0	7385416	BY610F	6.5	11.0	17.0	8.0	4.5
10.0 - 16.0		7385417	BY616F	6.5	11.0	20.0	10.0	6.5
16.0 - 25.0		7385418	BY625F	6.5	12.0	25.0	11.0	7.5

Non-insulated silver brazed terminals



General features

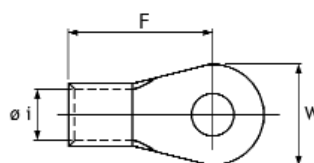
- Material: tin-plated electrolytic copper
- Heat resistance up to 125°C


Compliant with
UL-CSA

MB series



Tooling : see pages 177-198



Conductor size (mm ²)		Item code	Part number	Packing	Hole Ø (mm)	Dimensions (mm)			Type of dies 
Rigid	Flexible					W	F	Øi	
0.25 - 1.5		7 380 000	MB 1,5-3	100	3	5.5	9.8	1.7	Tool MB 524
			MB 1,5-3,5	100	3.5	6.6	11.1	1.7	
		7 380 001	MB 1,5-4	100	4	8	11.8	1.7	
		7 380 002	MB 1,5-5	100	5	8	11.8	1.7	
		7 380 003	MB 1,5-6	100	6	11.6	15.8	1.7	
	7 380 004	MB 1,5-8	100	8	11.6	15.8	1.7		
1.0 - 2.5		7 380 005	MB 2,5-3	100	3	6.6	9.6	2.3	Tool MB 524
			MB 2,5-3,5	100	3.5	6.6	9.6	2.3	
		7 380 006	MB 2,5-4	100	4	8.5	12.6	2.3	
		7 380 021	MB 2,5-5 S	100	5	8.5	12.6	2.3	
		7 380 007	MB 2,5-5	100	5	9.5	12.1	2.3	
		7 380 008	MB 2,5-6	100	6	12	15.8	2.3	
	7 380 009	MB 2,5-8	100	8	12	15.8	2.3		
4 - 6		7 380 028	MB 6-3,5	100	3.5	7.2	12.1	3.4	..MUJ 6-8
		7 380 014	MB 6-4	100	4	9.5	15.1	3.4	
		7 380 015	MB 6-5	100	5	9.5	15.1	3.4	
		7 380 016	MB 6-6	100	6	12	19	3.4	
		7 380 017	MB 6-8	100	8	15	19.5	3.4	
	7 380 018	MB 6-10	100	10	15	19.5	3.4		
6 - 10		7 380 012	MB 8-4	100	4	12	17.8	4.5	..MUJ 6-8.
		7 380 011	MB 8-5	100	5	12	17.8	4.5	
		7 380 010	MB 8-6	100	6	12	17.8	4.5	
		7 380 020	MB 8-8	100	8	15	22.3	4.5	
		7 380 030	MB 8-10	100	10	15	22.3	4.5	
	7 380 035	MB 8-12	100	12	20	23.5	4.5		
10 - 16		7 380 041	MB 14-5	100	5	12	23.8	5.8	..MUJ 14..
		7 380 040	MB 14-6	100	6	12	23.8	5.8	
		7 380 050	MB 14-8	100	8	16	24.7	5.8	
		7 380 060	MB 14-10	100	10	16	24.7	5.8	
	7 380 070	MB 14-12	100	12	22	30.3	5.8		
25 - 35	16 - 26	7 380 080	MB 22-6	50	6	16.5	25.5	7.7	..MUJ 22..
		7 380 090	MB 22-8	50	8	16.5	25.5	7.7	
		7 380 100	MB 22-10	50	10	16.5	25.5	7.7	
		7 380 110	MB 22-12	50	12	22	31.7	7.7	
50	26 - 42	7 380 131	MB 38-6	50	6	15.3	31.4	9.4	..MUJ 38..
		7 380 130	MB 38-8 S	50	8	15.3	31.4	9.4	
		7 380 125	MB 38-8	50	8	22	31.7	9.4	
		7 380 140	MB 38-10 S	50	10	15.3	31.4	9.4	
		7 380 148	MB 38-10	50	10	22	31.7	9.4	
		7 380 150	MB 38-12	50	12	22	31.7	9.4	
70	42 - 60	7 380 169	MB 60-6	50	6	22	38.7	11.4	..MUJ 60..
		7 380 170	MB 60-8	50	8	22	38.7	11.4	
		7 380 180	MB 60-10	50	10	22	38.7	11.4	
		7 380 190	MB 60-12	50	12	22	38.7	11.4	
		7 380 200	MB 60-14	50	14	32	41.5	11.4	
		7 380 201	MB 60-16	50	16	32	41.5	11.4	

Non-insulated silver brazed terminals



Compliant with
UL-CSA

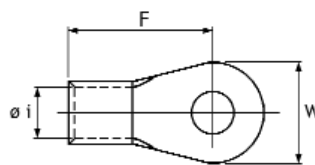
General features


- Material: tin-plated electrolytic copper
- Heat resistance up to 125°C

MB series



Tooling : see pages 177-198



Conductor size (mm ²)		Item code	Part number	Packing	Hole Ø (mm)	Dimensions (mm)			Type of dies 
Rigid	Flexible					W	F	Øi	
95	60 - 78	7 380 210	MB 70-8	50	8	24	38	13.3	..MUJ 70..
		7 380 220	MB 70-10	50	10	24	38	13.3	
		7 380 230	MB 70-12	50	12	24	38	13.3	
		7 380 240	MB 70-14	50	14	32	44	13.3	
		7 380 241	MB 70-16	50	16	32	44	13.3	
120	78 - 96	7 380 250	MB 80-8	25	8	27	40.7	14.5	..MUJ 80..
		7 380 260	MB 80-10	25	10	27	40.7	14.5	
		7 380 270	MB 80-12	25	12	27	40.7	14.5	
		7 380 280	MB 80-14	25	14	32	52	14.5	
		7 380 285	MB 80-16	25	16	32	52	14.5	
150	96 - 120	7 380 290	MB 100-10	25	10	28.5	41.4	16.4	..MUJ 100..
		7 380 300	MB 100-12	25	12	28.5	41.4	16.4	
		7 380 310	MB 100-14	25	14	32	52	16.4	
		7 380 320	MB 100-16	25	16	32	52	16.4	
		7 380 325	MB 100-18	25	18	32	52	16.4	
		7 380 330	MB 100-20	25	20	32	52	16.4	
185	117 - 150	7 380 340	MB 150-10	10	10	36	50	19.5	..MUJ 150
		7 380 350	MB 150-12	10	12	36	50	19.5	
		7 380 360	MB 150-14	10	14	36	50	19.5	
		7 380 370	MB 150-16	10	16	36	50	19.5	
		7 380 375	MB 150-18	10	18	36	63	19.5	
		7 380 380	MB 150-20	10	20	36	63	19.5	

Non-insulated copper brazed wire pins 0.5 - 95 mm²



General features

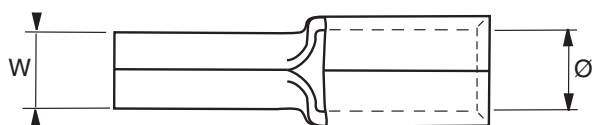
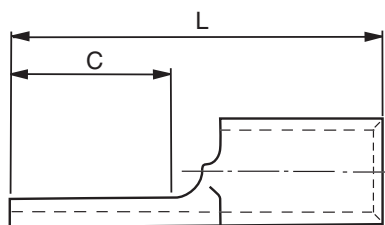
- Range of copper brazed wire pins taking wires from 0.5 to 95 mm²
- Electrolytic copper brazed sheet, electro tinned
- Heat resistant up to +125°C

Compliant with
DIN 46230

BYW-D line



Tooling : see pages 177-198



Section (mm ²)	Item code	Part number	Dimensions (mm)			
			Ø i	W	L	C
> 0.5 - 1.5	7380415	BY1W13D	1.6	1.9	18.3	13.5
>1 - 2.5	7380421	BY25W13D	2.3	1.9	18.3	13.5
>4 - 6	7380422	BY6W13D	3.6	2.7	19.5	13.5
>6 - 10	7380450	BY10W13D	4.7	4.3	22	12
>10 - 16	7380451	BY16W17D	5.8	5.5	26	13
>16 - 25	7380452	BY25W17D	7	6.8	33.5	15
>25 - 35	7380453	BY35W23D	8.8	8	40.5	20
>35 - 50	7380454	BY50W23D	10	9.5	45	20
>50 - 70	7380455	BY70W26D	11.8	11	55	23
>70 - 95	7380427	BY95W26D	13.9	12.5	55	23

Insulated brazed pins



General features

- Material: tin-plated copper.
- Insulation sleeve: polyamide.
- Easy entry.
- Brazed barrel.
- Halogen free.

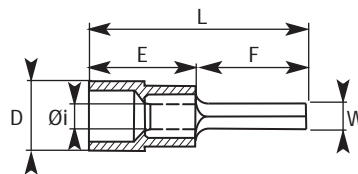
Compliant with **IEC 352-2**

EPR series



Tooling : see pages 177-198

Insulated brazed pins



Conductor size (mm ²)	Packing 100 pieces / box		Dimensions (mm)					
	Item code	Part number	W	F	L	E	Øi	D
10	7 380 407	EPR10-12	4.3	12	34	20	4.5	7.8
16	7 380 408	EPR16-13	5.5	13	40.7	24.7	5.8	10.8
25	7 380 409	EPR25-15	6.8	15	44	24	7	12.4
35	7 380 411	EPR35-20	8	20	52.5	28	8.4	14
50	7 380 412	EPR50-20	9.5	20	59	33	9.6	15.5

Aluminium-copper lugs, hexagonal compression type



General features

Application on industrial networks.

- Friction welded aluminium-copper lugs.
- Aluminium barrel is covered inside with contact grease.
- Crimping by hexagonal compression.

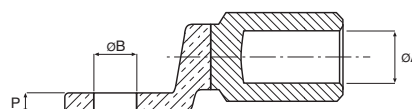
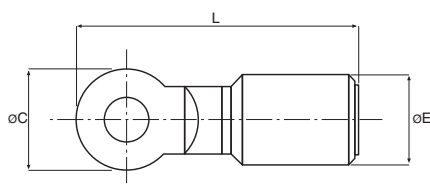
Compliant with **NF C 63-061-Class B**


ICAU and ICAUC series



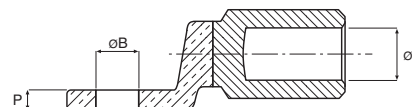
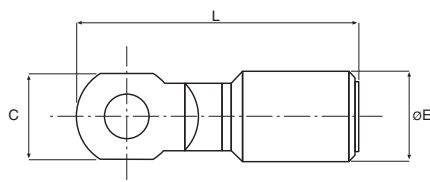
Tooling : see pages 180-198


ICAU serie standard tongue terminals



Aluminium conductor size (mm ²)	Packing / 3 pieces		Dimensions (mm)						Type of dies 
	Item code	Part number	ØA	ØE	ØC	ØB	L	P	
35	7 585 011	ICAU 35	8	16	16.5	8.4	60	4.5	..E 140
50	7 585 021	ICAU 50	9	16	16.5	8.4	60	4.5	..E 140
70	7 585 031	ICAU 70	11	20	20	10.5	64	4.5	..E 173
95	7 585 041	ICAU 95	12.5	20	20	10.5	64	4.5	..E 173
120	7 585 051	ICAU 120	13.7	20	20	10.5	64	4.5	..E 173
150	7 585 062	ICAU 150	15.5	27	30	12.8	82	6	..E 235
185	7 585 072	ICAU 185	17	27	30	12.8	82	6	..E 235
240	7 585 082	ICAU 240	19.5	27	30	12.8	82	6	..E 235
300	7 585 092	ICAU 300	23.3	32	36	14.6	98	7	..X 260

ICAUC serie Narrow tongue terminals



Aluminium conductor size (mm ²)	Packing / 3 pieces		Dimensions (mm)						Type of dies 
	Item code	Part number	ØA	ØE	ØC	ØB	L	P	
150	7586050	ICAUC150M10	15.5	27	25	10.5	78	6	...E 235
	7586051	ICAUC150M12				12.8			
185	7586060	ICAUC185M10	17	27	25	10.5	78	6	...E 235
	7586061	ICAUC185M12				12.8			
240	7586070	ICAUC240M10	19.5	27	30	10.5	78	7	...E 235
	7586071	ICAUC240M12				12.8			
300	7586080	ICAUC300M10	23.3	32	30	10.5	84	7	...X 260
	7586081	ICAUC300M14				14.5			

Other bi-metallic terminations and splices available on request.



Product technical assistance

Our technical and commercial department can advise you on your choice of products

Technical advice

Choice of products

Studies and expertise

Specific solutions

Product training and setting to work



Point of sale display stand



Preinsulated terminals

Preinsulated disconnects
and tabs

End splices

Tubular lugs

Tooling












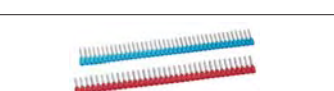


Cable ties

Available
at your distributor

Preinsulated terminals in plastic boxes



Preinsulated terminals in N series with ring, square, fork and locking palm preinsulated pin and blade terminals, preinsulated butt splices, preinsulated brass female disconnects, fully preinsulated, preinsulated male and female cylindrical plugs, self-stripping quick connectors, preinsulated, preinsulated chain, preinsulated "twin" or non insulated end sleeves are available in strip and packed in plastic boxes of 100 pieces.

Description		For item code, part number, technical features, see page:	
Preinsulated ring terminals	<i>N normal series</i>	24	
Preinsulated square terminals	<i>N normal series</i>	28	
Preinsulated fork terminals	<i>N normal series</i>	26	
Preinsulated locking ring terminals	<i>N normal series</i>	30	
Preinsulated pin and blade terminals	<i>N normal series</i>	31	
Preinsulated butt splices	<i>N normal series</i>	39	
Preinsulated female brass disconnects	<i>S double crimp series</i>	32	
Fully preinsulated female disconnects	<i>S double crimp series</i>	33	
Preinsulated male and female cylindrical plugs and pins		38	
Self-stripping quick connectors		39	
Preinsulated end sleeves		55	
Preinsulated end sleeve strips		57	
Preinsulated « Twin » end sleeves		56	
Non insulated end sleeves		54	

Preinsulated terminals in blister packs

Terminals in blister packs

Terminals in blister packs packed in boxes of 10 blister packs

Item code	Part number	Quantity	Part number to be ordered
7 304 013	NA 2-5	8	BL8 NA2-5
7 300 492	NA 2-6	7	BL7 NA2-6
7 304 022	NRGFA2-4	8	BL8 NRGFA2-4
7 301 141	SQMA-6,35	5	BL5 SQMA-6,35
7 301 552	SQA-6,35	5	BL5 SQA-6,35
7 304 071	SQAP-6,35	4	BL4 SQAP-6,35
7 301 582	SFMA 4	4	BL4 SFMA-4
7 301 602	SFFA 4	4	BL4 SFFA-4
7 302 182	NPMJ-1	4	BL4 NPMJ-1
7 304 081	NPRA-1,6	6	BL6 NPRA-1,6
7 304 121	CR110	3	BL3 CR 110



Item code	Part number	Quantity	Part number to be ordered
7 304 131	NB 1-4	8	BL8 NB 1-4
7 304 141	NB 1-5	8	BL8 NB 1-5
7 304 031	NB 2-6	6	BL6 NB 2-6
7 304 151	NB 2-8	7	BL7 NB 2-8
7 304 161	NRGFB 0-4	7	BL7 NRGFB 0-4
7 304 171	NRGFB 1-5	7	BL7 NRGFB 1-5
7 301 052	SQMB-6,35	5	BL5 SQMB-6,35
7 301 562	SQB-6,35	5	BL5 SQB-6,35
7 301 031	SOBP-6,35	4	BL4 SOBP-6,35
7 304 191	SQVB-6,35	4	BL4 SQVB-6,35
7 304 042	SFMB 5	4	BL4 SFMB-5
7 304 052	SFFB 5	4	BL4 SFFB-5
7 302 192	NPMJ-2	4	BL4 NPMJ-2
7 304 201	NPRB-2,3	6	BL6-NPRB-2,3
7 304 211	NPFB-4	6	BL6 NPFB-4
7 304 283	CR 210	3	BL3 CR 210



Item code	Part number	Quantity	Part number to be ordered
7 304 221	NC 1-5	5	BL5 NC 1-5
7 304 231	NC 2-6	4	BL4 NC 2-6
7 304 241	NC 2-8	4	BL4 NC 2-8
7 304 251	NRGFC 1-6	5	BL5 NRGFC 1-6
7 302 102	NPMJ-3	3	BL3 NPMJ-3
7 304 261	NRGFC 1-5	5	BL5 NRGFC 1-5
7 301 422	SQC-6,35	4	BL4 SQC-6,35
7 304 271	NPRC-3,5	4	BL4 NPRC-3,5



Any other quantities of blister packs on request.

Assorted terminal boxes

General features

- Boxes containing a selection of terminals, end splices, sleeves and cable ties for general use.
- Also contain a UNISERT type crimping tool.
- Other selection on request.

Plastic box



Contents			
Part number	Quantity	Part number	Quantity
NA1-4	20	SQMB-6,35	20
NA2-6	15	SQBP-6,35	15
SQA-5	20	SFMB-5	15
SQMA-6,35	20	SFFB-5	15
SOAP-6,35	15	NRPB-2,3	20
NPRA-1,6	20	NPMJ-2	10
SFMA-4	15	NC2-6	10
SFFA-4	15	SQC-6,35	10
NPMJ-1	10	Y6, 35M-2F	5
NB1-5	20	CCD 9-62 P	10
NB2-6	15	UNISERT	1
SQVB-6,35	20		

Dimensions: 325 x 250 x 55 mm.

Item code: 7 310 061

Part number: COF - P

Metal box



Contents			
Part number	Quantity	Part number	Quantity
NA1-4	35	NRGFB1-5	30
NA2-5	35	NPRB-2,3	25
NRGFA2-4	35	SQMB-6,35	20
SQA-6,35	30	SQB-6,35	20
NPMJ-1	25	NPMJ-2	20
NB1-4	30	NC1-5	20
NB1-5	30	NC1-6	20
NB2-6	30	NC2-8	20
NB2-8	30	NPMJ-3	15
NRGFB0-4	30	UNISERT	1

Dimensions: 335 x 190 x 30 mm.

Item code: 7 310 011

Part number: COF - M

General features

- A range of 600 pieces of the most popular types of Polyamide insulated terminals, splices and Fingrips + cable ties and handtool Y10MP

Plastic box with DIN

Part numbers	Quantities	Part numbers	Quantities
BE1M37D	50	BE25W10	50
BE1M43D	50	BE25W13D	50
BE1FM43D	50	BSV25	20
BE1W13D	50	FPYG25	20
BE25M43D	50	FFYG25	50
BE25M53D	50	BE6M65D	20
BE25FM43D	50	BSV1	20
BE25FM53D	50	BSV6	50
TF4D	50	Y10MP	1

Item code	part number
7310100	ASSORT1



Assortment box with tubular lugs and crimping tool



Box containing a selection of terminals CT series and tooling:

Part number	Description	Quantity	Part number	Description	Quantity
6-6C	copper tubular lugs 6 mm ² stud size 6	25	25-10CT	copper tubular lugs 25 mm ² stud size 10	25
6-8C	copper tubular lugs 6 mm ² stud size 8	25	35-8CT	copper tubular lugs 35 mm ² stud size 8	20
10-6CT	copper tubular lugs 10 mm ² stud size 6	25	35-10CT	copper tubular lugs 35 mm ² stud size 10	20
10-8CT	copper tubular lugs cable 10 mm ² stud size 8	25	50-10CT	copper tubular lugs 50 mm ² stud size 10	20
16-8CT	copper tubular lugs cable 16 mm ² stud size 8	25	50-12CT	copper tubular lugs 50 mm ² stud size 12	20
16-10CT	copper tubular lugs cable 16 mm ² stud size 10	25	MD50	crimping tool from 6 to 50 mm ²	1
25-8CT	copper tubular lugs cable 25 mm ² stud size 8	25			

Item code	Part number
7 310 104	COF TN50HX

Box containing a selection of terminals CU series and tooling:

Part number	Description	Quantity	Part number	Description	Quantity
CU6-6	copper tubular lugs 6 mm ² stud size 6	25	CU25-10	copper tubular lugs 25 mm ² stud size 10	25
CU6-8	copper tubular lugs 6 mm ² stud size 8	25	CU35-8	copper tubular lugs 35 mm ² stud size 8	20
CU10-6	copper tubular lugs 10 mm ² stud size 6	25	CU35-10	copper tubular lugs 35 mm ² stud size 10	20
CU10-8	copper tubular lugs 10 mm ² stud size 8	25	CU50-10	copper tubular lugs 50 mm ² stud size 10	20
CU16-8	copper tubular lugs 16 mm ² stud size 8	25	CU50-12	copper tubular lugs 50 mm ² stud size 12	20
CU16-10	copper tubular lugs 16 mm ² stud size 10	25	MD50CU	crimping tool from 6 to 50 mm ²	1
CU25-8	copper tubular lugs 25 mm ² stud size 8	25			

Item code	Part number
7 310 102	COF TN50HXCU

Box containing a selection of terminals DE / YAV-DM series and tooling:

Part number	Description	Quantity	Part number	Description	Quantity
DE6-6SV	copper tubular lugs 6 mm ² stud size 6	25	DE25-10SV	copper tubular lugs 25 mm ² stud size 10	25
DE6-8SV	copper tubular lugs 6 mm ² stud size 8	25	DE35-8SV	copper tubular lugs 35 mm ² stud size 8	20
DE10-6SV	copper tubular lugs 10 mm ² stud size 6	25	DE35-10SV	copper tubular lugs 35 mm ² stud size 10	20
DE10-8SV	copper tubular lugs 10 mm ² stud size 8	25	DE50-10SV	copper tubular lugs 50 mm ² stud size 10	20
DE16-8SV	copper tubular lugs 16 mm ² stud size 8	25	DE50-12SV	copper tubular lugs 50 mm ² stud size 12	20
DE16-10SV	copper tubular lugs 16 mm ² stud size 10	25	MD50DM	crimping tool from 6 to 50 mm ²	1
DE25-8SV	copper tubular lugs 25 mm ² stud size 8	25			

Item code	Part number
7 310 103	COF TN50HXDE

Box containing a selection of terminals YCA series and tooling:

Part number	Description	Quantity	Part number	Description	Quantity
YCA06M5TN	copper tubular lugs 6 mm ² stud size 5	25	YCA025M10TN	cosse tubulaires pour cable 25 mm ² stud size 10	25
YCA06M6TN	copper tubular lugs 6 mm ² stud size 6	25	YCA035M8TN	cosse tubulaires pour cable 35 mm ² stud size 8	20
YCA010M6TN	copper tubular lugs 10 mm ² stud size 6	25	YCA035M10TN	cosse tubulaires pour cable 35 mm ² stud size 10	20
YCA010M8TN	copper tubular lugs 10 mm ² stud size 8	25	YCA050M10TN	cosse tubulaires pour cable 50 mm ² stud size 10	15
YCA016M8TN	copper tubular lugs 16 mm ² stud size 8	25	YCA050M12TN	cosse tubulaires pour cable 50 mm ² stud size 12	15
YCA010M10TN	copper tubular lugs 16 mm ² stud size 10	25	MD50D	crimping tool from de 6 to 50 mm ²	1
YCA025M8TN	copper tubular lugs 25 mm ² stud size 8	25			

Item code	Part number
7 310 107	COF TN50HXD

Special products

Automotive electrical connections



Aeronautic electrical connections



Railway electrical connections



Chain terminals



Customised electrical connection

For any information on specific ranges and customised manufacturing:

please contact us





Earthing and mechanical connectors



Copper tubular lugs



120

Earthing line supports and accessories



121

"C" type connectors



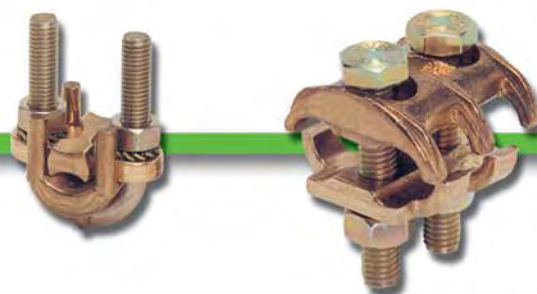
124

Mechanical connectors



125

Cable clamps



128

Earthing and mechanical connectors

Earthing connections



Earthing copper tubular lugs
Tin-plated forged copper lugs



General features

- CDCT series:
Copper tubular lugs
Electrolytic tin-plating process
- HU series:
Tin-plated forged tubular lugs, sealed, hexagonal crimping,
for various applications

Manufacture:

- From 16 to 150 mm²: cold extrusion of the barrel followed by cold impact forging of the palm
- 185 mm² and above: friction welding of a cold extruded barrel and a hot stamped palm

CDCT series



EDF-SEPTEN listed

HU series



Compliant with **NFC 63061** Class A

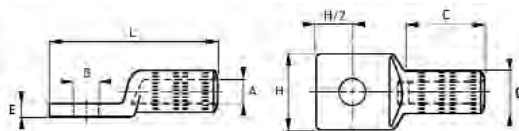
Tooling : see pages 177-201

CDCT series



Conductor size (mm ²)	Packing 50 pieces / box		Hole (mm)	W (mm)	L (mm)	Type of dies
	Item code	Part number				
75	7 341 611	CDCT 70-10,5	10	23.5	75	..HCT 75
	7 341 621	CDCT 70-12,5	12	23.5	81.4	
116	7 341 631	CDCT 116-10,5	10	28.5	85	..HCT 116
	7 341 641	CDCT 116-12,5	12	28.5	91	
	7 341 651	CDCT 116-14,5	14	28.5	93	
	7 341 661	CDCT 116-16,5	16	28.5	95	
147	7 341 681	CDCT 147-12,5	12	31.2	98	..HCT 147
	7 341 691	CDCT 147-14,5	14	31.2	102	
	7 341 701	CDCT 147-16,5	16	31.2	104	
181	7 341 721	CDCT 181-14,5	14	31.2	111	..HCT 181
	7 341 735	CDCT 181-16,5	16	31.2	111	
240	7 341 775	CDCT 240-12	12	39	112	..E 215

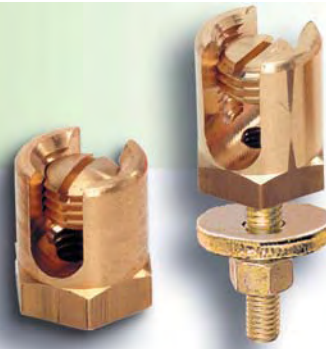
HU series



Conductor size (mm ²)	Item code	Part number	Packing	Dimensions (mm)							Hydraulic tooling		
				A	B	Ø	C	E	H	L	130 KN	200 KN	550 KN
16	7 402 520	16 HU 12	**	5.6	12.8	22	40	7	40	90	U13E180(10)		
25	7 402 521	25 HU 12	**	6.5	12.8	22	40	7	40	90	U13E180(10)		
35	7 402 531	35 HU 12	**	7.5	12.8	22	40	7	40	90	U13E180(10)		
50	7 402 541	50 HU 12	**	9.1	12.8	22	40	7	40	90	U13E180(10)		
70	7 402 551	70 HU 12	**	11.4	12.8	22	40	7	40	90	U13E180(10)		
95	7 402 561	95 HU 12	**	12.8	12.8	22	40	7	40	90	U13E180(10)		
120	7 402 571	120 HU 12	**	14.5	12.8	22	40	7	40	90	U13E180(10)		
150	7 402 581	150 HU 12	**	15.5	12.8	22	40	7	40	90	U13E180(10)		
185	7 402 591	185 HU 12	**	18	12.8	33	40	8	42	106		U21E270(10)	
240	7 402 601	240 HU 12	**	21	12.8	33	40	8	42	106		U21E270(10)	
300	7 402 611	300 HU 12	**	23	12.8	33	40	8	42	106		U21E270(10)	
400	-	400 HU *		26	*	33	45	9.5	60	143		U21E270(10)	
500	-	500 HU *		30	*	40	60	9.5	60	166		U21E330(10)	B55E330(10)
630	-	630 HU *		33	*	53	80	10	80	205			B55E440(15)
800	-	800 HU *		37	*	53	80	10	80	205			B55E440(15)
1 000	-	1 000 HU *		43	*	63	80	10	80	240			B55E520(15)
1 300	-	1 300 HU *		47	*	63	80	10	80	240			B55E520(15)

* Holes machined to order. ** Please ask for details.

Brass earthing line supports



General features

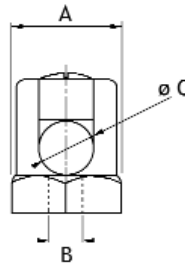
SF series:

- Brass earthing line supports

SF + BM series:

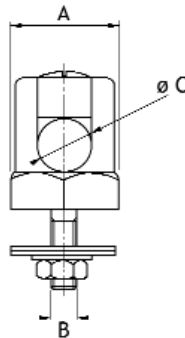
- Brass earthing line supports
- Brass stud and nut and 2 Al-Cu washers

SF series



Item code	Part number	Packing	Dimensions (mm)			Item code	Part number	Packing	Dimensions (mm)		
			A	B	Ø C				A	B	Ø C
7 341 001	SF 66	50	17	M 6	4 to 6	7 341 151	SF 146	20	26	M 6	8 to 14
7 341 011	SF 67	50	17	7 x 150	4 to 6	7 341 161	SF 147	20	26	7 x 150	8 to 14
7 341 021	SF 68	50	17	M 8	4 to 6	7 341 171	SF 148	20	26	M 8	8 to 14
7 341 031	SF 86	50	19	M 6	4 to 8	7 341 181	SF 1410	20	26	M 10	8 to 14
7 341 041	SF 87	50	19	7 x 150	4 to 8	7 341 191	SF 166	20	30	M 6	10 to 16
7 341 051	SF 88	50	19	M 8	4 to 8	7 341 201	SF 167	20	30	7 x 150	10 to 16
7 341 061	SF 810	50	19	M 10	4 to 8	7 341 211	SF 168	20	30	M 8	10 to 16
7 341 071	SF 106	25	21	M 6	6 to 10	7 341 221	SF 1610	20	30	M 10	10 to 16
7 341 081	SF 107	25	21	7 x 150	6 to 10	7 341 231	SF 186	20	32	M 6	18
7 341 091	SF 108	25	21	M 8	6 to 10	7 341 235	SF 187	20	32	7 x 150	18
7 341 101	SF 1010	25	21	M 10	6 to 10	7 341 241	SF 188	20	32	M 8	18
7 341 111	SF 126	25	24	M 6	6 to 12	7 341 271	SF 206	20	36	M 6	20
7 341 121	SF 127	25	24	7 x 150	6 to 12	7 341 281	SF 207	20	36	7 x 150	20
7 341 131	SF 128	25	24	M 8	6 to 12	7 341 291	SF 208	20	36	M 8	20
7 341 141	SF 1210	25	24	M 10	6 to 12	7 341 101	SF 2010	25	36	M 10	20

SF + BM series



Item code	Part number	Packing	Dimensions (mm)			Item code	Part number	Packing	Dimensions (mm)		
			A	B	Ø C				A	B	Ø C
7 341 008	SF 66 + BM	50	17	M 6	4 to 6	7 341 162	SF 147 + BM	25	26	7 x 150	8 to 14
7 341 038	SF 86 + BM	50	17	M 6	4 to 8	7 341 198	SF 166 + BM	10	30	M 6	10 to 16
7 341 078	SF 106 + BM	50	21	M 6	6 to 10	7 341 203	SF 167 + BM	10	30	7 x 150	10 to 16
7 341 118	SF 126 + BM	25	24	M 6	6 to 12	7 341 234	SF 186 + BM	10	32	M 6	18
7 341 122	SF 127 + BM	25	24	7 x 150	6 to 12	7 341 278	SF 206 + BM	10	36	M 6	20
7 341 158	SF 146 + BM	25	26	M 6	8 to 14	7 341 282	SF 207 + BM	10	36	7 x 150	20

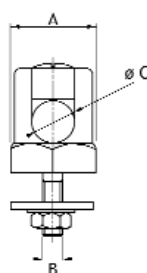
Tin-plated brass earthing line supports Screws and bolts for earthing line supports



General features

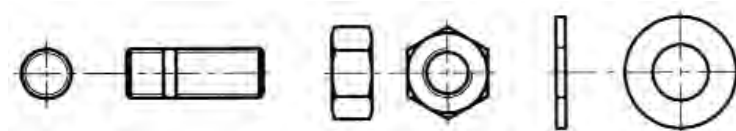
- SF CNM series:
 - Tin-plated brass earthing line supports, with one brass stud, 2 Alu-Cu washers, one brass nut and locknut.
- Screws and bolts for earthing line supports:
 - Brass or zinc-plated steel studs and nuts
 - Zinc-plated steel flat washers.

SF CNM series



Item code	Part number	Packing	Dimensions (mm)			Item code	Part number	Packing	Dimensions (mm)		
			A	B	Ø C				A	B	Ø C
7 341 004	SF 66 CNM	25	17	M 6	4 to 6	7 341 126	SF 127 CNM	25	24	7 x 150	6 to 12
7 341 014	SF 67 CNM	25	17	7 x 150	4 to 6	7 341 134	SF 128 CNM	25	24	M 8	6 to 12
7 341 024	SF 68 CNM	25	17	M 8	4 to 6	7 341 144	SF 1210 CNM	25	24	M 10	6 to 12
7 341 034	SF 86 CNM	25	19	M 6	4 to 8	7 341 154	SF 146 CNM	10	26	M 6	8 to 14
7 341 044	SF 87 CNM	25	19	7 x 150	4 to 8	7 341 163	SF 147 CNM	10	26	7 x 150	8 to 14
7 341 054	SF 88 CNM	25	19	M 8	4 to 8	7 341 174	SF 148 CNM	10	26	M 8	8 to 14
7 341 064	SF 810 CNM	25	19	M 10	4 to 8	7 341 184	SF 1410 CNM	10	26	M 10	8 to 14
7 341 074	SF 106 CNM	25	21	M 6	6 to 10	7 341 194	SF 166 CNM	10	30	M 6	10 to 16
7 341 084	SF 107 CNM	25	21	7 x 150	6 to 10	7 341 207	SF 167 CNM	10	30	7 x 150	10 to 16
7 341 094	SF 108 CNM	25	21	M 8	6 to 10	7 341 214	SF 168 CNM	10	30	M 8	10 to 16
7 341 104	SF 1010 CNM	25	21	M 10	6 to 10	7 341 224	SF 1610 CNM	10	30	M 10	10 to 16
7 341 114	SF 126 CNM	25	24	M 6	6 to 12						

Screws and bolts for earthing line supports



Type of screws and bolts	Zinc-plated steel			Brass		
	Item code	Part number	Packing	Item code	Part number	Packing
Studs	7 340 906	M6L16, 5 steel		7 340 908	M6L21,5 brass	
	7 340 913	7x150 steel		7 340 912	7x150 brass	
	7 340 907	M8L17 steel		7 340 909	M8L22 brass	
Nuts	7 340 903	HU6 steel		7 340 900	HU6 brass	
	7 340 905	H7x150 steel		7 340 902	H7x150 brass	
	7 340 904	HU8 steel		7 340 901	HU8 brass	
Flat washers	7 340 910	6x18x1,2 steel				
	7 340 914	6x24x1,2 steel				
	7 340 911	8x18x1,5 steel				
	7 340 915	8x22x1,5 steel				
	7 340 916	8,25x30x1,5 steel				

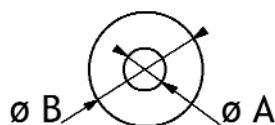
Bimetal (Aluminium-Copper) washers and plates

General features

- BI series:
Washers for earthing line supports
 - PBST 2 series:
Washers for earthing contact shoe
 - PBST 1 series:
Plates for earthing contact shoe
- Bimetal material: Aluminium-Copper

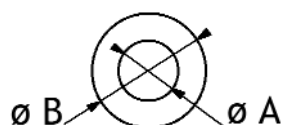


BI series



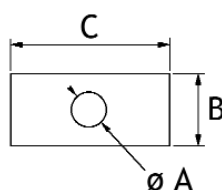
Packing 100 pieces / box		Ø A (mm)	Ø B (mm)	Thickness (mm)
Item code	Part number			
7 341 531	BI 30-6	6.5	30	2
7 341 541	BI 30-8	8.5	30	2
7 341 551	BI 30-10	10.5	30	2
7 341 555	BI 30-13	13	30	2
7 341 556	BI 30-14	14.6	30	2

PBST 2 series



Packing 100 pieces / box		Ø A (mm)	Ø B (mm)	Thickness (mm)
Item code	Part number			
7 341 561	PBST 2-14	14.5	27	1
7 341 571	PBST 2-16	16.5	30	1

PBST 1 series

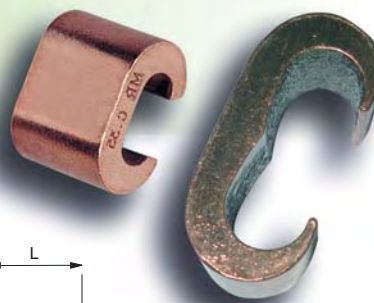


Packing 100 pieces / box		Ø A (mm)	B (mm)	C (mm)	Thickness (mm)
Item code	Part number				
7 341 581	PBST 1-14	14.5	31	51	1
7 341 591	PBST 1-16	16.5	36	55	1

Earthing connections

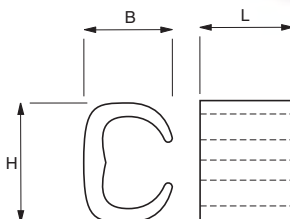


Compression tap-off copper connectors type C



General features

- Crimping tap made of pure electrolytic Cu
- Application
- Joints and taps of Cu-Cu for overhead and grounding connections



According to
IEC-61238

YC series

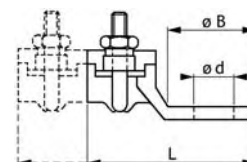
Tooling : see pages 180-198

Copper		Tin plated copper		Sections totales		Allowed conductors				Dimensions (mm)			Die code
item code	part number	item code	part number	min	max	Run conductor		Tap conductor		(mm)			
						mm ²		mm ²		L	H	B	
						min	max	min	max				
7340103	C6 YC10C10	7340104	C6E YC10C10TN	4	12	2.5	6	2.5	6	9	12	6.4	...HCU10
7340132	C10 YC8C8	7340131	C10E YC8C8TN	13	20	6	10	6	10	12	12.5	8.5	...HCU25
7340152	C16 YC4C8	7340151	C16E YC4C8TN	18.5	32	16	25	6	25	17	19	11.5	...HCU70
7340185	C25-10 YC4C6	7340184	C25-10E YC4C6TN	18.5	35	16	25	2.5	16	17	19.8	13	...HCU95
7340180	C25PM YC4C4	7340181	C25PME YC4C4TN	35	41	16	25	16	25	19	21	11.9	...HCU95
7340172	C25 YC2C4	7340171	C25E YC2C4TN	27.5	50	35	40	6	25	20	24.3	15	...HCU150
7340212	C35 YC2C2	7340211	C35E YC2C2TN	51	70	35	40	35	40	20	26.5	15	...HCU150
7340232	C50 YC50C	7340231	C50E YC50CTN	66	100	50	50	16	50	20	26.5	17.2	...HCU150
7340245	C70-35 YC26C2	7340244	C70-35E YC26C2TN	56	105	50	70	6	35	28	33	21	...HCU240
7340255	C70 YC26C26	7340254	C70E YC26C26TN	85	140	50	70	50	70	28	34	21	...HCU240
7340262	C75	7340261	C75E	110	170	75	95	35	75	60	40	26	...CC95
7340285	C95-35 YC28C2	7340284	C95-35E YC28C2TN	101	130	95	100	16	35	30	41	26	...CC95
	YC28C26		YC28C26TN	135	170	95	100	50	70	29	40.6	25	U-F
7340282	C95 YC28C28	7340281	C95E YC28C28TN	150	190	95	100	95	100	30	41	26	...CC95
7340332	C120 YC29C29	7340331	C120E YC29C29TN	155	240	120	120	35	120	30	45	28	...CC150
	YC31C28		YC31C28TN	175	250	150	185	25	100	27	44.1	27.2	U708
7340352	C150 YC150C	7340351	C150E YC150CTN	220	300	150	150	70	150	30	45	28	...CC150
7340374	C185-95	7340372	C185-95E	260	280	185	185	75	95	30	45	28	...CC150
7340370	C185 YC185C	7340371	C185E YC185CTN	215	370	120	185	95	185	35	54	33	...CC185
7340376	C240	7340375	C240E	387	480	240	240	147	240	40	54	33.5	...CC185
	YC240C70		YC240C70TN	160	310	150	240	10	70	22.4	60.8	31.1	...1011
7340392	C240-120 YC240C120		C240-120E YC240C120TN	245	360	150	240	95	120	23	68	32	...1011
	YC240C		YC240CTN	300	480	150	240	150	240	32	74	34	...1011

- : MTR PART NUMBERS IN BLUE
- : SBI PART NUMBERS IN ORANGE

General features

Mechanical brass connectors are normally fitted with 60 KG zinc-plated U bolts. For bronze U bolts please suffix the PN with the letter « B ».



Ring tongue lugs

1BR series



2BR series



Conductor size (mm ²)	Item code	Part number	Packing	Number of U bolts	Ø B (mm)	L (mm)	Ø d (special) (mm)
6 - 50	7 600 401	1BR921	50	1	21	43	9 (11)
6 - 50	7 600 402	1BR921B	50	1	21	43	9 (11)
6 - 70	7 600 411	1BR1125	25	1	25	55	11 (9-13-15)
6 - 70	7 600 412	1BR1125B	25	1	25	55	11 (9-13-15)
16 - 120	7 600 421	1BR1430	10	1	30	64	13 (15)
16 - 120	7 600 422	1BR1430B	10	1	30	64	13 (15)
25 - 150	7 600 431	1BR1632	10	1	32	70	13 (15)
25 - 150	7 600 432	1BR1632B	10	1	32	70	13 (15)
25 - 185	7 600 441	1BR1836	10	1	36	75	13 (15)
25 - 185	7 600 442	1BR1836B	10	1	36	75	13 (15)
70 - 300	7 600 451	1BR2240	10	1	40	85	19 (15-17)
70 - 300	7 600 452	1BR2240B	10	1	40	85	19 (15-17)
6 - 50	7 600 461	2BR921	25	2	21	64	9 (11-13)
6 - 50	7 600 462	2BR921B	25	2	21	64	9 (11-13)
25 - 150	7 600 481	2BR1632	10	2	32	100	13 (15)
25 - 150	7 600 482	2BR1632B	10	2	32	100	13 (15)
70 - 300	7 600 491	2BR2240	10	2	40	114	19 (15-17)
70 - 300	7 600 492	2BR2240B	10	2	40	114	19 (15-17)

Square tongue lugs

1BC series



2BC series



Conductor size (mm ²)	Item code	Part number	Packing	Number of U bolts	Ø B (mm)	L (mm)	Ø d (special) (mm)
6 - 70	7 600 501	1BC253	25	1	30	60	11 (9-13)
6 - 70	7 600 503	1BC253B	25	1	30	60	11 (9-13)
25 - 150	7 600 511	1BC313	25	1	30	68	11 (9-13)
25 - 150	7 600 512	1BC313B	25	1	30	68	11 (9-13)
25 - 150	7 600 521	1BC312	25	1	40	78	13 (15)
25 - 150	7 600 522	1BC312B	25	1	40	78	13 (15)
25 - 185	7 600 531	1BC420	25	1	50	93	*
25 - 185	7 600 532	1BC420B	25	1	50	93	*
25 - 150	7 600 541	2BC312	10	2	40	108	*
25 - 150	7 600 542	2BC312B	10	2	40	108	*
50 - 300	7 600 551	2BC2300	10	2	50	125	*
50 - 300	7 600 552	2BC2300B	10	2	50	125	*

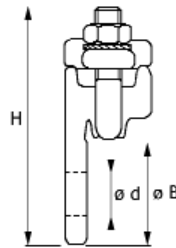
* Non-drilled palm as standard.

General features

Mechanical brass connectors are normally fitted with 60 KG zinc-plated U bolts. For bronze U bolts please suffix the PN with the letter « B ».

90 degree ring tongue lugs

Conductor size (mm ²)	Item code	Part number	Pack- ing	Number of U bolts	Ø B (mm)	H (mm)	Ø d (special) (mm)
6 - 50	7 600 681	1BER921	50	1	21	53	9 (11-13)
6 - 50	7 600 682	1BER921B	50	1	21	53	9 (11-13)
16 - 120	7 600 701	1BER1430	25	1	30	75	13 (15)
16 - 120	7 600 702	1BER1430B	25	1	30	75	13 (15)
25 - 150	7 600 711	1BER1632	25	1	32	80	13 (15)
25 - 150	7 600 712	1BER1632B	25	1	32	80	13 (15)



1BER series



90 degree square tongue lugs

Conductor size (mm ²)	Item code	Part number	Pack- ing	Number of U bolts	Ø B (mm)	H (mm)	Ø d (special) (mm)
150 - 300	7 600 631	2BEC507	10	2	50	120	*
150 - 300	7 600 632	2BEC507B	10	2	50	120	*

1BEC series



* Non-drilled palm as standard.

2BEC series



Perpendicular ring tongue lugs

Conductor size (mm ²)	Item code	Part number	Pack- ing	Number of U bolts	Ø B (mm)	Ø d (mm)
25 - 70	7 600 721	CTT10	25	1	26	11
25 - 70	7 600 722	CTT10B	25	1	26	11

CTT series



Branch tongue lugs

Conductor size (mm ²)	Item code	Part number	Pack- ing	Number of U bolts	Ø B (mm)	Ø d (special) (mm)
6 - 75	7 600 731	CTR10	25	1	26	11 (9)*
6 - 75	7 600 732	CTR10B	25	1	26	11 (9)*
35 - 150	7 600 741	CTR16	25	1	26	13
35 - 150	7 600 742	CTR16B	25	1	26	13
15 - 150	7 600 751	CT1630	25	1	30	13
15 - 150	7 600 752	CT1630B	25	1	30	13

CTR series



CT1630 series



* Other holes on request.

General features

Mechanical brass connectors are normally fitted with 60 KG zinc-plated U bolts. For bronze U bolts please suffix the PN with the letter « B ».

Straight mechanical connectors with one tap

Conductor size (mm ²)	Item code	Part number	Packing	L (mm)
6 - 50	7 600 761	RDB201	25	43
6 - 50	7 600 762	RDB201B	25	43
6 - 70	7 600 771	RDB211	10	48
6 - 70	7 600 772	RDB211B	10	48
25 - 150	7 600 781	RDB301	5	63
25 - 150	7 600 782	RDB301B	5	63

RDB series



Straight mechanical connectors with one or two taps

Conductor size (mm ²)	Item code	Part number	Packing	L (mm)
6 - 50	7 600 801	R1D201	25	43
6 - 50	7 600 802	R1D201B	25	43
6 - 50	7 600 901	R2D201	15	43
6 - 50	7 600 902	R2D201B	15	43

R1D series



R2D series



Mechanical tap connectors

Conductor size (mm ²)	Item code	Part number	Packing	L (mm)
6 - 50	7 600 831	DB202	25	21
6 - 50	7 600 832	DB202B	25	21

DB series



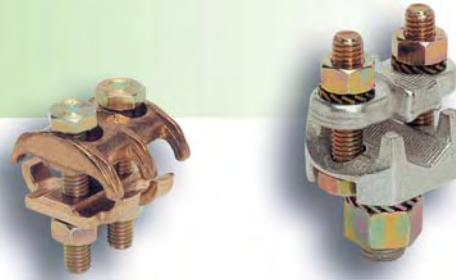
"T" connectors

Conductor size (mm ²)	Item code	Part number	Packing	L (mm)
6 - 50	7 600 861	BT9	10	47
6 - 50	7 600 862	BT9B	10	47
6 - 70	7 600 871	BT11	10	57
6 - 70	7 600 872	BT11B	10	57
25 - 150	7 600 881	BT16	10	78
25 - 150	7 600 882	BT16B	10	78
60 - 300	7 600 891	BT22	10	118
60 - 300	7 600 892	BT22B	10	118

BT series



Clamp connectors Swivelling connecting clamps

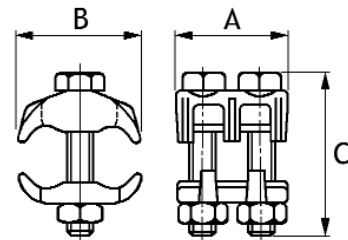


General features

On request, clamp connectors can be fitted with bronze screws.
In this case, please suffix the PN with the letter « B » (eg. RG1-25B).

Clamp connectors

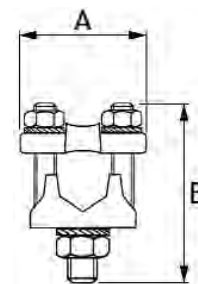
RG series



Conductor size (mm ²)	Item code	Part number	Packing	Bolts	A (mm)	B (mm)	C (mm)
4 - 30	7 601 001	RG1-25	50	1 x M 6	18	22	24
4 - 30	7 601 002	RG1-25B	50	1 x M 6	18	22	24
4 - 16	7 601 011	RG2-16	50	2 x M 5	21	19	29
4 - 16	7 601 012	RG2-16B	50	2 x M 5	21	19	29
4 - 35	7 601 021	RG2-35	25	2 x M 5	24	24	29
4 - 35	7 601 022	RG2-35B	25	2 x M 5	24	24	29
4 - 50	7 601 031	RG2-50	25	2 x M 6	28	29	34
4 - 50	7 601 032	RG2-50B	25	2 x M 6	28	29	34
16 - 95	7 601 041	RG2-95	10	2 x M 8	36	39	46
16 - 95	7 601 042	RG2-95B	10	2 x M 8	36	39	46
30 - 150	7 601 051	RG2-150	10	2 x M 8	37	48	51
30 - 150	7 601 052	RG2-150B	10	2 x M 8	37	48	51
50 - 300	7 601 061	RG3-300	3	3 x M 10	69	65	62
50 - 300	7 601 062	RG3-300B	3	3 x M 10	69	65	62

Swivelling connecting clamps

PO series



Conductor size (mm ²)	Item code	Part number	Packing	Intensity (A)	Bolts	A (mm)	B (mm)
10 - 95	7 603 301	PO 95	6	160	2 x M 8	33	50
16 - 150	7 603 311	PO 150	6	250	2 x M 8	45	64
35 - 240	7 603 321	PO 240	3	400	2 x M 10	50	78

Bolt type terminals



General features

Description:

- Universal bolt type terminals

Construction:

- Copper sheet, tin plated
- Galvanized steel

KPA series

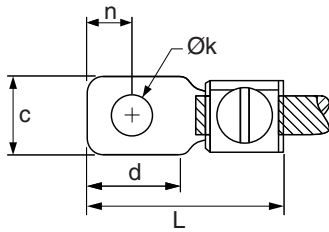


Figure 1

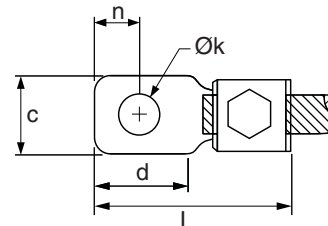
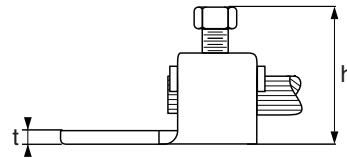
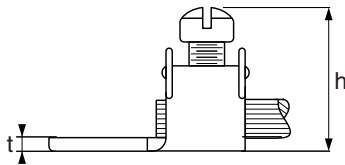


Figure 2



Item code	Part number	Fig	Cable section mm ²		Cable diameter		Dimensions						Torque moment Nm	
			min	max	min	max	c	d	h	Øk	L	n		t
7601200	KPA8CTP	1	2.5	10	1.6	3.7	10	12	18	5	24	6	2	1.5
7601201	KPA4CTP	1	2.5	25	1.6	6.5	13	15	24	7	30	8	2	5.0
7601202	KPA25	2	25	50	6.0	9.8	19	21	32	8	46	10	2	20.0
7601203	KPA28	2	50	95	8.5	13.5	25	29	41	10	62	13	3	30.0
7601204	KPA34	2	120	240	13.5	20.6	35	35	62	13	84	19	6	45.0

Mechanical tap off connectors



Tap off connectors for copper aluminium conductors



General features

Description

- Tap-off connectors with split-bolt. High electrical and mechanical characteristics with screw stamped that allows its application of high torque.

Construction

- High strength CU alloy
- Special Cu alloy corrosion and crack resistant.
- Tin plated

Application

- Joints and taps of Cu/Cu, Cu/Al and AL/Al.

For copper to copper, copper to aluminium, and aluminium to aluminium

Item Code	Part Number	Cooper and Aluminium			Aluminium		GUY Str. Inches (mm)	Copperweld Max.		Wire Diameter Range Inches(mm)	Recommended Torque LBS.In (N.m)	UL (See note)
		Range of Equal Main and Tap		Min Tap with one Max. Main	Range of Main or Tap			Max Str.	Type A			
		Min AWG (mm²)	Max AWG (mm²)		Aluminium	ACSR AWG (mm²)						
7601190	SBW3	14 Str (2.5)	8 Str (10)	14 Str (2.5)	-	8 (10)	5/32 (3.96)	-	-	0.073 - 0.146 (1.85 - 3.70)	165 (18.6)	1
7601191	SBW4	10 Str (6)	6 Str (16)	10 Sol (6)	-	6 (16)	7/32 (5.55)	3N°.12	8A	0.116 - 0.184 (2.94 - 4.67)	165 (18.6)	1
7601192	SBW5	8 Sol (10)	4 Str (25)	8 Sol (10)	-	6 - 4 (16 - 25)	1/4 (6.35)	3N°.9	5A	0.128 - 0.258 (3.25 - 6.55)	275 (31.2)	1
7601193	SBW6	8 Sol (10)	2 Str (35)	8 Sol (10)	-	6 - 2 (16 - 35)	5/16 (7.93)	3N°.7	3A	0.128 - 0.316 (3.25 - 8.02)	275 (31.2)	1
7601194	SBW7	6 Sol (16)	1/0 Str (50)	10 Sol (6)	6 Sol - 1/0 Str (16 - 50)	6 - 1 (16 - 50)	-	3N°.6	-	0.162 - 0.375 (4.11 - 9.52)	385 (43.5)	2
7601195	SBW8	6 Str (16)	2/0 Str (70)	10 Sol (6)	6 Str - 2/0 Str (16 - 70)	6 - 1/0 (16 - 50)	-	3N°.5	-	0.184 - 0.419 (4.67 - 10.64)	385 (43.5)	2
7601196	SBW9A	4 Str (25)	3/0 Str (95)	6 Sol (16)	4 Str - 3/0 Str (25 - 95)	6 - 2/0 (16 - 70)	-	7N°.7	-	0.198 - 0.470 (5.02 - 11.93)	500 (56.5)	2
7601197	SBW10	4 Str (25)	250 MCM (120)	4 Str (25)	4 Str - 250 MCM (25 - 120)	4 - 4/0 (25 - 120)	-	7N°.5	-	0.232 - 0.575 (5.89 - 14.60)	650 (73.4)	2
7601198	SBW11	3/0 Str (95)	350 MCM (185)	1 Sol (50)	3/0 Str - 350 MCM (95 - 185)	2/0 - 336.4 18/1 (70 - 185)	-	19N°.7	-	0.447 - 0.682 (11.35 - 17.32)	650 (18.6)	2
7601199	SBW12	3/0 Str (95)	500 MCM (240)	1/0 Str (50)	3/0 Str - 500 MCM (95 - 240)	2/0 - 477 18/1 (70 - 240)	-	19N°.6	-	0.447 - 0.815 (11.35 - 20.70)	825 (93.2)	2

Note (1): UL listed for Cu/Cu, Cu/Al and Al/Al applications

Note (2): UL listed for Cu/Cu applications

Mechanical tap off connectors



Split-bolt connectors for copper conductors



Features and Benefits

Application / Use.

- For use with 2-conductors for electrical power applications, and grounding and bonding applications, except direct burial.
- Type SBEL is for use with 2 or 3 conductors for electrical power applications, and grounding and bonding applications except direct burial.

Versatile / Multi-use:

- Electrical: Splicing and taping.
- Grounding and bonding: Above ground splicing, taping and bonding.

Conductors:

- Wide range of solid, compact, compressed, concentric and copperweld.

Installation:

- Torque wrench plus socket, box or open-end wrenches.

General features

Description

- Tap-off connectors with split-bolt. High electrical and mechanical characteristics with screw stamped that allows its application of high torque.

Construction

- High strength CU alloy.
- Special Cu alloy corrosion and crack resistant.

Application

- Joints and taps of Cu/Cu.

Item Code	Part Number	Range Eq Run & Tap AWG (mm ²)	Min Tap with one Max. Main AWG (mm ²)	Max. Cond Copperweld		Wire diameter range inches (mm)	L inches (mm)	W inches (mm)	Across Flats inches (mm)	Torque LBS.In (N.m)
				STR	Type A					
7601170	SB 90	16 Str - 10 Str (1.5 - 6)	16 Str (1.5)	-	-	0.057 - 0.116 (1.45 - 2.95)	0.71 (18.25)	0.49 (12.56)	0.35 (8.78)	80 (9.0)
7601171	SB 15	16 Str - 8 Str (1.5 - 10)	16 Str (1.5)	-	-	0.057 - 0.145 (1.45 - 3.68)	0.84 (21.34)	0.50 (12.70)	0.38 (9.65)	80 (9.0)
7601172	SB 17	10 Sol - 6 Sol (6 - 16)	16 Sol (1.5)	-	-	0.102 - 0.162 (2.59 - 4.11)	1.05 (26.67)	0.63 (16.00)	0.50 (12.70)	165 (18.6)
7601173	SBEL 6	10 Sol - 6 Sol (6 - 16)	16 Sol (1.5)	-	-	0.102 - 0.162 (2.59 - 4.11)	1.05 (26.67)	0.69 (17.53)	0.56 (14.22)	165 (18.6)
7601174	SB 20	8 Sol - 4 Sol (10 - 25)	16 Sol (1.5)	3N° . 12	8A	0.128 - 0.204 (3.25 - 5.18)	1.05 (26.67)	0.69 (17.53)	0.56 (14.22)	165 (18.6)
7601175	SB 22	6 Sol - 2 Sol (16 - 35)	12 Sol (4)	3N° . 9	5A	0.162 - 0.258 (4.11 - 6.55)	1.31 (33.27)	0.81 (20.57)	0.69 (17.53)	275 (31.2)
7601176	SB 23	6 Sol - 2 Str (16 - 35)	14 Str (2.5)	3N° . 7	3A	0.162 - 0.292 (4.11 - 7.42)	1.31 (33.27)	0.81 (20.57)	0.69 (17.53)	275 (31.2)
7601177	SB 25	4 Sol - 1/0 Str (25 - 50)	14 Sol (2.5)	3N° . 6	2A	0.204 - 0.375 (5.18 - 9.53)	1.64 (41.66)	0.88 (22.35)	0.75 (19.05)	385 (43.5)
7601178	SB 26	2 Sol - 2/0 Str (35 - 70)	14 Str (2.5)	3N° . 5	-	0.258 - 0.418 (6.55 - 10.62)	1.81 (45.97)	1.00 (25.40)	0.81 (20.57)	385 (43.5)
7601179	SB 3/0	2 Sol - 3/0 Str (35 - 95)	12 Sol (4.0)	7N° . 7	-	0.258 - 0.470 (6.55 - 11.94)	2.00 (50.80)	1.13 (28.70)	0.88 (22.35)	500 (56.5)
7601180	SB 4/0 250	1/0 Sol - 250 (50 - 120)	10 Sol (6.0)	7N° . 5	-	0.325 - 0.575 (8.26 - 14.61)	2.08 (52.83)	1.31 (33.27)	1.00 (25.40)	650 (73.4)
7601181	SB 350	4/0 Str - 350 (120 - 185)	8 Sol (10)	19N° . 7	-	0.528 - 0.682 (13.41 - 17.32)	2.63 (66.80)	1.63 (41.40)	1.50 (38.10)	650 (73.4)
7601182	SB 500	250 - 500 (120 - 240)	8 Sol (10)	19N° . 6	-	0.575 - 0.815 (14.61 - 20.70)	3.00 (76.20)	1.81 (45.97)	1.63 (41.40)	825 (93.2)
7601183	SB 750	350 - 750 (185 - 400)	8 Sol (10)	19N° . 5	-	0.682 - 0.999 (17.32 - 25.37)	3.75 (95.25)	2.13 (54.10)	1.94 (49.28)	1000 (113.0)
7601184	SB 1000	500 - 1000 (240 - 500)	8 Sol (10)	-	-	0.815 - 1.153 (20.70 - 29.29)	4.00 (101.60)	0.250 (6.35)	2.25 (57.15)	1100 (124.3)

Tap off connectors for copper cables to flat bar



UL Approved

General features

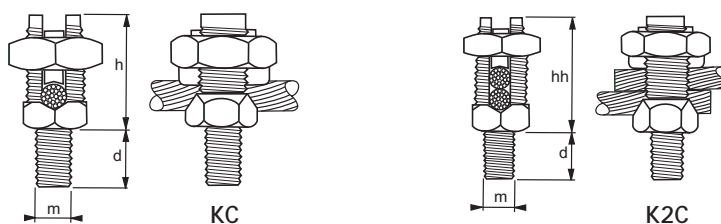
Description

- Tap-off connectors for CU conductors to be mounted on steel structures, fence posts, transformers, etc.

Construction

- High strength CU alloy

KC series



For 1 cable		For 2 cables		Conductor		Witworth screw (m)	Dimensions (mm)			
Item code	Part number	Item code	Part number	Stranded (mm ²)	Solid (mm ²)		d	h	hh	f
7601150	KC15	7601151	K2C15	4-6	4-10	1/4"	12.7	15.8	22.2	12.7
7601152	KC17	7601153	K2C17	6-10	6-16	1/4"	12.7	22.2	25.4	15.9
7601154	KC20	7601155	K2C20	6-16	6-25	5/16"	15.8	22.2	28.6	17.5
7601156	KC22	7601157	K2C22	6-35	6-35	3/8"	15.8	25.4	31.8	19.0
7601158	KC23	7601159	K2C23	10-50	6-50	3/8"	15.8	25.4	35.0	20.6
7601160	KC25	7601161	K2C25	35-50	35-70	1/2"	19.0	28.6	41.3	23.8
7601162	KC26	7601163	K2C26	35-70	35-95	1/2"	19.0	35.0	47.6	25.4
7601164	KC28	7601165	K2C28	50-120	50-120	5/8"	25.4	44.5	57.2	38.1
7601166	KC31	7601167	K2C31	50-185	-	5/8"	25.4	57.2	73.0	42.9
7601168	KC34	7601169	K2C34	95 - 240	-	3/4"	31.8	60.3	82.6	50.8

Silicon-bronze accessories for KC Line

Stud m	Nut	Flat washer	Split lock-washer	Tooth lock-washer
1/4"	25 CHENBOX	25 FWBOX	25 SWBOX	25 NWBOX
5/16"	32 CHENBOX	32 FWBOX	32 SWBOX	32 NWBOX
3/8"	38 CHENBOX	38 FWBOX	38 SWBOX	38 NWBOX
1/2"	50 CHENBOX	50 FWBOX	50 SWBOX	50 NWBOX
5/8"	62 CHENBOX	62 FWBOX	62 SWBOX	62 NWBOX
3/4"	75 CHENBOX	75 FWBOX	75 SWBOX	75 NWBOX



Heat-shrink tubing and cast resin joints



Tubing in BILBOX dispenser

135

Polyolefin tubing for general use



136

High quality flexible tubing



140

Polyolefin tubing:
- high shrink ratio
- medium and thick wall



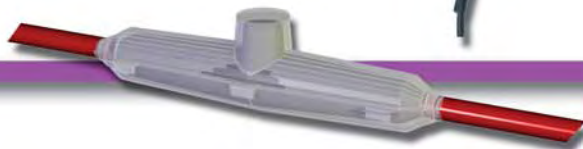
144

Application tooling



152

Low tension straight and branch joints



153

Heat-shrink tubing and cast resin joints

Heat-shrink tubing General features

Page	Part number	Description	Range of applications	Operating temperature (°C)	Shrink temperature (°C)	Shrink ratio	Expanded Ø size (mm)
120	CLST	Flexible	High production volumes Low shrink ratio	-45 to +125	70	2/1	3.2 to 25.4
122	CPX 50	Flexible	General use, protection, identification and insulation	-55 to +125	110	2/1	1.6 to 50.8
122	CPX 55	Flexible, flame retardant	As CPX50, and flame retardant	-55 to + 125	110	2/1	1.6 to 50.8
124	CPX 100	Flexible, flame retardant	High performance for general use (available in non flame retardant clear,)	-55 to +135	90	2/1	1.2 to 101.6
126	CPX 201	Flexible, flame retardant yellow, green	Identification of earthing connections	-55 to +135	90	3/1	3.2 to 39.0
128	CPX 300	Flexible, flame retardant	General use, the high shrink ratio decreases the quantity of sizes required	-55 to +135	90	3/1	3.2 to 39.0
130	CPA 100	Flexible, dual wall (adhesive lined), flame retardant	Water protection of a wide range of components	-55 to +110	95	3/1 - 4/1	3.0 to 52.0
	Rigid						
132	CFM	Medium dual wall (adhesive lined), high shrink ratio	Protection and insulation of low tension cables and connections	-55 to +110	120	3/1	10.2 to 69.9
134	CFE	As CFM but with increased wall thickness	As CFM but with improved insulation and mechanical resistance	-55 to +110	120	3/1	8.9 to 119.9

Services:

Cutting, Assembly of assortment kits, etc.

Other products:

MECATRACTION offer a wide range of products including a range of tooling which are not presented in this catalogue. Please contact us with any special requirements or for application tooling.

Heat-shrink tubing in BILBOX dispensers

Convenient and economic

General features

- The mini-reel BILBOX offers a range of heat-shrink tubing with inside diameters before shrinking of 4.8 to 25.4 mm (3/16" to 1").
- Continuous operating temperature : - 55°C to + 135°C.
- Shrink ratio: 2/1 (except CPX201: 3/1).
- Minimum shrink temperature: 90°C.
- Flexible.
- Flame retardant.
- Resistance to common solvents and fluids.
- 4 colours: black, red, blue, yellow/green.



Item code	Part number	Ø before shrinking		Ø after shrinking (mm)	Colour	Length in meters
		(mm)	(inch)			
7 469 200	B8CPX100-1-5BK	4.8	3/16"	2.4	Black	8
7 469 201	B6CPX100-1-6BK	6.4	1/4"	3.2	Black	6
7 469 202	B5CPX100-1-7BK	9.5	3/8"	4.8	Black	5
7 469 203	B5CPX100-1-8BK	12.7	1/2"	6.4	Black	5
7 469 204	B4CPX100-1-10BK	19.1	3/4"	9.5	Black	4
7 469 205	B3CPX100-1-11BK	25.4	1"	12.7	Black	3
7 469 207	B8CPX100-1-5RD	4.8	3/16"	2.4	Red	8
7 469 208	B6CPX100-1-6RD	6.4	1/4"	3.2	Red	6
7 469 209	B5CPX100-1-7RD	9.5	3/8"	4.8	Red	5
7 469 210	B5CPX100-1-8RD	12.7	1/2"	6.4	Red	5
7 469 211	B4CPX100-1-10RD	19.1	3/4"	9.5	Red	4
7 469 212	B3CPX100-1-11RD	25.4	1"	12.7	Red	3
7 469 214	B8CPX100-1-5BE	4.8	3/16"	2.4	Blue	8
7 469 215	B6CPX100-1-6BE	6.4	1/4"	3.2	Blue	6
7 469 216	B5CPX100-1-7BE	9.5	3/8"	4.8	Blue	5
7 469 217	B5CPX100-1-8BE	12.7	1/2"	6.4	Blue	5
7 469 218	B4CPX100-1-10BE	19.1	3/4"	9.5	Blue	4
7 469 219	B3CPX100-1-11BE	25.4	1"	12.7	Blue	3
7 469 221	B6CPX201-2	4.8	3/16"	1.5	Yellow/Green	6
7 469 222	B4,5CPX201-3	6.4	1/4"	2.0	Yellow/Green	4.5
7 469 223	B4CPX201-4	9.5	3/8"	3.0	Yellow/Green	4
7 469 224	B3,5CPX201-5	12.7	1/2"	4.0	Yellow/Green	3.5
7 469 225	B3CPX201-6	19.1	3/4"	6.0	Yellow/Green	3
7 469 226	B2CPX201-7	25.4	1"	8.0	Yellow/Green	2

For technical features, see pages: 140 for tubing ref: CPX100
142 for tubing ref: CPX201

Low shrink temperature, flexible heat-shrink polyolefin tubing



General features

Description :

CLST is a flexible low shrink temperature tubing, specially designed for ease of use and safety of heat-sensitive components. Ideal for high volume production lines in automotive, domestic appliance and cable harness manufacturing. Can be shrunk with hot water.

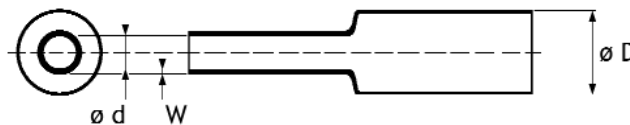
- Continuous operating temperature: - 45°C to + 125°C.
- Shrink ratio: 2/1.
- Standard colour: black.

CLST



Shrink temperature:

At 70°C CLST will shrink to 50% of its initial diameter.



Part number	Expanded Min. inside Ø (D)		Recovered Max. inside Ø (d) Nominal wall thickness (W)	
	(mm)	(inch)	(mm)	(mm)
32	3.2	1/8"	1.6	0.50
48	4.8	3/16"	2.4	0.50
64	6.4	1/4"	3.2	0.60
95	9.5	3/8"	4.8	0.60
127	12.7	1/2"	6.4	0.60
160	16.0	5/8"	8.0	0.60
190	19.0	3/4"	9.5	0.80
254	25.4	1"	12.7	0.90

For ordering, please refer to the information given on following page.

Low shrink temperature, flexible heat-shrink polyolefin tubing



Technical data

CLST

Properties	Standards	Typical performance
Tensile strength	IEC 60684-2	14 MPa
Elongation	IEC 60684-2	420%
Operating temperature	-	-45 °C to +125 °C
Minimum shrink temperature	-	70 °C
Longitudinal change	ASTM D2671	6% max.
Specific gravity	ASTM D792-A-1	1.2 g / cm ³
Secant modulus	ASTM D882	40 MPa max.
Dielectric strength	VDE0303 Part 2	25 kV / mm
Flammability	FMVSS302	Compliant
Elongation after ageing test	UL 224 (168 h to 158 °C)	390%
Resistance after heat shock	IEC 811-1-2 (4 h to 200° C)	13 MPa
Low temperature flexibility	ASTM D2671 Meth. C	No cracking
Water absorption	VDE 0472	0.2%
Chemical resistance		Good

Ordering information:

Refer to the dimensional table and select the size which will shrink to at least the dimension required. If not fully shrunk the resultant wall thickness may be less than that indicated on the table.

Standard colour: black.

Packing: on reels.

- Example of order:
 - CLST tubing ref. 48, black.
 - Then order: CLST48.

Heat-shrink polyolefin tubing for general use



General features

Description :

CPX50/CPX55 series products are low cost tubing of quality offering good physical, chemical and dielectric properties. Available in 3 versions, they suit a wide range of applications.

This range includes both flame retardant and non flame retardant products. They all have better performance characteristics than PVC.

- Continuous operating temperature: -55°C to +125°C.
- Standard shrink ratio: 2/1.
- 6 standard colours.
- CPX55 : flame retardant.

Standards and specifications:

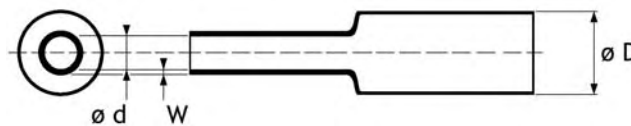
- UL - CSA (except CPX50).

CPX50/CPX55



Shrink temperature:

At 110°C CPX50 and CPX55 will shrink to 50% of its initial diameter.



Part number	Expanded		Recovered	
	Min. inside \varnothing (D)		Max. inside \varnothing (d)	Nominal wall thickness (W)
	(mm)	(inch)	(mm)	(mm)
2	1.6	1/16"	0.8	0.40
3	2.4	3/32"	1.2	0.50
4	3.2	1/8"	1.6	0.50
5	4.8	3/16"	2.4	0.50
6	6.4	1/4"	3.2	0.60
7	9.5	3/8"	4.8	0.60
8	12.7	1/2"	6.4	0.60
9	16.0	5/8"	8.0	0.60
10	19	3/4"	9.5	0.80
11	25.4	1"	12.7	0.90
12	38.1	1 1/2"	19	1.00
13	50.8	2"	25.4	1.10

For ordering, please refer to information given on following page.

Heat-shrink polyolefin tubing for general use



Technical data

CPX50/CPX55

Properties	Standards	CPX50 Typical performance	CPX55 Typical performance
Tensile strength	IEC 60684-2	19 Mpa	15 Mpa
Elongation	IEC 60684-2	530%	450%
Continuous operating temperature	-	-55 °C to +125 °C	-55 °C to +125 °C
Minimum shrink temperature	-	110 °C	110 °C
Longitudinal change	ASTM D2671	±10%	±10%
Specific gravity	ASTM D792, A-1	1.25 g / cm ³	1.00 g / cm ³
Secant modulus	ASTM D882	175 MPa max.	175 MPa max.
Dielectric strength	VDE 0303 Part 2	26 kV / mm (according to thickness)	24 kV / mm (according to thickness)
Flammability	UL 224	Non flame retardant	Flame retardant
Elongation after ageing test	UL 224 (168 h to 158 °C)	490%	300%
Resistance after heat shock	IEC 811-1-2 (4 h to 200° C)	18 MPa	13 MPa
Low temperature flexibility	ASTM D2671 (4 h to -55° C)	No cracking	No cracking
Water absorption	VDE 0472	0.30%	0.15%
Chemical resistance		Good	Good

Ordering information:

- Refer to the dimensional table and select the size which will shrink to at least the dimension required. If not fully shrunk the resultant wall thickness may be less than that indicated on the table.
- Standard length:
 - continuous on reel
 - 1.2 m length (suffix the PN with "L")
- Standard colours:
 - "BK": black
 - "RD": red
 - "WE": white
 - "BE": blue
 - "YW": yellow
 - "GN": green
- Two types:
 - CPX55: flame retardant (all colours available)
 - CPX50: non flame retardant (only clear available).
 Note: CPX50 is non UL/CSA.
- Examples of orders:
 - flame retardant tubing ref. 10, blue:
 - For reel, order CPX55-10BE
 - For 1.2 m lengths, order: CPX55-10BEL

Assortment boxes with heat-shrink tubing

- Assortment of polyolefin tubing for multiple uses.
- Shrink ratio: 2/1.
- Length: 70 and 200 mm.



Quantity	Inside expanded Ø (mm)	Length (mm)
30	2.4 to 4.8	70
17	6.4	70
9	9.5	70
6	12.7	70
4	19	70
7	2.4 to 19	200

Item code	Part number
7 310 010	COFTHERMO

Heat-shrink tubing



High quality, flexible,
multi-use heat-shrink tubing



General features

Description :

CPX100 is a specially formulated polyolefin tubing offering excellent dielectric, chemical and physical properties. Suitable for a variety of uses, this tough versatile tubing can be used for insulation, harnessing, strain relief and identification purposes in industrial and military applications.

- Continuous operating temperature: - 55°C to + 135°C
- Shrink ratio: 2.1
- Flexible
- Flame retardant (except clear)
- Resistant to common fluids and solvents

Standards and specifications:

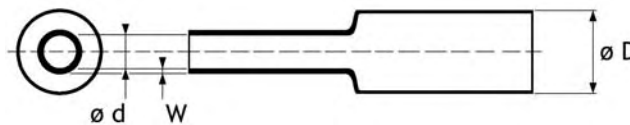
- UL - CSA.
- MIL.
- VG.
- DEF. STAN. 59/97.
- VDE.

CPX100



Shrink temperature:

At 90°C CPX100 will shrink to 50% of its initial diameter.



Part number	Expanded Min. inside Ø (D)		Recovered Max. inside Ø (d) Nominal wall thickness (W)	
	(mm)	(inch)	(mm)	(mm)
1*	1.2	3/64"	0.6	0.40
2*	1.6	1/16"	0.8	0.40
3	2.4	3/32"	1.2	0.50
4	3.2	1/8"	1.6	0.50
5	4.8	3/16"	2.4	0.50
6	6.4	1/4"	3.2	0.60
7	9.5	3/8"	4.8	0.60
8	12.7	1/2"	6.4	0.60
9	16.0	5/8"	8.0	0.60
10	19.0	3/4"	9.5	0.80
11	25.4	1"	12.7	0.90
12*	31.8	1 1/4"	15.9	0.90
13*	38.0	1 1/2"	19.0	1.00
14*	51.0	2"	25.4	1.10
15*	76.0	3"	38.0	1.30
16*	101.6	4"	50.8	1.40

* Only available in black.

For ordering, please refer to information given on following page.

High performance, flexible,
multi-use heat-shrink tubing



Technical data

CPX100

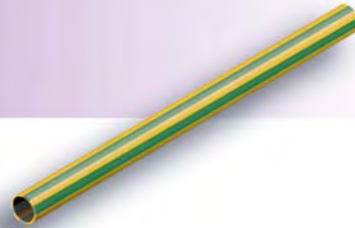
Properties	Standards	Typical performance
Tensile strength	IEC 60684-2	17.0 MPa
Elongation	IEC 60684-2	500%
Continuous operating temperature	-	-55 °C to +135 °C
Minimum shrink temperature	-	90 °C
Longitudinal change	ASTM D2671	±5%
Specific gravity	ASTM D792, A-1	1.3 g / cm ³
Secant modulus	ASTM D882	175 MPa max.
Dielectric strength	VDE 0303 Part 2	24 kV / mm
Flammability	UL 224	Flame retardant
Elongation after ageing test	ASTM D2671 (168 h to 175 °C)	300%
Resistance after heat shock	ASTM D2671 (4 h to 250 °C)	No dripping, flowing or cracking
Low temperature flexibility	ASTM D2671 Meth. C	No cracking to -55 °C
Water absorption	VDE 0472	0.2% max.
Chemical resistance		Good

Note: CPX100 Type 2 is not flame retardant and technical performance may vary.

Ordering information:

- Refer to the dimensional table and select the size which will shrink to at least the dimension required. If not fully shrunk the resultant wall thickness may be less than that indicated on the table.
- Standard lengths:
 - continuous on reel
 - 1.2 m lengths (suffix the PN with "L")
- Standard colours:
 - "BK": black
 - "RD": red
 - "WE": white
 - "BE": blue
 - "YW": yellow
 - "GN": green (manufactured to order)
 - "CR": clear (only type 2)
- CPX100 can be supplied in two types:
 - Type 1: flame retardant (except clear) - (CPX100-1-...) UL/CSA
 - Type 2: (clear) non flame retardant - (CPX100-2-...) non UL/CSA. (technical performance may vary)
- Examples of orders:
 - CPX100 ref. 8 tubing, flame retardant, yellow:
 - For reel, order: CPX100-1-8YW
 - For 1.2 m lengths, order: CPX100-1-8YWL
- For non standard colours and sizes, please contact us.

Flexible and multi-use yellow/green striped heat-shrink tubing



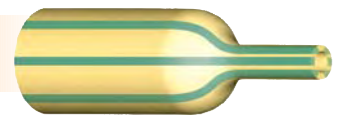
General features

Description :

CPX201 is a specially formulated polyolefin tubing offering excellent dielectrical, chemical and physical properties. The yellow/green striped tubing is recommended where the international electrical earth designation is intended.

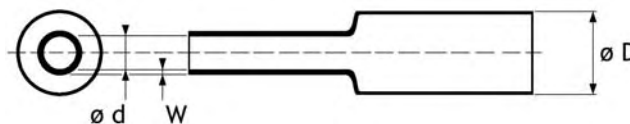
- Continuous operating temperature: - 55°C to + 135°C
- Shrink ratio: 3/1
- Flexible
- Flame retardant (colours)
- Resistant to common fluids and solvents

CPX201



Shrink temperature:

At 90°C CPX201 will shrink to 33% of its initial diameter.



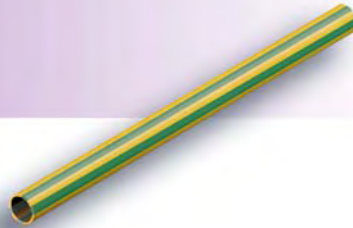
Part number	Expanded		Recovered	
	Min. inside Ø (D)		Max. inside Ø (d)	Nominal wall thickness (W)
	(mm)	(inch)	(mm)	(mm)
1	3.2	1/8"	1.0	0.55
2	4.8	3/16"	1.5	0.60
3	6.4	1/4"	2.0	0.65
4	9.5	3/8"	3.0	0.75
5	12.7	1/2"	4.0	0.75
6	19.0	3/4"	6.0	0.85
7	25.4	1"	8.0	1.00
8	39.0	1 1/2"	13.0	1.15

For ordering, please refer to information given on following page.

Heat-shrink tubing



Flexible and multi-use yellow/green striped heat-shrink tubing



Technical data

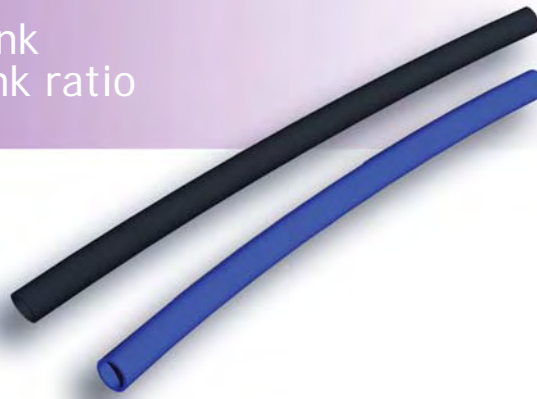
CPX201

Properties	Standards	Typical performance
Tensile strength	IEC 60684-2	15 MPa
Elongation	IEC 60684-2	450%
Continuous operating temperature	-	-55 °C to +135 °C
Minimum shrink temperature	-	90 °C
Longitudinal change	ASTM D2671	±10%
Specific gravity	ASTM D792, A-1	1.3 g / cm ³
Secant modulus	ASTM D882	175 MPa max.
Dielectric strength	VDE 0303 Part 2	24 kV / mm
Flammability	UL 224	Flame retardant
Elongation after ageing test	ASTM D2671 (168 h to 175 °C)	300%
Resistance after heat shock	IEC 811-1-2 (4 h to 200° C)	14 MPa
Low temperature flexibility	ASTM D2671 Meth. C	No cracking to -55 °C
Water absorption	VDE 0472	0.2% max.
Chemical resistance		Good

Ordering information:

- Refer to the dimensional table and select the size which will shrink to at least the dimension required.
If not fully shrunk the resultant wall thickness may be less than that indicated on the table.
- Standard lengths:
 - continuous on reel
 - 1.2 m lengths (suffix the PN with "L")
- Standard colour: yellow/green striped
- Examples of orders:
CPX201 ref. 5 tubing:
 - For reel, order: CPX201-5
 - For 1.2 m lengths, order: CPX201-5L
- For non standard colours and sizes, please contact us.

General use thin wall heat-shrink polyolefin tubing with 3/1 shrink ratio



General features

Description :

CPX300 is a flexible, flame retardant tubing with a high shrink ratio and good resistance to common fluids and solvents. This enables the tubing to be used in numerous applications such as covering irregular shapes and components, or in the insulation and identification of cables and wires. High shrink ratio facilitates fewer sizes necessary for a wide range of diameters.

- Continuous operating temperature : - 55°C to +135°C
- Shrink ratio: 3/1
- Flexible
- Flame retardant (colours)

Standards and specifications:

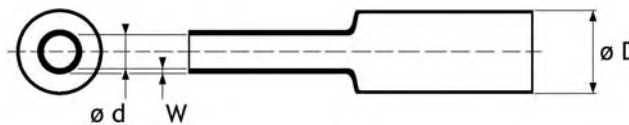
- UL - CSA
- VG.
- DEF.STAN-5997.
- VDE.

CPX300



Shrink temperature:

At 90°C CPX300 will shrink to 33% of its initial diameter.



Part number	Expanded	Recovered	
	Min. inside Ø (D)	Max. inside Ø (d)	Nominal wall thickness (W)
	(mm)	(mm)	(mm)
2	3.2	1.0	0.55
3	6.4	2.0	0.65
4	9.5	3.0	0.75
5	12.7	4.0	0.75
6	19.0	6.0	0.85
7	25.4	8.0	1.00
8*	39.0	13.0	1.15

* Not available in CPX300-2CR.

For ordering, please refer to information given on following page.

General use thin wall heat-shrink polyolefin tubing with 3/1 shrink ratio



Technical data

CPX300

Properties	Standards	Typical performance
Tensile strength	IEC 60684-2	17.0 MPa - 20.0 MPa for clear
Elongation	IEC 60684-2	500% - 550% for clear
Continuous operating temperature	-	-55 °C to +135 °C
Minimum shrink temperature	-	90 °C
Longitudinal change	ASTM D2671	±10%
Specific gravity	ASTM D792, A-1	1.3g/cm ³ - 1.0g/cm ³ for clear
Secant modulus	ASTM D882	175 MPa max.
Dielectric strength	VDE 0303 Part 2	20 kV / mm
Flammability	UL 224	Flame retardant (colours)
Elongation after ageing test	ASTM D2671 (168 h to 175 °C)	300 % - 500 % for clear
Resistance after heat shock	IEC 811-1-2 (4 h to 250° C)	19 MPa - 15 Mpa for clear
Low temperature flexibility	ASTM D2671 Meth. C	No cracking to -55 °C
Water absorption	VDE 0472	0.2%
Chemical resistance		Good

Note: CPX300 Type 2 is not flame retardant and its technical performance may vary.

Ordering information:

- Refer to the dimensional table and select the size which will shrink to at least the dimension required. If not fully shrunk the resultant wall thickness may be less than that indicated on the table.
- Standard lengths:
 - continuous on reel
 - 1.2 m lengths (suffix the PN with "L")
- Standard colours:
 - "BK": black
 - "RD": red (manufactured to order)
 - "WE": white (manufactured to order)
 - "BE": blue
 - "YW": yellow (manufactured to order)
 - "CR": clear (only type 2)
- CPX300 can be supplied in two types:
 - Type 1: flame retardant (except clear) - (CPX300-1-...)
 - Type 2: non flame retardant (clear) - (CPX300-2-...)
- Examples of orders:
 - CPX300 ref. 4 tubing, non flame retardant, clear:
 - For reel, order: CPX300-2-4CR
 - For 1.2 m lengths, order: CPX300-2-4CR-L
- For non standard colours and sizes, please contact us.

Heat-shrink tubing



Dual wall heat-shrink tubing with protection against humidity and with high shrink ratio



General features

Description :

CPA100 is a semi-flexible tubing with an adhesive liner which melts and flows when heated. After shrinkage and upon cooling, this provides a moisture proof seal around the product covered. CPA100 suits to a wide range of applications, such as encapsulation of cables, wires, splices, breakouts and components. The choice of high shrink ratios means flexibility of use such as the covering of irregular shaped objects.

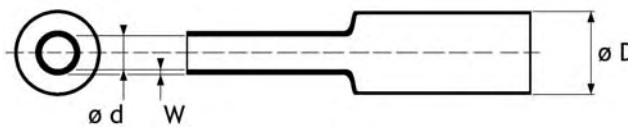
- Continuous operating temperature: -55°C to +110°C
- Shrink ratio: 3/1 or 4/1
- Semi-flexible
- Protection against humidity
- Flame retardant jacket

CPA100



Shrink temperature:

At 95°C CPA100 (part no's 30 to 37) will shrink to 33% of their initial diameter At 95°C CPA100 (part no's 41 to 47) will shrink to 25% of their initial diameter.



Part number		Expanded		Max. inside Ø (d) (mm)	Recovered				
		Min. inside Ø (D) (mm)			Wall thickness		Adhesive		
				Shrink ratio					
3/1	4/1	3/1	4/1	3/1	4/1	3/1	4/1	3/1	4/1
30	41	3.0	4.0	1.0		1.0		0.40	
31		4.5		1.6		1.10		0.50	
32	42	6.0	8.0	2.0		1.20		0.50	
33	43	9.0	12.0	3.0		1.40		0.50	
34	44	12.0	16.0	4.0		1.70		0.60	
35	45	19.0	24.0	6.0		2.10		0.60	
36	46	24.0	32.0	8.0		2.40		0.70	
37	47	39.0	52.0	13.0		2.40		0.70	

For ordering, please refer to information given on following page.

Heat-shrink tubing



Dual wall heat-shrink tubing
with protection against humidity
and high shrink ratio



Technical data

CPA100

Properties	Standards	Typical performance
Tensile strength	IEC 60684-2	15 MPa
Elongation	IEC 60684-2	400%
Continuous operating temperature	-	-55 °C to +110 °C
Minimum shrink temperature	-	95 °C
Longitudinal change	ASTM D2671	3/1 = -15% max. - 4/1 = -18% max.
Specific gravity	ASTM D792, A-1 - ISO/R1183	1.25 g/cm ³
Dielectric strength	VDE 0303 Part 2	22 kV / mm
Flammability	ASTM 876	Flame retardant (only jacket)
Resistance after heat shock	IEC 811-1-2 (4 h to 200° C)	15 MPa
Low temperature flexibility	ASTM D2671 Meth. C	No cracking to -55 °C
Chemical resistance		Good

Ordering information:

- Refer to the dimensional table and select the size which will shrink to at least the dimension required.
If not fully shrunk the resultant wall thickness may be less than that indicated on the table.
- Standard length: 1.2 m.
- Standard colour: black.
- Example of order:
 - CPA100 tubing - ref. 44
 - Order: CPA100-44

Heat-shrink tubing



Medium wall, heat-shrink polyolefin tubing, ideal for the protection of cable joints and terminations of cables in low voltage power and Telecom applications



General features

Description :

CFM is an excellent product for sealing and insulating cable splices, connections, terminations and jacket repairs. The tubing is designed to suit a wide range of mechanical and electrical applications. The wide range of dimensions together with a high shrink ratio provides adaptability to most configurations, offering tough and versatile protection.

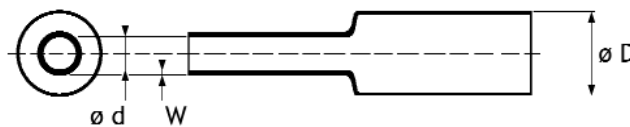
- Continuous operating temperature: -55°C to + 110°C
- Shrink ratio: 3/1
- High resistance to abrasion, corrosion and chemicals
- On outdoor applications, the tubing exhibits excellent resistance to the elements.
- Available as adhesive lined, sealant lined or unlined.

CFM



Shrink temperature:

At 120°C CFM will shrink to 33% of its initial diameter.



Part number	Expanded	Recovered	
	Min. inside Ø (D)	Max. inside Ø (d)	Nominal wall thickness (W)
	(mm)	(mm)	(mm)
CFM 120	10.2	3.8	2.0
CFM 200	19.1	5.6	2.0
CFM 300	27.9	10.2	2.0
CFM 340	33.0	10.2	2.0
CFM 400	38.1	12.7	2.0
CFM 450	43.2	12.7	2.0
CFM 540	52.1	19.1	2.0
CFM 700	69.9	25.4	2.0

For ordering, please refer to information given on following page.

Heat-shrink tubing



Medium wall, heat-shrink polyolefin tubing, ideal for the protection of cable joints and terminations of cables in low voltage power and Telecom applications



Technical data

CFM

Properties	Standards	Typical performance
Tensile strength	ASTM-D412 / ISO 37	14.5 MPa
Elongation	ASTM-D412 / ISO 37	550%
Continuous operating temperature	-	-55 °C to +110 °C
Minimum shrink temperature	-	120 °C
Longitudinal change	ASTM D2671	+1% to -10% max.
Specific gravity	ASTM D792, A-1	1.10 g / cm ³
Dielectric strength	ASTM D149 / IEC 243	20 kV / mm
Elongation after ageing test	ASTM D2671 / ISO 37	500%
Choc thermique	ASTM D2671 (4 h to 225° C)	No dripping, flowing or cracking
Low temperature flexibility	ASTM D2671 Meth. C	No cracking to -55 °C
Water absorption	ASTM D 570	0.10 %
Chemical resistance	-	Good to excellent

Properties	Adhesive data	Sealant data
Water absorption	< 0.3%	< 0.1%
Softening point	ASTM-E28 (95° C to 105° C)	(80° C to 90° C)

Ordering information:

- Refer to the dimensional table and select the size which will shrink to at least the dimension required. If not fully shrunk the resultant wall thickness may be less than that indicated on the table.
- Standard colour: black
- Standard length : 1.2 m
- 3 types of CFM tubing:
 - "A": with adhesive
 - "S": with sealant
 - "U": unlined
- Example of order:
CFM tubing, unlined - ref. 200
Order: CFM200U.

Heat-shrink tubing



Medium wall, heat-shrink polyolefin tubing, ideal for the protection of cable joints and terminations of cables in low voltage power and Telecom applications



General features

Description :

CFE is an excellent product for sealing and insulating cable splices, connections, terminations and jacket repairs. The version with thermoplastic adhesive allows a protection and total insulation in extreme environmental conditions. The wide range of dimensions together with a high shrink ratio provides adaptability to most configurations, offering tough and versatile protection.

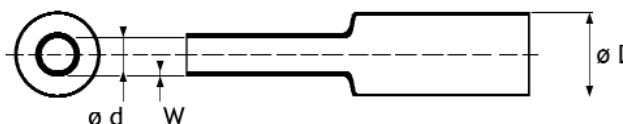
- Continuous operating temperature: -55°C to +110°C.
- Shrink ratio: 3/1.
- High resistance to abrasion, corrosion and chemicals.
- On outdoor applications, the tubing exhibits excellent resistance to the environmental elements.
- Available as adhesive lined, sealant lined or unlined.

CFE



Shrink temperature:

When operating temperature of CFE is 120°C, shrink is 33% of its initial diameter.



Part number	Expanded	Recovered	
	Min. inside \varnothing (D)	Max. inside \varnothing (d)	Nominal wall thickness (W)
	(mm)	(mm)	(mm)
CFE 90	8.9	3.0	1.8
CFE 140	13.0	4.1	2.4
CFE 200	19.1	6.1	2.4
CFE 300	27.9	8.9	3.0
CFE 400	38.1	11.9	4.10
CFE 530	50.8	16.0	4.10
CFE 700	68.1	22.1	4.10
CFE 930	89.9	30.0	4.10
CFE 1220	119.9	39.9	4.3

For ordering, please refer to information given on following page.

Heat-shrink tubing



Medium wall, heat-shrink polyolefin tubing, ideal for the protection of cable joints and terminations of cables in low voltage power and Telecom applications



Technical data

CFE

Properties	Standards	Typical performance
Tensile strength	ASTM D412 / ISO 37	14.5 MPa
Elongation	ASTM D412 / ISO 37	600%
Continuous operating temperature	-	-55 °C to +110 °C
Minimum shrink temperature	-	120 °C
Longitudinal change	ASTM D2671	+1% to -10% max.
Specific gravity	ASTM D792, A-1	1.10 g / cm ³
Dielectric strength	ASTM D149	20 kV / mm
Elongation after ageing test	ASTM D2671 / ISO 37 (168 h to 150°C)	500% min.
Choc thermique	ASTM D2671 (4 h to 225° C)	No dripping, flowing or cracking
Low temperature flexibility	ASTM D2671 Meth. C	No cracking to -55%
Water absorption	ASTM D 570	0.10%
Chemical resistance	-	Good to excellent

Adhesive-sealant data identical to CFM tubing (page 133).

Ordering information:

- Refer to the dimensional table and select the size which will shrink to at least the dimension required. If not fully shrunk the resultant wall thickness may be less than that indicated on the table.
- Standard colour: black
- Standard length: 1.2 m
- 3 types of CFE tubing:
 - "A": with adhesive
 - "S": with sealant
 - "U": unlined
- Example of order:
CFE tubing, with sealant- ref. 90
Order: CFE90S.

Heat gun

General features

Heat gun with 3-stage temperature switch.
Adjustable temperature and air flow control when in use.
Our heat gun offers a variety of possible applications.
Due to the light weight design of the device and the high temperature achieved, the gun can be used simply and without any fatigue.

- Output: 1800 Watts
- Temperature control:
 - Stage 1 : 50°C.
 - Stage 2 : 400°C.
 - Stage 3 : 600°C.
- Air flow rate:
 - Stage 1 : 200 l /min.
 - Stage 2 : 300 l /min.
 - Stage 3 : 500 l /min.
- Weight: 780 g
- Voltage: 220V

Item code	Part number
7 469 912	HL 1810 S



HL 1810 S

Accessories

Surface nozzle (50 mm)

Item code	Part number
7 469 902	BS 701

Surface nozzle (75 mm)

Item code	Part number
7 469 903	BS 702

Reflector nozzle (30 mm)

Item code	Part number
7 469 904	BR 705

Large reflector nozzle (75 mm)

Item code	Part number
7 469 905	BR 730

Reducing nozzle (Ø 14 mm)

Item code	Part number
7 469 907	BR 14

Reducing nozzle (Ø 20 mm)

Item code	Part number
7 469 906	BR 20



BS 701

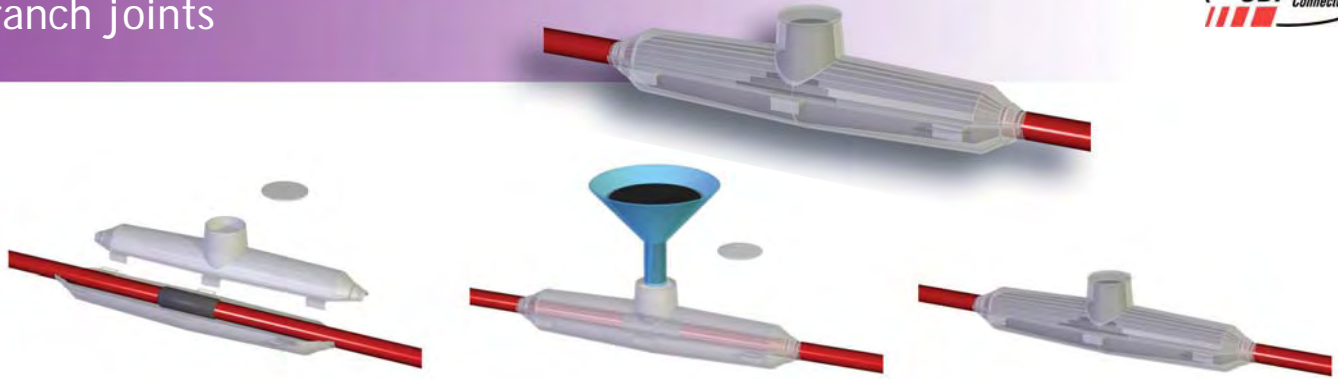


BR 705



BR 14

Low tension straight and branch joints

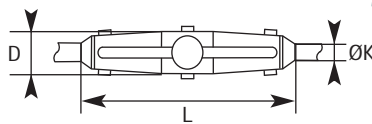


Straight joint

Standard packing in cardboard box:

- Mould
- Resin to be cast
- Sealing ribbon
- Installation instructions
- Without connectors

Application : energy, signalisation, telephony.



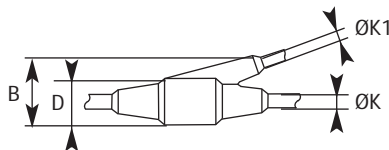
Packing / 1 piece		L (mm)	D (mm)	K (mm)	Capacity (mm ²)	Weight (Kg)
Item code	Part number					
7 901 059	BJ00	180	24	7-16	4x6	0.3
7 901 060	BJ11	190	36	14-22	4x10	0.4
7 901 061	BJ12	260	47	14-30	4x25	0.7
7 901 062	BJ13	360	55	20-37	4x50	1.1
7 901 063	BJ14	400	70	25-42	4x95	1.6

Branch joint

Standard packing in cardboard box:

- Mould
- Resin to be cast
- Sealing ribbon
- Installation instructions
- Without connectors

Application : energy, signalisation, telephony.



Packing / 1 piece		L (mm)	D (mm)	B (mm)	ØK (mm)	ØK1 (mm)	Main cable (mm ²)	Branch cable (mm ²)	Weight (Kg)
Item code	Part number								
7 901 080	BJY1	240	50	106	9-22	9-22	4x10	4x4	1
7 901 081	BJY2	285	64	120	22-39	18-35	4x16	4x10	2
7 901 082	BJY3	240	99	145	25-42	21-37	4x50	4x25	2
7 901 083	BJY4	285	100	165	29-53	21-37	4x95	4x50	2.6

Resin to be cast

- Polyurethane resin two components according to DIN VDE 0291, 2nd part, for resin boxes to be cast for low tension energy cable up to 1 KV.
- Halogen free.
- Resistant to combustion.
- Storage conditions: At ambient temperature between +15° and +35°C. Date limit of use marked on the bag.



Packing / 1 piece		Volume (ml)	Weight (Kg)
Item code	Part number		
7 907 003	EG0	143	0.23
7 907 002	EG1	286	0.41
7 907 004	EG2	464	0.625

Heat-shrink tubing: our specific packing



Display



Bilbox



Electricians kit

For any inquiry, please contact our Sales Department:
Mecatraccion: Tel : +33 (0)5 55 73 89 85 - Email: sales@mecatraction.com
SBI: Tel : +34 93 771 58 44 - Email: info@sbiconnect.es



Cable ties and accessories



Cable ties

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Removable notched cable ties

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Fixing accessories

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Cable ties and cabling accessories

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Installation tools

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Stainless steel cable ties

162

Cable ties and accessories

Cable ties



General features

CCI series

- Material: RoHS copolymer
- Halogen free
- Melting temperature: 186°C
- External notches
- Flammability rating : UL 94 HB
- Limit oxygen index (LOI): 22%
- Operating temperature: -45°C to +85°C
- Assembling temperature: -30°C to +60°C
- Regain of humidity: < 1%
- Good resistance to: bases, oils, greases, hydrocarbons, salt fog
- Good resistance to ultra-violet rays
- Fumes corrosivity: NFC 20-453: <5%
- Non resistant to chlorinated solvents



Compliant with **EN 50146** standard

Packing 100 pieces / box		Max bundle Ø (mm)	Min tensile strength (daN)	Length (mm)	Width (mm)
Item code	Part number				
7 101 000	CCI 6-115	25	28	115	6
7 101 010	CCI 6-180	45	28	180	6
7 101 020	CCI 6-290	78	28	290	6
7 101 030	CCI 6-360	100	28	360	6
7 101 035	CCI 9-132	27	39	132	9
7 101 040	CCI 9-180	40	39	180	9
7 101 050	CCI 9-265	62	54	260	9
7 101 060	CCI 9-360	93	54	360	9
7 101 070	CCI 9-510	140	55	510	9
7 101 080	CCI 9-760	220	55	760	9

General features

CCM series

- Material: black polyamide 6.6
- Halogen free
- Melting temperature: 261°C
- External notches
- Flammability rating: UL 94 V2
- Limit oxygen index (LOI): 26%
- Operating temperature: -30°C to +80°C
- Assembling temperature: -15°C to +60°C
- Regain of humidity: ? 2.5%
- Resistance to external agents: bases, oils, greases, hydrocarbons, salt fog
- Resistance to ultra-violet and ozone
- Limited resistance to acids
- Non resistant to chlorinated solvents, phenols



Packing 100 pieces / box		Max bundle Ø (mm)	Min tensile strength (daN)	Length (mm)	Width (mm)
Item code	Part number				
7 102 101	CCM9-42	42	35	185	9
7 102 111	CCM9-62	62	51	273	9
7 102 121	CCM9-92	92	51	360	9

Removable notched cable ties (CCD type)



General features

CCD9 series

- Material: black polyamide 12
- Halogen free
- Melting temperature: 180 °C
- Flammability rating: UL 94 HB
- Limit oxygen index (LOI): 22.5%
- Operating temperature : -45 °C to +80 °C
- Assembling temperature : -30 °C to +60 °C
- Regain of humidity: ≈ 1%
- Resistance to external agents: bases, acids, oils, hydrocarbons, salt fog
- Resistance to ultra-violet and ozone
- Non resistant to chlorinated solvents

CCD9 series



Compliant with **EDF HN 33 S 62 (07-76)** technical specification



Packing 100 pieces/box		Max bundle Ø (mm)	Length (mm)	Width (mm)
Item code	Part number			
7 100 011	CCD9-22	8 - 22	105	9
7 100 031	CCD9-42	10 - 42	187	9
7 100 041	CCD9-62	20 - 62	251	9
7 100 051	CCD9-92	20 - 92	344	9

CCD9-A series

- Material: white polyamide (internal use)
- Halogen free
- Melting temperature: 250 °C
- Flammability rating: UL 94 V0
- Limit oxygen index (LOI): 31%
- Operating temperature: -40 °C to +110 °C
- Assembling temperature : -10 °C to +50 °C
- Resistance to external agents: bases, acids, oils, hydrocarbons, salt fog

CCD9-A series



EDF (SEPTEN) homologated



Packing 100 pieces/box		Max bundle Ø (mm)	Length (mm)	Width (mm)
Item code	Part number			
7 110 101	CCD9-22 A	8 - 22	105	9
7 110 121	CCD9-42 A	10 - 42	187	9
7 110 131	CCD9-62 A	20 - 62	251	9
7 110 141	CCD9-92 A	20 - 92	344	9

Fixing accessories

General features

Material:

- Black polyamide 12
- White polyamide (internal use)

Screw-fitted supports on 7 x 150 threading for 9 mm width cable ties

Black			White		
Item code	Part number	Packing	Item code	Part number	Packing
7 100 101	EM 7	100	7 110 231	EM 7 A	100



Cable ties supports Ø 8 mm with spacing to wall 12 mm

Black			White		
Item code	Part number	Packing	Item code	Part number	Packing
7 100 111	CHEM 8	100	7 110 221	CHEM 8 A	100



Cable ties supports Ø 8 mm with spacing to wall 6 mm (polyamide 6)

Black		
Item code	Part number	Packing
7 100 113	CH 8 P	100



Housings for 9 mm width cable ties

Black			White		
Item code	Part number	Packing	Item code	Part number	Packing
7 100 141	P 9	100	7 110 262	P 9 A	100



Sheet type fixing's for 5/10 to 10/10 sheet with 7 mm Ø hole

Black			White		
Item code	Part number	Packing	Item code	Part number	Packing
7 100 131	VT 7	100	7 110 251	VT 7 A	100



Bolts for EDF cable ways with cross perforation (10 mm width)

Black			White		
Item code	Part number	Packing	Item code	Part number	Packing
7 100 121	VER	100	7 110 241	VER A	100



Cable ties and accessories



Cable ties (CCE type)



Compliant with MIL-S-23 190 E standard

General features

White

CCE...A series



Black

CCE... series



- Material: polyamide 6.6
- Halogen free
- Melting temperature: 255°C
- Flammability rating: UL 94 V2
- Limit oxygen index (LOI): 27%
- Operating temperature: -40°C to +80° C
- Assembling temperature: -10°C to +60°C
- Regain of humidity (24 hours): 1.3%
- Resistance to external agents: bases, oils, hydrocarbons, chlorinated solvents
- Limited resistance to acids
- Non resistant to phenols

Black		White		Length (mm)	Width (mm)	Max bundle Ø (mm)	Tensile strength (daN)
Item code	Part number	Item code	Part number				
Packing 100 pieces/bag							
7 133 000	CCE 80-2,5	7 133 030	CCE 80-2,5 A	80	2.5	14	8.1
7 133 001	CCE 100-2,5	7 133 031	CCE 100-2,5 A	100	2.5	20	8.1
7 133 002	CCE 160-2,5	7 133 032	CCE 160-2,5 A	160	2.5	36	8.1
7 133 005	CCE 200-2,5	7 133 035	CCE 200-2,5 A	200	2.5	50	8.1
7 133 003	CCE 140-3,6	7 133 033	CCE 140-3,6 A	140	3.6	30	18.2
7 133 007	CCE 200-3,6	7 133 037	CCE 200-3,6 A	200	3.6	50	18.2
7 133 010	CCE 295-3,6	7 133 040	CCE 295-3,6 A	295	3.6	75	18.2
7 133 004	CCE 200-4,8	7 133 034	CCE 200-4,8 A	200	4.8	50	22.2
7 133 009	CCE 295-4,8	7 133 039	CCE 295-4,8 A	295	4.8	75	22.2
7 133 011	CCE 370-4,8	7 133 041	CCE 370-4,8 A	370	4.8	100	22.2
7 133 013	CCE 430-4,8	7 133 043	CCE 430-4,8 A	430	4.8	115	22.2
7 133 006	CCE 200-7,6	7 133 036	CCE 200-7,6 A	200	7.6	50	54.5
7 133 008	CCE 290-7,6	7 133 038	CCE 290-7,6 A	290	7.6	80	54.5
7 133 012	CCE 370-7,6	7 133 042	CCE 370-7,6 A	370	7.6	105	54.5
7 133 015	CCE 550-9	7 133 045	CCE 550-9 A	550	9	140	79.4
7 133 016	CCE 762-9	7 133 046	CCE 762-9 A	762	9	190	79.4
7 133 014	CCE 550-12,7	7 133 044	CCE 550-12,7 A	550	12.7	140	113.5
7 133 017	CCE 762-12,7	7 133 047	CCE 762-12,7 A	762	12.7	190	113.5

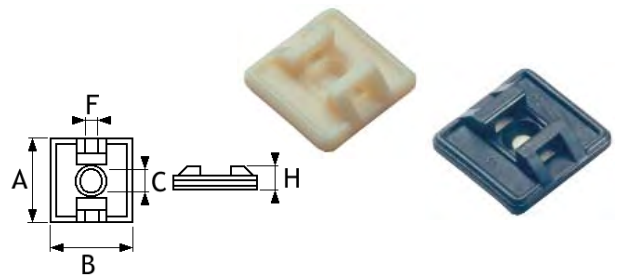
Cable tie bases

General features

Black or white polyamide 6.6, self-adhesive or screw, fixing supports for cable ties (CCE type).

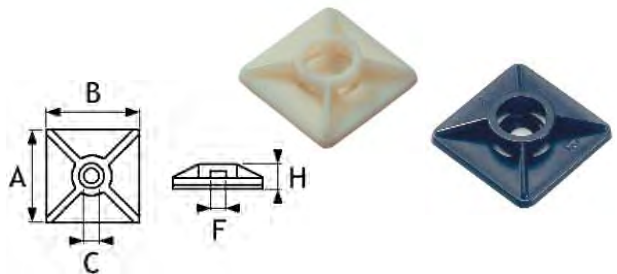
Single way self-adhesive supports

White		Black		Cable ties width (mm)	A (mm)	B (mm)	C (mm)	F (mm)	H (mm)
Packing 100 pieces/bag	Item code	Part number	Item code						
7 132 261	EAB 36 A	7 132 281	EAB 36	3.6	19	19	4.6	3.8	5
7 132 301	EAB 48 A	7 132 321	EAB 48	4.8	25	25	4.6	5.8	7



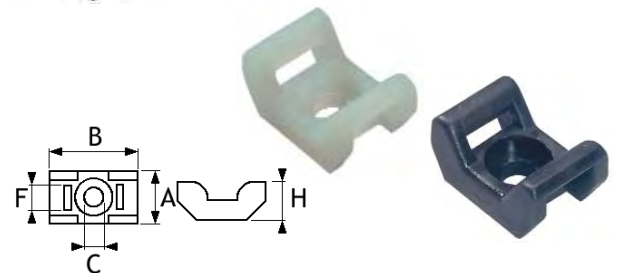
Two way self-adhesive supports

White		Black		Cable ties width (mm)	A (mm)	B (mm)	C (mm)	F (mm)	H (mm)
Packing 100 pieces/bag	Item code	Part number	Item code						
7 132 421	EAB 36 A	7 132 441	EAB 36	3.6	19	19	4.6	3.8	6
7 132 461	EAB 48 A	7 132 481	EAB 48	4.8	25	25	4.6	5.8	7



Cradles

White		Black		Cable ties width (mm)	A (mm)	B (mm)	C (mm)	F (mm)	H (mm)
Packing 100 pieces/bag	Item code	Part number	Item code						
7 132 581	EF 9 A	7 132 601	EF 9	9	15	23	5	9	9



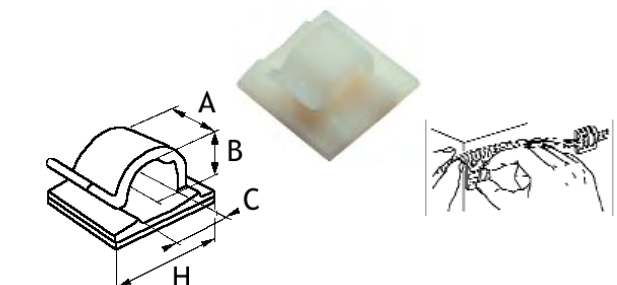
Eyelets

White		Black		Cable ties width (mm)	A (mm)	B (mm)	C (mm)	F (mm)	H (mm)
Packing 100 pieces/bag	Item code	Part number	Item code						
7 132 661	EFD 4 A	7 132 681	EFD 4	4.8	9.5	19.1	4.3	5	5



Self-adhesive cable mounts

Packing 100 pieces/bag		A (mm)	B (mm)	C (mm)	H (mm)
Item code	Part number				
7 132 701	FC 4	11	4.5	5	16
7 132 721	FC 11	12.5	7.5	11	25
7 132 741	FC 18	14	14.5	18	28



Installation tools for cable ties

General features

Hand tool for cable ties

- For cable ties from 2.2 to 4.8 mm width
- Fixing and automatic cutting of cable ties
- Metal body and handle
- Weight: 350 g



Item code: 7 500 301

Part number: 5401

General features

Hand tool for cable ties

- For plastic cable ties from 6 to 9 mm width
- Pressed steel body
- Weight: 370 g



Item code: 7 500 311

Part number: SERCOL

Stainless steel cable ties



General features

STB...M series



STB...S series



- Material: stainless steel 316
- High resistance to corrosion:
- Inside or outside use. Resists salt and the effects of chemical products
- High resistance to temperature: -80°C to +538°C
- Ball mechanism allows:
 - self-locking
 - light insertion effort
 - high resistance to snatching
 - simple and quick assembly
- Applications
 - shipbuilding
 - aeronautics
 - petrochemistry
 - offshore
 - telecommunications
 - food industry

Item code	Part number	Packing	Length (mm)	Width (mm)	Max bundle Ø (mm)	Mini tensile strength (daN)
7 135 000	STB152S	100	152	4.5	25	45.3
7 135 001	STB200S		200		50	
7 135 002	STB360S		360		102	
7 135 003	STB520S		520		152	
7 135 004	STB680S		680		203	
7 135 005	STB840S		840		254	
7 135 006	STB1050S	25	1 050		318	
7 135 007	STB152M	50	152	8	25	113.3
7 135 008	STB200M		200		50	
7 135 009	STB360M		360		102	
7 135 010	STB520M		520		152	
7 135 011	STB680M		680		203	
7 135 012	STB840M		840		254	
7 135 013	STB1050M	25	1 050		318	

Tool for stainless steel cable ties

General features

- Allows fixing and cutting of stainless steel cable ties from 4.5 to 12 mm width.

Item code: 7 500 312

Part number: STG200





Tooling

Compression tools, cable-cutters, stripping tools, punches



Tooling for preinsulated terminals



164

Tooling for cable end sleeves



170

Tooling for tubular lugs, aluminium and copper/alu lugs, sleeves and splices



177

Cable-cutters, stripping tools, punches



209

Selection tables

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Tooling Compression tools, cable-buffers, stripping tools, punches

Hand tools for preinsulated terminals

Crimping of preinsulated terminals

Hand crimping tools for preinsulated products

- Crimping of yellow preinsulated disconnects from 0.1 to 0.4 mm².
- Max insulating diameter: 2.1 mm.

0.1 to 0.4 mm²

General features

- Aluminium body
- Low gearing for ease of use
- High quality crimping by linear movement of dies
- Adjustable crimping of cable insulation
- Safety rack
- Positioning stop

Delivered in individual box with instruction leaflet

- Length: 290 mm
- Weight: 0.490 kg

Complementary accessories: PG11: go-no go gauge



Item code	Part number
7 500 591	TH 11

Hand crimping tools for preinsulated products

- Crimping of red preinsulated products from 0.34 to 1.5 mm².

0.34 to 1.5 mm²

General features

- Aluminium body
- Low gearing for ease of use
- High quality crimping by linear movement of dies
- Adjustable crimping of cable insulation
- Safety rack
- Positioning stop

Delivered in individual box with instruction leaflet

- Length: 290 mm
- Weight: 0.500 kg

Complementary accessories:

- HD28: stop for 2.8 mm disconnects
- HD28-90: stop for 2.8 mm disconnects crimped on edge (90°)
- HF21: stop for sleeves with inspection hole
- PG1: go-no go gauge



Item code	Part number
7 500 501	TH 1

Hand crimping tools for preinsulated products

- Crimping of blue preinsulated products from 1 to 2.5 mm².

1 to 2.5 mm²

General features

- Aluminium body
- Low gearing for ease of use
- High quality crimping by linear movement of dies
- Adjustable crimping of cable insulation
- Safety rack
- Positioning stop

Delivered in individual box with instruction leaflet

- Length: 290 mm
- Weight: 0.500 kg

Complementary accessories:

- HF21: stop for sleeves with inspection hole
- PG2: go-no go gauge



Item code	Part number
7 500 502	TH 2

Hand tools for preinsulated terminals

Crimping of preinsulated products

Hand crimping tools for preinsulated products

- Crimping of yellow preinsulated products from 2.6 to 6 mm².
- Max insulating diameter: 6.8 mm.

2.6 to 6 mm²



General features

- Steel body
- Low gearing for ease of use
- High quality crimping by linear movement of dies
- Adjustable crimping of cable insulation
- Safety rack
- Positioning stop for terminals, disconnects end-splices and sleeves with inspection hole

Delivered in individual box with instruction leaflet

- Length: 330 mm
 - Weight: 0.900 kg
 - Handles colour: one yellow and one white
- Complementary accessories: PGH3: go-no go gauge



Item code	Part number
7 500 507	TH 3

Hand crimping tools for terminals, disconnects and waterproof connectors

- Crimping of preinsulated waterproof products from 0.5 to 6 mm².

0.5 to 6 mm²



General features

- PVC insulated handles
- Safety rack
- Length: 258 mm
- Weight: 0.580 kg

Item code	Part number
7 500 420	PM 2000G



Hand crimping tools for preinsulated products

Tool for general purposes

- Crimping of preinsulated terminals and disconnects from 0.34 to 6 mm².
- End cut
- Strip
- Cut brass screws

0.34 to 6 mm²



General features

- PVC insulated handles
- Length: 225 mm
- Weight: 0.220 kg

Item code	Part number
7 500 151	UNISERT



Hand tools for preinsulated terminals

Crimping of preinsulated products

Click'n'crimp hand tools

0.5 to 6 mm²



General features

- Innovative, patented crimping tool system for most cable connectors.
- Crimping plier with interchangeable dies.
- Dies slide easily into the jaws of the tool.
- Two further dies can be stored within the handles of the tool.
- Adjustable ratchet controlled mechanism.
- Ergonomic design, soft grip handles.
- Length : 250 mm
- Weight : 0.690 kg



Hand crimping tool for preinsulated terminals from 0.5 to 6 mm²

- Hand crimping tool including dies for preinsulated terminals red - blue - yellow from 0.5 to 6 mm².

Item code	Part number
7 500 041	CCRIMP056

Hand crimping tool body and interchangeable dies

- Hand crimping tool body without dies:

Item code	Part number
7 500 040	CCRIMP

- Interchangeable dies:

- die for preinsulated terminals red - blue - yellow from 0.5 to 6 mm²

Item code	Part number
7 500 042	MCCI056

- die for non insulated cable lugs from 1.5 to 10 mm²

Item code	Part number
7 500 043	MCCNI1510

- die for insulated and non insulated end sleeves from 0.5 to 10 mm²

Item code	Part number
7 500 044	MCCAHO510

- die for insulated and non insulated end sleeves from 16 to 35 mm²

Item code	Part number
7 500 045	MCCAHO1635

- die for 6.35 mm receptables and tabs from 0.5 to 6 mm²

Item code	Part number
7 500 046	MCCOB056



Hand tools for preinsulated and non insulated terminals

MR8 GE3

Hand tools for preinsulated terminals (YAEV, YAE, YSE series)

General features

- High strength aluminium-alloy body
- Long life expectancy with fully protected ratchet mechanism
- For use on insulated terminals and splices
- Length: 265 mm
- Weight: 0.770 kg

Application

- 1 - 2.5 - 6 mm² (YAEV, YSEV, YAE, YSE series)



Item code	Part number
7500250	MR8GE3

MR8 9Q

Hand tools for non insulated terminals (YAV, YSV, BY, BY-BYSM series)

General features

- Aluminium hand tool with ratchet control
- For use on non insulated terminals and splices
- Length: 265 mm
- Weight: 0.770 kg

Application

- 1 - 2.5 - 6 mm² : (YAV, YSV, BY, BY-BYSM series)
- 10 mm² : (YAV, YSV, YSM series)



Item code	Part number
7500251	MR89Q

Pneumatic crimp tool

Crimping of preinsulated terminals, disconnects and end-splices

Pneumatic tool for crimping preinsulated terminals, disconnects and end-splices from 0.34 to 6 mm²

General features

- Accurate and powerful crimping
- Linear movement of dies
- Safety rack
- Positioning stop
- Working pressure: 7 bars
- Delivered with working instructions and flex for coupling to compressed air
- Length: 320 mm
- Weight: 1.500 kg



A pneumatic set consists of:

- One pneumatic jack:

Item code	Part number
7 513 012	AT201

- One of the following crimping heads:

- Crimping red products from 0.34 to 1.5 mm²

Item code	Part number
7 513 015	AT331

- Crimping blue products from 1 to 2.5 mm²

Item code	Part number
7 513 016	AT332

- Crimping yellow industrial products from 2.6 to 6 mm²
- Crimping railways products from 1 to 2.5 mm² (white insulating)
- Maxi insulating diameter: 6.8 mm

Item code	Part number
7 513 017	AT333

- Crimping railways products from 1 to 2.5 mm² (black insulating)
- And from 2.6 to 6 mm² (yellow insulating, black striped)
- Max insulating diameter: 8.8 mm

Item code	Part number
7 513 018	AT333-2

- Accessories:

- ATBA: support for stationary work, with foot control

Item code	Part number
7 514 011	ATBA

- PG1: go-no go gauge for AT331 head

Item code	Part number
7 500 801	PG1

- PG2: go-no go gauge for AT332 head

Item code	Part number
7 500 831	PG2

- PGH3: go-no go gauge for AT333 and AT333-2 heads

Item code	Part number
7 500 862	PGH3

Hand tools for closed-end wire connectors and end sleeves

Crimping of close-end wire connectors

Hand tool for close-end wire connectors

- Crimping of
 - PME1 close-end wire connectors (from 0.34 to 1.5 mm²)
 - PME2 close-end wire connectors (from 1.5 to 2.5 mm²)
 - PME3 close-end wire connectors (from 2.5 to 6 mm²)

General features

- PVC insulated handles
- Safety rack
- Length: 275 mm
- Weight: 0.430 Kg

Item code	Part number
7 500 401	PSEC7A



0.34 to 6 mm²



Hand tool for close-end wire connectors

- Crimping of
 - PME2 close-end wire connectors (from 1.5 to 2.5 mm²)
 - PME3 close-end wire connectors (from 2.5 to 6 mm²)
 - PME4 close-end wire connectors (from 6 to 10 mm²)

General features

- PVC insulated handles
- Safety rack
- Length: 320 mm
- Weight: 0.620 Kg

Item code	Part number
7 500 402	PSEC8



1.5 to 10 mm²



Hand tool for crimping end sleeves

- Crimping from 0.25 to 6 mm² end sleeves

General features

- High quality tool enabling crimping in compliance with NF C 63-023 and DIN 46228 standards.
- Only one crimping indent
- PVC insulated handles
- Safety rack
- Length: 210 mm
- Weight: 0.500 Kg

Item code	Part number
7 500 072	PZ0256

0.25 to 6 mm²



Hand tools for end sleeves

Crimping of end sleeves

Hand tool for crimping end sleeves

- Crimping from 0.5 to 6 mm² end sleeves
- 5 crimping indents

0.5 to 6 mm²



General features

- High quality tool enabling crimping in compliance with NF C 63-023 and DIN 46228 standards.
- PVC insulated handles
- Safety rack
- Length: 200 mm
- Weight: 0.350 Kg

Item code	Part number
7 500 075	DEB 0560



Hand tool for crimping end sleeves

- Crimping 10, 16 and 25 mm² end sleeves
- 3 crimping indents

10, 16 and 25 mm²



General features

- High quality tool enabling crimping in compliance with NF C 63-023 and DIN 46228 standards.
- PVC insulated handles
- Safety rack
- Length: 230 mm
- Weight: 0.540 Kg

Item code	Part number
7 500 078	CEB 1025



Hand tool for crimping end sleeves

- Crimping 35 and 50 mm² end sleeves
- 2 crimping indents

35 and 50 mm²



General features

- High quality tool enabling crimping in compliance with NF C 63-023 and DIN 46228 standards.
- PVC insulated handles
- Safety rack
- Length: 230 mm
- Weight: 0.540 Kg

Item code	Part number
7 500 079	CEB 3550



Hand tools for end sleeves

Hand tool for crimping end sleeves

- Crimping of preinsulated products from 0.08 to 10 mm².

0.08 to 10 mm²

General features

- Square crimping.
- Crimped self-adjusting
- Side crimping
- Length: 180 mm
- Weight: 0.380 Kg



Item code	Part number
7 507 113	KEB10L

Hand tool for crimping end sleeves

- Crimping of preinsulated products from 0.08 to 16 mm².

0.08 to 16 mm²

General features

- Square crimping.
- Crimped self-adjusting
- Front and side crimping
- Length: 190 mm
- Weight: 0.475 Kg



Item code	Part number
7 507 114	KEB16B

Hand tool for crimping end sleeves

- Ergonomic handles. For use on insulated and non insulated cord end sleeves (AH/AE and CE/CA/AJ series)

0.08 to 2.5 mm²

General features

- Length: 140 mm
- Weight: 0.185 Kg

Item code	Part number
7507000	Y05M1AE

Wire size: 0.08 to 0.5 mm²

Item code	Part number
7507001	Y2M6AE

Wire size: 0.5 to 2.5 mm²



Hand tool for crimping end sleeves

- Ergonomic handles. For use on insulated and non insulated cord end sleeves (AH/AE and CE/CA/AJ series)

0.25 to 50 mm²

General features

- Length: 220 mm
- Weight: 0.270 Kg

Item code	Part number
7507002	Y16M8AE

Wire size: 0.25 to 16 mm²

Item code	Part number
7507003	Y50M4AEHD

Wire size: 16 to 50 mm²



Hand tool and electric machine for crimping chain preinsulated end sleeves

Crimping of chain preinsulated end sleeves

Hand tool for crimping chain preinsulated end sleeves

- Cut and strip wires and crimp 0.5 to 2.5 mm² end sleeves
- Only one tool for 3 functions to save time

General features

- Can be used to cut and strip only
- Crimping of end sleeves by strips of 50 from 0.5 to 1.5 mm² and by strips for 2.5 mm²
- Crimping of end sleeves in compliance with DIN 46228 and NF C 63-023 standards
- Automatic lead of end sleeves
- Fast adjusting of crimping section
- The three operations are carried out without release of tool or wire
- Stripping is carried out automatically without any adjusting
- Length: 210 mm
- Weight: 0.260 Kg

0.5 to 2.5 mm²



Item code	Part number
7 500 074	PZL 025

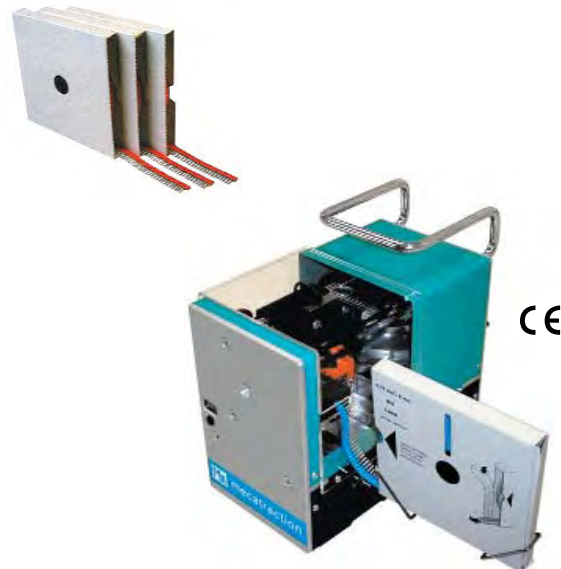
Electric machine for crimping end sleeves tape mounted

- Automatic stripping of wires and crimping of preinsulated end sleeves tape mounted from 0.5 to 2.5 mm²

General features

- Crimping of end sleeves in compliance with DIN 46228 and NF C 63-023 standards
- Delivered with 5 loading units, 5 crimping inserts and 5 spare separators
- Mains supply: 220 V - 50 Hz
- Cycle: approx. 1.5 s
- Conductor size changing: approx. 10 s
- Counter: LCD display
- Dimensions: 165 x 270 x 320 mm
- Weight: 12 Kg

0.5 to 2.5 mm²



Item code	Part number
7 490 101	MC 25

Pneumatic crimpers for loose end sleeves

Crimping of loose end sleeves

Pneumatic crimpers for crimping loose end sleeves

- Crimping of end sleeves from 0.25 to 2.5 mm²
- For production work
- Safe and regular crimping

General features

- Universal die for conductor sizes from 0.25 to 2.5 mm²
- Axial and lateral lead in
- Light and ergonomic tool
- Crimping in compliance with NF C 63-023 and DIN 46228 standards
- Body in black insulating material
- Processed steel grip
- Length x diameter: 190 x 44 mm
- Weight: 0.450 Kg
- Working pressure: 4 to 6 bars

Item code	Part number
7 513 001	AC25



Front feed for crimping insulated or non insulated end sleeves

Side feed for fast crimping with guiding cone of insulated end sleeves

Foot operated pneumatic tool for crimping loose end sleeves

- Foot operated
- Crimping of end sleeves from 0.25 to 2.5 mm²
- Easy crimping for medium and large series
- Hands remain free for handling

General features

- Dimensions: 135 x 200 x 75 mm
- Weight: 1 Kg
- Working pressure: 4 to 6 bars

Item code	Part number
7 513 003	AC25T



Pneumatic crimpers for crimping loose end sleeves

- Crimping of end sleeves from 4 to 10 mm²
- For production work
- Safe and regular crimping

General features

- Universal die for conductor sizes from 4 to 10 mm²
- Light and ergonomic tool
- Crimping in compliance with NF C 63-023 and DIN 46228 standards
- Body in black insulating material
- Processed steel grip
- Length x diameter: 190 x 44 mm
- Weight: 0.450 Kg
- Working pressure: 4 to 6 bars

Item code	Part number
7 513 002	AC100



Side feed for fast crimping with guiding cone of insulated end sleeves

Foot operated pneumatic crimpers for crimping loose end sleeves

- Foot operated
- Crimping of end sleeves from 4 to 10 mm²
- Easy crimping for medium and large series
- Hands remain free for handling

General features

- Dimensions: 135 x 200 x 75 mm
- Weight: 1 Kg
- Working pressure: 4 to 6 bars

Item code	Part number
7 513 004	AC100T



Hand tool with interchangeable dies

Crimping of non insulated products and end sleeves

Hand tool with interchangeable dies

- Can be used with all dies described below

General features

- PVC insulated handles
- Safety rack
- Length: 250 mm
- Weight: 0.480 Kg



Item code	Part number
7 500 064	061147

Interchangeable dies

Item code : 7 513 042 / Part number : RQ 0560

- Indent crimping of non insulated brazed terminals, copper tubular lugs and connectors from 0.5 to 6 mm², NF C 20-130 and CLASSIC series.

Item code : 7 513 043 / Part number : RQ 10

- Indent crimping of non insulated brazed terminals, copper tubular lugs and connectors of 10 mm², NF C 20-130 and CLASSIC series.

Item code : 7 513 044 / Part number : RQ 16

- Indent crimping of non insulated brazed terminals, copper tubular lugs and connectors of 16 mm², NF C 20-130 and CLASSIC series.

Item code : 7 513 046 / Part number : RK 1060

- Hexagonal crimping of non insulated copper tubular lugs and connectors from 1 to 6 mm², NF C 20-130 and CLASSIC series.

Item code : 7 513 045 / Part number : RP 0560

- Crimping of non insulated terminals and disconnects from 0.5 to 6 mm².

Item code : 7 513 050 / Part number : RP 0421S

- Crimping of non insulated flag receptacles from 0.25 to 1.5 mm².

Item code : 7 513 039 / Part number : AH 2560

- Crimping of end sleeves from 0.25 to 6 mm².

Item code : 7 513 065 / Part number : AH 6016

- Crimping of 6, 10 and 16 mm² end sleeves.

0.5 to 6 mm²



10 mm²



16 mm²



1 to 6 mm²



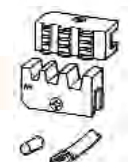
0.5 to 6 mm²



0.5 to 1.5 mm²



0.25 to 6 mm²



6, 10 and 16 mm²



Pneumatic crimping tooling

Crimping of preinsulated or non insulated products

Pneumatic jack

- Can be used either with T2 head for preinsulated products or T-WDT head with interchangeable dies (see below)

General features

- Working pressure: 7 bars
- Air consumption: 400 - 600 cm³
- Length: 270 mm
- Diameter: 45 mm
- Weight: 0.750 Kg
- Complementary equipment:
- TAP-92: support for stationary work function with foot control



Item code	Part number
7 513 037	AIR-O/VS

Crimping head

- Crimping head for preinsulated products from 0.34 to 6 mm²

General features

- 3 crimping indents (red, blue, yellow)
- Double indent dies enabling crimping and binding in only one operation
- Standard stopper for terminals and disconnects

Item code	Part number
7 513 035	T 2



0.34 to 6 mm²



Crimping head

- Crimping head with interchangeable dies

General features

- Single head receiving all dies below

Item code	Part number
7 513 041	T-WDT



Interchangeable dies

Item code : 7 513 042 / Part number : RQ 0560

- Indent crimping of non insulated brazed terminals, copper tubular lugs and connectors from 0.5 to 6 mm², NF C 20-130 and CLASSIC series

Item code : 7 513 043 / Part number : RQ 10

- Indent crimping of non insulated brazed terminals, copper tubular lugs and connectors of 10 mm², NF C 20-130 and CLASSIC series

Item code : 7 513 044 / Part number : RQ 16

- Indent crimping of non insulated brazed terminals, copper tubular lugs and connectors of 16 mm², NF C 20-130 and CLASSIC series

Item code : 7 513 046 / Part number : RK 1060

- Hexagonal crimping of non insulated copper tubular lugs and connectors from 1 to 6 mm², NF C 20-130 and CLASSIC series

Item code : 7 513 039 / Part number : AH 2560

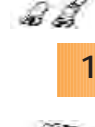
- Crimping of end sleeves from 0.25 to 6 mm²

Item code : 7 513 065 / Part number : AH 6016

- Crimping of 6, 10 and 16 mm² end sleeves



0.5 to 6 mm²



10 mm²



16 mm²



1 to 6 mm²



0.25 to 6 mm²



6, 10 and 16 mm²

Pneumatic compression tool

Crimping of preinsulated products, end sleeves and non insulated disconnects, ...

Pneumatic compression tool for crimping of preinsulated products, end sleeves and non insulated disconnects, ...

- Universal pneumatic compression tool designed to:
 - Crimping loose connections (insulated, end sleeves, non insulated, etc.)
 - Other crimping or applications: cutting, punching... consult us

General features

- Power: 12 KN
- Working pressure: 6 bars
- Quick change die system
- Safety guard
- Stroke: 38 mm
- **CE**
- Weight: 16 kg

Item code	Part number
7513019	S1200T



CE



Interchangeable dies

Dies for end sleeves from 0.5 to 16 mm²

Item code	Part number
7 513 030	D200

Dies for preinsulated connexions red, blue, yellow

Item code	Part number
7 513 032	D300R

Locator for D300R die

Item code	Part number
7 513 010	BPD300R

Dies for non insulated disconnects from 0.5 to 6 mm²

Item code	Part number
7 513 029	D100



Other dies, consult us.

Crimping of non insulated brazed terminals, copper tubular lugs and sleeves

Indent crimping hand tool

- Indent crimping from 0.5 to 10 mm² brazed terminals, tubular lugs and connectors NF C 20-130 and CLASSIC series

0.5 to 10 mm²



General features

- PVC insulated handles
- Safety rack
- Length: 260 mm
- Weight: 0.380 Kg

Item code	Part number
7 500 067	MB524



Indent crimping hand tool

- Indent crimping from 6 to 25 mm² brazed terminals, tubular lugs and connectors NF C 20-130 and CLASSIC series

6 to 25 mm²



General features

- PVC insulated handles
- Safety rack
- Length: 340 mm
- Weight: 0.660 Kg

Item code	Part number
7 500 056	MB526



Indent crimping hand tool

- Indent crimping from 10 to 70 mm² tubular lugs, NF C 20-130 and CLASSIC, PR preinsulated terminals series

10 to 70 mm²



General features

- Industrial type with die adjusted by screw
- Length: 460 mm
- Weight: 2 Kg

For non insulated tubular lugs from 6 to 70 mm²

Item code	Part number
7 501 681	MY70M

For preinsulated tubular lugs from 10 to 70 mm²

Item code	Part number
7 501 682	MY70ME



Indent crimping hand tool

- Indent crimping from 10 to 120 mm² tubular lugs, NF C 20-130 and CLASSIC, PR preinsulated terminals

10 to 120 mm²



General features

- Industrial type with die adjusted by screw
- Length: 580 mm
- Weight: 3.7 Kg

For non insulated tubular lugs from 10 to 120 mm²

Item code	Part number
7 501 683	MY2913GE2

For preinsulated tubular lugs from 10 to 95 mm²

Item code	Part number
7 501 684	MY286



Mechanical hand tools

Crimping of non insulated brazed terminals, copper tubular lugs and connectors

Hexagonal crimping hand tool

- Hexagonal crimping from 6 to 50 mm² copper tubular lugs and connectors

General features

- Conductor size adjustment by rotating dies
- Length: 400 mm
- Weight: 1.305 Kg
- Box on request, Item code CPTN 50 HX

6 to 50 mm²



Item code	Part number	For lugs serie
7 503 151	MD50HX	CT
7 503 150	MD50CU	CU
7 503 157	MD50D	YCA
7 503 155	MD50DM	YAVDM
	MD50YAV	YAV



Hexagonal crimping hand tool

- Hexagonal crimping from 6 to 120 mm² copper tubular lugs and connectors (except MD120D : 10 to 120 mm²)

General features

- Conductor size adjustment by rotating dies
- Length: 660 mm - Weight: 3.000 kg
- Box on request - Item code : 7 503 154 / Part number : CMTN 120 HX

6 to 120 mm²



Item code	Part number	For lugs serie	Item code	Part number	For lugs serie
7 503 152	MD 120 HX	CT	7 503 158	MD 120 D	YCA
7 503 149	MD 120 CU	CU	7 503 156	MD 120 DM	YAVDM



Double indent crimping hand tool

General features

- Power: 25 KN
- Double indent crimping
- Mechanical tool operated with one hand
- Tipping head
- Quick change system
- Length: 300 mm
- Weight: 1.3 Kg
- Delivered in metal box

10 to 50 mm²



6 to 35 mm²

Item code	Part number	For lugs serie
7 506 050	MRD26T4CM	CT
7 506 053	MRD26T1CM	YAV
7 506 052	MRD26T2CM	MB and BY



Hexagonal crimping hand tool

- Crimping of non insulated copper tubular lugs and connectors from 10 to 70 mm² (NF C 20-130 series)

General features

- Power: 25 KN
- Mechanical tool operated with one hand
- Tipping head
- Hexagonal dies listed below
- Quick change system
- Length: 270 mm
- Weight: 1.2 Kg
- Delivered in metallic box

6 to 70 mm²



Item code	Part number
7 506 130	MRD26T*



Hexagonal dies



Item code	7 506 140	7 506 140	7 506 150	7 506 160	7 506 170	7 506 180	7 506 190
Part number	D2HCU6	D2HCU10	D2HCU16	D2HCU25	D2HCU35	D2HCU50	D2HCU70
Conductor size	6	10	16	25	35	50	70

* Please advise punch and die types when ordering.

40 kN Mechanical hand tool
35 kN Hydraulic hand compression tool

Crimping of tubular lugs and connectors, preinsulated tubular lugs (YAEV) and C type connectors

Light tool for compressing Cu-CU, Al-Al and Al-Cu terminals, splices and tap-off connectors with interchangeable dies type "W". Equipped with wooden handles and dies type BG and D3.

6 to 120 mm²



General features

- Power: 40 kN
- Length: 645 mm
- Weight: 2.7 kg

With D3 and BG groove

Item code	Part number
7504050	MD6

With O and D3 groove

Item code	Part number
7504052	MD6-8

With D3 groove

Item code	Part number
7504051	MD6-6

Metal box on request

Item code	Part number
7504053	CMMD6



crimping dies see page : 218 to 223

For crimping of copper tubular lugs and butt connectors

PHD35 hydraulic hand compression tool

Light and ergonomic hydraulic hand compression tool enables crimping (with one hand) of copper tubular lugs and butt connectors CT series from 4 to 150 mm², YCA series from 6 to 95 mm² and YAV-DM/DE... series from 6 to 150 mm².

General features

- Single gear pump
- Power: 35 kN
- Fast closing and opening head rotates through 360°
- Automatic release with audible clic when the 35 kN power is reached
- Ram return by a decompression lever
- Weight : 1.370 kg
- Dimensions: 215 x 50 x 175 mm
- Tool delivered with a plastic box which can accommodate 10 sets of dies.

Item code	Part number
7 500 650	PHD35



Hexagonal dies for lugs and butt connectors : CT, YCA and YAV-DM/DE...series, see page : 218, 219, 220, 224

Crimping capacity		Products series	Sections (mm ²)	Die P / N	Types of dies
Copper tubular lugs and sleeves		CT	4 - 150	D35HCU...	
		YAVDM / DE	6 - 150	D35R...	
		YCA	6 - 95	D35K...	

crimping dies see page : 218-219-220-224

50 kN Mechanical hand compression tool

For crimping of tubular lugs, connectors and butt connectors







PMM1 mechanical hand tool



General features

- Power: 50 kN
- Fast closing and opening head
- Quick change die system
- Ratchet controlled mechanism ensures a complete crimping operation
- PVC insulated handles
- Single sided or reversible dies
- Length: 420 mm
- Weight: 2 kg

Item code	Part number
7 504 001	MRD50

Crimping capacity		Products series	Section (mm ²)	die P/N	Types of dies
Non insulated brazed terminals		MB	6 - 120	D5MUJ... / D5PUJ	
		BY			
Copper tubular lugs and sleeves		CT	4 - 120	D5HCU...	
		YAVDM / DE	6 - 185	55MH... / D5R...	
		YCA	6 - 120	50MH... / D5K...	
		CU	6 - 150	D5ECU...	
ALuminium-copper lugs hexagonal type		ICAU / ICAUC	35 - 120	D5E...	

Crimping dies: see page 218 to 224

Accessories*

- Box

Item code	Part number
7 504 002	CMMRD50

- Gauge

Item code	Part number
7 504 003	PGM 1



CMM 1

* accessories and dies to be ordered separately.

50 kN Hydraulic hand compression tool








For crimping of tubular lugs, connectors and butt connectors

HVD51 hydraulic hand tool



General features

- Single gear pump
- Power: 50 kN
- Adjustable ram start position for quicker operating cycle (patented system)
- Fast closing and opening head rotates through 180°
- Automatic pressure release
- Ram return by a decompression lever
- Single sided or reversible dies
- Length: 370 mm
- Weight: 1.900 kg

Crimping capacity		Products series	Section (mm ²)	die P/N	Types of dies
Non insulated brazed terminals		MB	6 - 120	D5MUJ... / D5PUJ	
		BY			
Copper tubular lugs and sleeves	 	CT	4 - 150	D5HCU...	
		YAVDM / DE	6 - 185	55MH... / D5R...	
		YCA	6 - 120	50MH... / D5K...	
		CU	6 - 150	D5ECU...	
ALuminium-copper lugs hexagonal type		ICAU / ICAUC	35 - 120	D5E...	

Crimping dies: see page 218 to 224

Item code	Part number
7 512 805	HVD 51

Accessories*

- Box

Item code	Part number
7 512 806	CPHVD 51

- Inspection dynamometer

Item code	Part number
7 512 089	DY 50-65 CM



CPHVD 51

* accessories and dies to be ordered separately.

50 kN Cordless electro-hydraulic compression tool

For crimping of tubular lugs, connectors and butt connectors

ED52 Hydraulic compression tool with integral electric motor



General features

- Power: 50 kN
- Compact electro-hydraulic compression crimping tool requires 14.4 V battery, NiCd or Ni-MH type
- Double pressure stage (fast advance system)
- Ram return to assist with any necessary corrections of alignment prior to the crimping procedure
- Audible "click" and automatic release of pressure when crimping has been completed
- LED indicating the battery status
- Crimping capacity: 220 to 450 crimping operations with a 3 Ah new battery
- Crimping time: 2 to 4 s
- Operating temperature: from -15°C to + 40°C
- Dimensions: 340 x 315 x 75 mm with battery
- Weight: 3.6 kg with battery

Item code	Part number
7 512 131	ED 52

Accessories*

- Carrying case



CMED 52

Item code	Part number
7 512 129	CMED 52

Crimping capacity		Products series	Section (mm ²)	die P/N	Types of dies
Non insulated brazed terminals		MB	6 - 120	D5MUJ... / D5PUJ	
		BY			
Copper tubular lugs and sleeves		CT	4 - 150	D5HCU...	
		YAVDM / DE	6 - 185	55MH... / D5R...	
		YCA	6 - 120	50MH... / D5K...	
		CU	6 - 150	D5ECU...	
ALuminium-copper lugs hexagonal type		ICAU / ICAUC	35 - 120	D5E...	

Crimping dies: see page 218 to 224



* Batteries, chargers and accessories to be ordered separately, see page 197.

54 kN Hydraulic hand tool

For crimping of Cu, Alu and Cu-Al terminals, splices and connectors



Y500CT

General features

- Tool for compressing Cu-Cu, Al-Al and Cu-Al terminals, splices and tap-off connectors with interchangeable dies type "W". Supplied with "D3" type die.
- Compact tool and lightweight. It is suitable for use in difficult access zones. Special design type latch.
- Equipped with ergonomic arms and audible "Click" ratchet.
- 180° head rotation
- Power: 54KN
- Delivered in a plastic box
- Length: 383mm
- Weight: 2.7Kg
- Supplied in carrying case with dies compartment.

Item code	Part number
7512809	Y500CT

Crimping capacity		Products series	Section (mm ²)	die P/N	Types of dies
Non insulated brazed terminals		BY	10 - 120	WV / WP	
Copper tubular lugs and sleeves		YAVDM / DE	6 - 185	WDGE1T	
		YCA	6 - 185	WDKT	
		YAV	10 - 185	W...	
		CTUCF	6 - 150	WS...	
Preinsulated tubular lugs and sleeves		YAEV	10 - 120	W...ET	
C type connectors		C / YC	6 - 70	W...	

Crimping dies: see page 218 to 223

60 kN Hydraulic hand tools and compression head

For crimping of DIN and VDE lugs and butt connectors

HCN60 hydraulic hand compression tool



General features

- Power: 60 kN
- Two gear pump
- 180° rotating head
- Length: 462 mm
- Weight: 3.400 Kg
- Box on request:
- Item code: 7 512 116 / Part number: CMHCN 60



CMHCN 60

Item code	Part number
7 512 117	HCN60

SCN60 hydraulic quick release compression head



General features

- Max. pressure: 700 bars
- Power: 60 kN
- Length: 290 mm
- Weight: 1.500 Kg
- Fitted with a semi-coupler (please state type, see page 204)
- Box on request:
- Item code: 7 512 119 / Part number: CMSCN 60

Item code	Part number
7 512 118	SCN60K
7 512 139	SCN60E
7 512 140	SCN60X
7 512 137	SCN60MK

Dies for HDN60, HCN60 and SCN60 tools

Crimping capacity	Products series	Section (mm ²)	die P/N	Types of dies
Copper tubular lugs and sleeves	YAVDM / DE	6 - 300	N6R...	
	YCA	6 - 240	N6K...	
	DEF	10 - 185	N6F...	

Crimping dies: see page 219 to 221

60 kN Hydraulic hand tool and compression head

For crimping of tubular lugs and butt connectors
NFC 20130, DIN and VDE, and alu/copper lugs

HDC60 hydraulic hand compression tool



CMHDC 60

General features

- Power: 60 kN
- Two gear pump
- 180° rotating head
- Length: 460 mm
- Weight: 2.700 kg
- Box on request:
Item code: 7 512 111 / Part number: CMHDC 60

Item code	Part number
7 512 110	HDC60

SDC60 hydraulic quick release compression head



General features

- Max. pressure: 700 bars
- Power: 60 kN
- Length: 258 mm
- Weight: 1.700 kg
- Box on request:
Item code: 7 512 141 / Part number: CMSDC 60
- Fitted with a semi-coupler
(please state type, see page 204)

Item code	Part number
7 512 133	SDC60K
7 512 134	SDC60E
7 512 135	SDC60X
7 512 136	SDC60MK

Dies for HDC60 and SDC60 compression tools

Crimping capacity		Products series	Section (mm ²)	die P/N	Types of dies
Non insulated brazed terminals		MB			
		BY	10 - 120	C6DMB	
Copper tubular lugs and sleeves		CT	6 - 300	C6HCU...	
		YAVDM / DE	6 - 300	C6R...	
		YCA	6 - 240	C6K...	
		DEF	10 - 300	C6F...	
		CU	6 - 240	C6ECU...	
Preinsulated tubular lugs and sleeves		C / YC	6 - 35	C6...	
C type connectors		ICAU / ICAUC	35 - 300	C6E...	

Crimping dies: see page 218 to 224

60 kN Cordless electro-hydraulic compression tool

For crimping of tubular lugs and butt connectors NFC 20130, DIN and VDE, and alu/copper lugs

EDC62 Hydraulic compression tool with integral electric motor



General features

- Power: 60 kN
- Compact electro-hydraulic compression crimping tool requires 14.4 V battery, NiCd or Ni-MH type
- Double pressure stage (fast lead system)
- Ram return to assist with any necessary corrections to alignment prior to the crimping procedure
- Audible "click" and automatic release of pressure when crimping has been completed
- LED indicating the battery status
- Crimping capacity: 220 to 450 crimping operations with a 3 Ah new battery
- Crimping time: 2 to 4 s
- Operating temperature: from -15°C to + 40°C
- Dimensions: 340 x 315 x 75 mm with battery
- Weight: 4.350 kg with battery

Item code	Part number
7 512 113	EDC 62



CMEDC 62

Item code	Part number
7 512 123	CMEDC 62



Dies for HDC60 and SDC60 compression tools

Crimping capacity	Products series	Section (mm ²)	die P/N	Types of dies
Non insulated brazed terminals	MB			☑
	BY	10 - 120	C6DMB	
Copper tubular lugs and sleeves	CT	6 - 300	C6HCU...	☑
	YAVDM / DE	6 - 300	C6R...	
	YCA	6 - 240	C6K...	
	DEF	10 - 300	C6F...	
Preinsulated tubular lugs and sleeves	CU	6 - 240	C6ECU...	☑
	C / YC	6 - 35	C6...	
C type connectors	ICAU / ICAUC	35 - 300	C6E...	☑

Crimping dies: see page 218 to 224

* Batteries, chargers and accessories to be ordered separately, see page 197.

Compression tools for crimping of tubular lugs, and connectors (70 to 80 kN)

For crimping of tubular lugs, alu/copper lugs, butt connectors and connectors

PMM2 mechanical hand tool

General features

- Power: 70 kN
- Quick change die system
- Ratchet controlled mechanism ensures a complete crimping operation
- PVC insulated handles
- Single or reversible interchangeable dies
- Length: 685 mm
- Weight: 4.600 kg

Item code	Part number
7 504 011	MRH70



- Box on request:
Item code: 7 504 012 / Part number: CMMRH70
- Inspection possibility with gauge:
Item code: 7 504 013 / Part number: PGM 2

HH80 hydraulic hand tool

General features

- Two gear pump
- Power: 80 KN
- Automatic pressure release
- PVC insulated handles
- Single sided or reversible dies
- Length: 590 mm
- Weight: 4.900 Kg

Item code	Part number
7 512 801	HH 80



- Box on request:
Item code: 7 512 802 / Part number: CMHH 80

SH80CM quick release hydraulic compression head






General features

- Power: 80 kN
- Connectable to 700 bar hydraulic pump
- Length: 210 mm
- Weight: 2.350 Kg
- Delivered in metal box
- Fitted with a semi-coupler
(please state type, see page 204)

Item code	Part number
7 510 101	SH 80K CM
7 510 102	SH 80E CM
7 510 103	SH 80X CM
7 510 100	SH 80MK CM

Dies for MRH70, HH80 and SH80CM compression tools

Crimping capacity	Products series	Section (mm ²)	die P/N	Types of dies
Copper tubular lugs and sleeves	CT	6 - 240	H8HCU...	
C type connectors	C / YC	6 - 50	H8...	
Aluminium-copper lugs hexagonal type	ICAU / ICAUC	35 - 300	H8E...	

Crimping dies: see page 218, 221, 222, 223, 224

80 kN Cordless electro-hydraulic compression tool

For crimping of tubular lugs, alu/copper lugs, butt connectors and connectors

EDC82 Hydraulic compression tool with integral electric motor



General features

- Power: 80 kN
- Compact electro-hydraulic compression crimping tool requires 14.4 V battery, NiCd or Ni-MH type
- Double pressure stage (fast advance system)
- Ram return to assist with any necessary correction of alignment prior to the crimping operation
- Audible "click" and automatic release of pressure when crimping has been completed
- LED indicating the battery status
- Crimping capacity: 95 to 190 crimping operations with a 3 Ah new battery
- Crimping time: 3 to 6 s
- Operating temperature : from -15°C to + 40°C
- Dimensions: 340 x 315 x 75 mm with battery
- Weight : 4.350 Kg with battery

Item code	Part number
7 512 078	EDC 82



CMEDC 82

Item code	Part number
7 512 079	CMEDC 82

Dies for EDC82 compression tools

Crimping capacity	Products series	Section (mm²)	die P/N	Types of dies
Copper tubular lugs and sleeves	CT	6 - 300	C8HCU...	
C type connectors	C / YC	6 - 50	C8HCU...	
Aluminium-copper lugs hexagonal type	ICAU / ICAUC	35 - 300	C8E...	

Crimping dies: see page 218, 223, 224

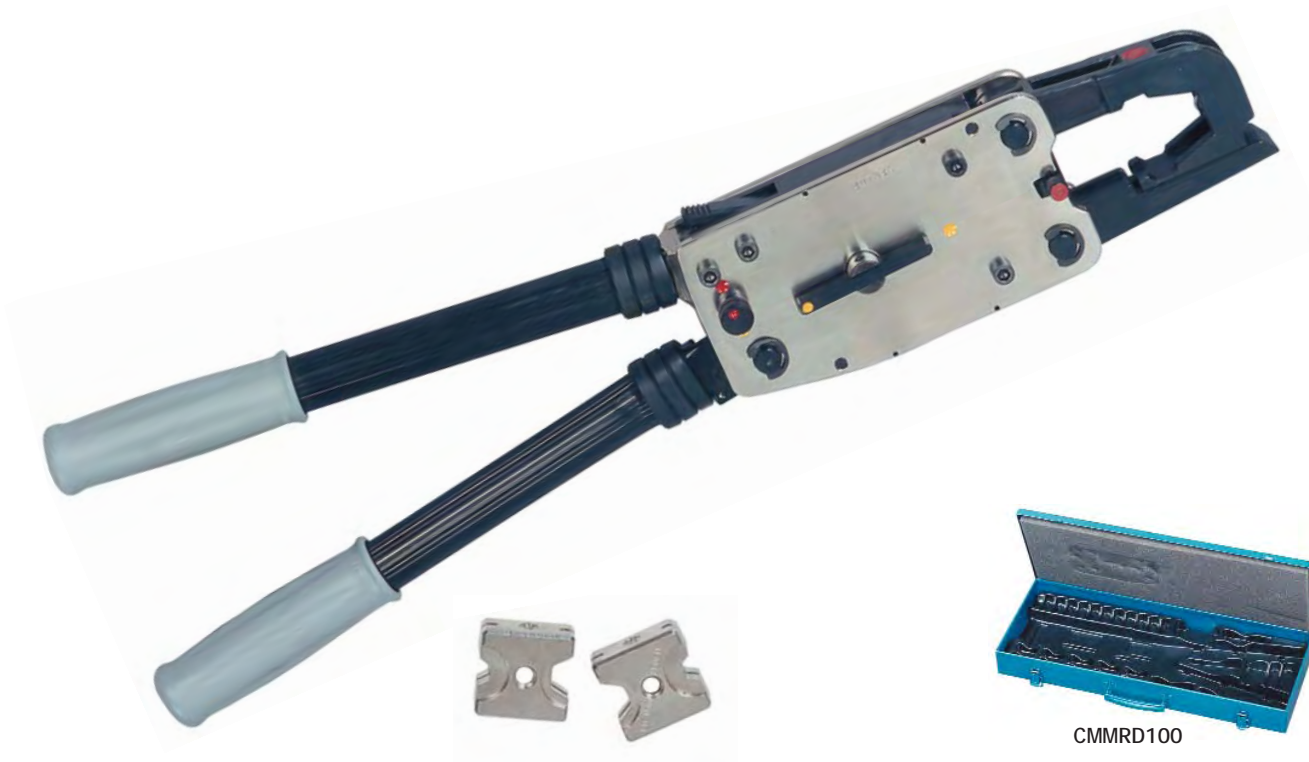


* Batteries, chargers and accessories to be ordered separately, see page 197.

100 kN mechanical hand tool

Crimping of tubular lugs, splices and connectors

Mechanical hand tool MRD100



General features

- Power: 100 kN
- Quick change die system
- Ratchet controlled mechanism ensures a complete crimping operation
- Opening head
- PVC insulated handles
- Single or reversible interchangeable dies
- Length: 540 mm
- Weight: 4.200 kg

Item code	Part number
7 504 031	MRD100

Accessories

- Box:

Item code	Part number
7 504 032	CMMRD100

Dies for EDC82 compression tools

Crimping capacity	Products series	Section (mm ²)	die P/N	Types of dies
Copper tubular lugs and sleeves	CT	35 - 300	D10HCU...	
C type connectors	C / YC	16 - 50	D10HCU...	
Aluminium-copper lugs hexagonal type	ICAU / ICAUC	35 - 300	D10E...	

Crimping dies: see page 218, 223, 224

120 kN Hydraulic hand tool and compression head

Crimping for tubular lugs, aluminium-copper lugs,

HC 120 hydraulic hand compression tool



- Box on request:

General features

- Power: 120 kN
- Two gears pump
- "C" shape head, rotating on 180°
- Automatic pressure release
- Ram stroke: 25 mm
- PVC insulated handles
- Half-round dies
- Length: 690 mm
- Weight: 6.000 kg



CPHC 120

Item code	Part number
7 512 010	HC 120

Item code	Part number
7 512 011	CPHC 120

SC 120 CM hydraulic compression head



General features

- Power: 120 kN
- "C" shape head, rotating on 180°
- Ram stroke: 25 mm
- To be connected to 700 bar hydraulic pump: see page
- Length: 185 mm
- Weight: 3.800 kg
- Delivered in a metal box
- Fitted with a semi-coupler (please state type: see page 204)

Item code	Part number
7 510 111	SC 120K CM
7 510 112	SC 120E CM
7 510 113	SC 120X CM
7 510 114	SC 120MK CM

Crimping capacity	Products series	Section (mm²)	die P/N	Types of dies
Non insulated brazed terminals	BY	10 - 240	UVB... + Y35P1...	
Copper tubular lugs and sleeves	CT	6 - 400	C12HCU...	
	YAVDM / DE	6 - 300	C12R... U...DGETT	
	YCA	6 - 300	C12K... UDK...	
	CU	6 - 300	C12ECU...	
	YAV	10 - 400	U...BGE1T	
		10 - 300	U...C + Y35P1	
Preinsulated tubular lugs and sleeves	CTUCF	6 - 240	USB	
		10 - 240	U...C + Y35P1	
C type connectors	YAEV	10 - 120	U...ET	
ALuminium-copper lugs hexagonal type	C / YC	6 - 185	C12... / U...	
	ICAU / ICAUC	35 - 300	C12E...	

Crimping dies: see page 218 to 225

120 kN Hydraulic hand tools and compression head

For crimping Cu, Al and Al-Cu terminals, splices and connectors

General features

- Tool for compressing Cu and Al terminals, splices and tap-off connectors.
- Use of interchangeable U type dies for multiple applications. Rapid ram advance rotating handle provided with a fast forward piston and easy die change accomplished with push button die locks.
- Reliable connections, controlled by means of a safety valve calibrated in factory.
- A wide range of dies are available to install a great number of connectors.
- 180° head rotation
- Power: 120kN
- Ram stroke: 24.1mm
- Supplied in a metal box which has placement for dies
- Length: 575mm
- Weight: 6Kg



Y35

Item code	Part number
7512013	Y35

General features

- Remote head with the same technical characteristics as the Y35 tool.
- Standard male connector of 3/8 "NPT" (MK assembly), for connecting to a 700 bars pump.
- For other connections consult the couplers section from the "Accessories" chapter.
- Power: 120kN
- Length: 240mm
- Weight: 3Kg
- Supplied in a metal box.



Y35BH

Item code	Part number
7512014	Y35BH

Crimping capacity		Products series	Section (mm ²)	die P/N	Types of dies
Non insulated brazed terminals		BY	10 - 240	UVB... + Y35P1...	
Copper tubular lugs and sleeves		CT	6 - 400	C12HCU...	
		YAVDM / DE	6 - 300	C12R... U...DGE1T	
		YCA	6 - 300	C12K... UDK...	
		CU	6 - 300	C12ECU...	
		YAV	10 - 400	U...BGE1T	
			10 - 300	U...C + Y35P1	
CTUCF	6 - 240	USB			
	10 - 240	U...C + Y35P1			
Preinsulated tubular lugs and sleeves		YAEV	10 - 120	U...ET	
C type connectors		C / YC	6 - 185	C12... / U...	
ALuminium-copper lugs hexagonal type		ICAU / ICAUC	35 - 300	C12E...	

Crimping dies: see page 218 to 225

Hydraulic compression head

For crimping of tubular lugs and connectors

General features

- Compact crimping head with 50.8mm opening that accepts interchangeable dies type "P".
- Standard male connector of 3/8 "NPT" (MK assembly), for connecting to 700 bars pumps.
- For other connections consult the couplers section from the "Accessories" chapter.
- Supplied in metal box.
- Power: 136KN
- Length: 381mm
- Weight: 7.3Kg

Use of interchangeable U / C12 type dies for multiple applications using adaptor: PUADP1

dies type "P-U/C12"








Item code	Part number
7510120	Y46

* only for EU



Y 46

Dies for Y46 compression tools

Crimping capacity		Products series	Section (mm ²)	die P/N	Types of dies
Copper tubular lugs and sleeves		CT	6 - 400	C12HCU...	
		YAVDM / DE	6 - 300	C12R... U...DGE1T	
		YCA	6 - 300	C12K... UDK...	
		CU	6 - 300	C12ECU...	
		YAV	10 - 700	U...BGE1T	
			10 - 300	U...C + Y35P1	
		350 - 800	P...D + P44PR		
C type connectors		C / YC	6 - 240	C12... / U... / P...	

Crimping dies: see page 218, 219, 220, 221, 224, 225

120 kN Cordless electro-hydraulic compression tool

Crimping of tubular lugs, aluminium-copper lugs, splices and connectors

EC 127 hydraulic compression tool with integrated electric motor



General features

- Power: 120 kN.
- Compact electro-hydraulic compression crimping tool requires 14.4 V battery, Ni-Cd or Ni-MH type.
- Double pressure stages (fast advance system).
- Ram return to assist with any necessary corrections to alignment prior to the crimping procedure
- Audible "click" and automatic release of pressure when crimping has been completed
- LED indicating the battery status
- Ram stroke: 25 mm
- Crimping capacity: 60 to 120 crimping operations with a 3 Ah new battery
- Crimping time: 5 to 10 s
- Operating temperature: from -15°C to + 40°C
- Dimensions: 385 x 315 x 75 mm with battery
- Weight: 6.280 kg with battery

Item code	Part number
7 511 990	EC 127













Accessories*

- Carrying box



CMEC 127

Item code	Part number
7 511 991	CMEC 127

Crimping capacity		Products series	Section (mm ²)	die P/N	Types of dies
Non insulated brazed terminals		BY	10 - 240	UVB... + Y35P1...	
Copper tubular lugs and sleeves		CT	6 - 400	C12HCU...	
		YAVDM / DE	6 - 300	C12R... U...DGE1T	
		YCA	6 - 300	C12K... UDK...	
		CU	6 - 300	C12ECU...	
		YAV	10 - 400	U...BGE1T	
			10 - 300	U...C + Y35P1	
Preinsulated tubular lugs and sleeves		CTUCF	6 - 240	USB	
			10 - 240	U...C + Y35P1	
C type connectors		C / YC	6 - 185	C12... / U...	
ALuminium-copper lugs hexagonal type		ICAU / ICAUC	35 - 300	C12E...	

Crimping dies: see page 218 to 225



* Batteries, chargers and accessories to be ordered separately, see page 197.

20 kN Hydraulic hand compression tool

Crimping of tubular lugs, aluminium-copper lugs, splices and connectors

HU 137 hydraulic hand compression tool



General features

- Power: 120 kN
- Two stage pump
- "U" shape opened head, rotating 180°
- Automatic release
- PVC insulated handles
- Dies type C12... ou U13
- Length: 690 mm
- Weight: 6 kg
- Adaptator for female mould dies type C12...:
Item code: 7 511 998 / Part number: U137C12

Item code	Part number
7 512 006	HU 137

- Box on request:



CPHU 135-137

Item code	Part number
7 512 005	CPHU 135-137

Crimping capacity		Products series	Section (mm ²)	die P/N	Types of dies
Non insulated brazed terminals		BY	10 - 240	UVB... + Y35P1	
Copper tubular lugs and sleeves		CT	6 - 400	C12HCU...	
		YAVDM / DE	6 - 300	C12R... U...DGE1T	
		YCA	6 - 300	C12K... UDK...	
		CU	6 - 300	C12ECU...	
		YAV	10 - 400	U...BGE1T	
		CTCUF	10 - 300	U...C + Y35P1	
			6 - 240	USB...	
			10 - 240	U...C + Y35P1	
Preinsulated tubular lugs and sleeves		YAEV	10 - 120	U...ET	
Preinsulated tubular lugs and sleeves		C / YC	6 - 70	C12... / U...	
C type connectors		ICAU / ICAUC	35 - 300	C12E...	

Crimping dies: see page 218 to 225

This tool can also be used with dies U13... of SU 133/SU 134.

120 kN Hydraulic hand tool and compression head

For crimping Cu and Al terminals, splices and connectors.

Universal head, the Y39E1E compresses the same range of connectors as the Y35 tool, also accept dies types U13MC / U13MJ... according to NFC33090-4.

- Rapid ram advance by rotating handle, provided with a fast forward piston and easy die change accomplished with push button die locks.
- Reliable connections, controlled by means of a safety valve calibrated in factory. A wide rang of dies are available to install a great number of connectors.

General features

- Gyrotary crimping head of 180°
- Power: 120KN
- Length: 575 mm
- Weight: 9.2 Kg

- Supplied in a metal box wich has placement for dies.
Use of interchangeable U / C12 type dies for multiple applications using adaptor



Y39E1E

Item code	Part number
7512008	Y39E1E

Crimping capacity		Products series	Section (mm ²)	die P/N	Types of dies
Non insulated brazed terminals		BY	12 - 240	UVB... + Y35P1...	
Copper tubular lugs and sleeves		CT	6 - 400	C12HCU...	
		YAVDM / DE	6 - 300	C12R... U...DGE1T	
		YCA	6 - 300	C12K... UDK...	
		CU	6 - 300	C12ECU...	
		YAV	10 - 400	U...BGE1T	
			10 - 300	U...C + Y35P1	
		CTUCF	6 - 240	USB	
	10 - 240	U...C + Y35P1			
Preinsulated tubular lugs and sleeves		YAEV	10 - 120	U...ET	
C type connectors		C / YC	6 - 185	C12... / U...	
ALuminium-copper lugs hexagonal type		ICAU / ICAUC	35 - 300	C12E...	

Crimping dies: see page 218 to 225

Remote head with the same technical characteristics as the Y39E1E tool. Universal head, the Y39E1E compresses the same range of connectors as the Y35 tool, also accept dies types U13MC / U13MJ... according to NFC33090-4.

- Standard male connector of 3/8 "NPT" (MK assembly), for connecting to 700 bars pumps.
- For other connections consult the couplers section from the "Accessories" chapter.

General features

- Power: 120 kN
- Length: 235 mm
- Weight: 2.6 Kg

Item code	Part number
7512009	Y39E1BHE

Use of interchangeable U / C12 type dies for multiple applications using adaptor.

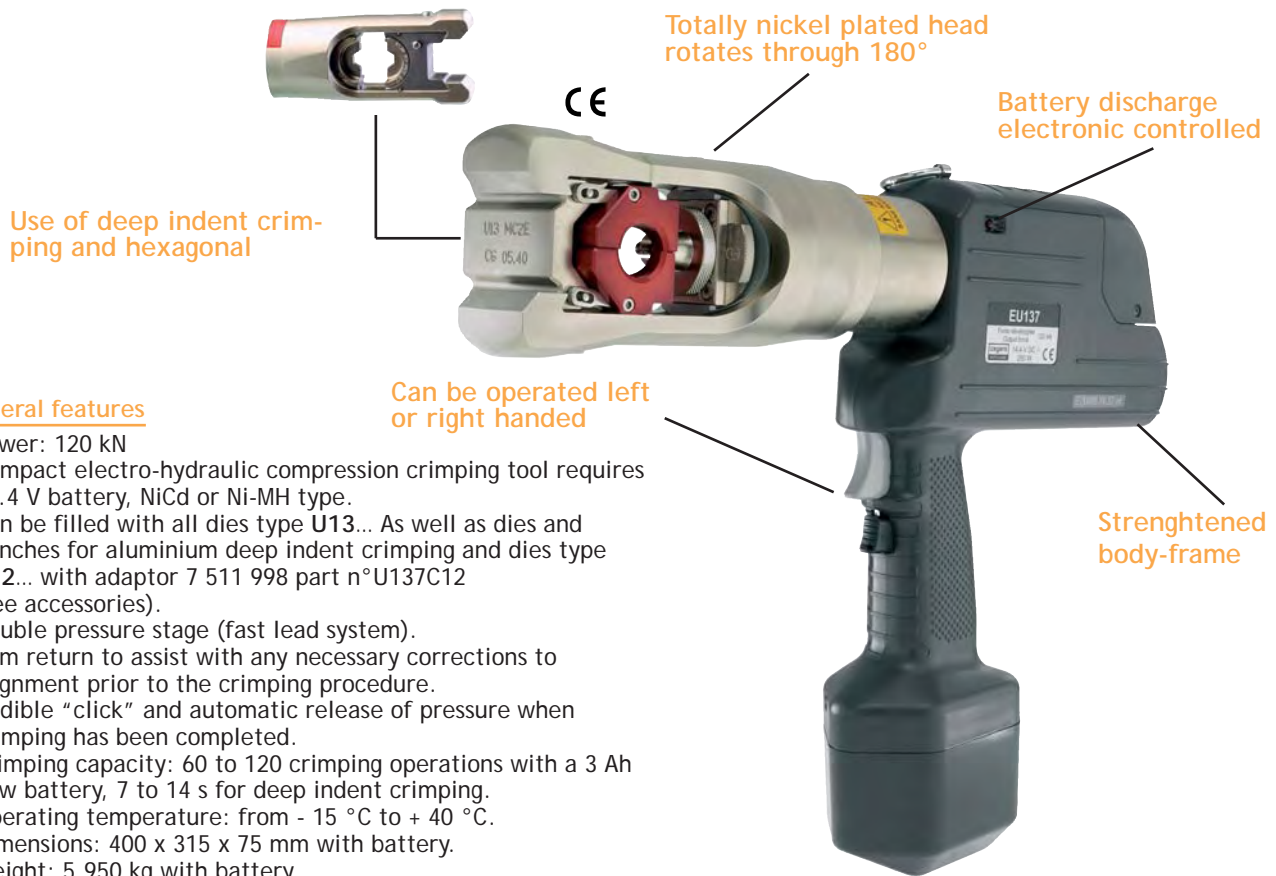


Y39E1BHE

120 kN Cordless electro-hydraulic compression tool

Crimping of tubular lugs, aluminium-copper lugs, splices and connectors

EU 137 hydraulic compression tool with integrated electric motor



General features

- Power: 120 kN
- Compact electro-hydraulic compression crimping tool requires 14.4 V battery, NiCd or Ni-MH type.
- Can be filled with all dies type U13... As well as dies and punches for aluminium deep indent crimping and dies type C12... with adaptor 7 511 998 part n°U137C12 (see accessories).
- Double pressure stage (fast lead system).
- Ram return to assist with any necessary corrections to alignment prior to the crimping procedure.
- Audible "click" and automatic release of pressure when crimping has been completed.
- Crimping capacity: 60 to 120 crimping operations with a 3 Ah new battery, 7 to 14 s for deep indent crimping.
- Operating temperature: from - 15 °C to + 40 °C.
- Dimensions: 400 x 315 x 75 mm with battery.
- Weight: 5.950 kg with battery.

Item code	Part number
7 511 995	EU 137

Accessories*

Adaptator for dies type C12...

Item code	Part number
7 511 998	U 137 C12

- Carrying box



Item code	Part number
7 511996	CMEU 137



Crimping capacity		Products series	Section (mm ²)	die P/N	Types of dies
Non insulated brazed terminals		BY	10 - 240	UVB... + Y35P1	
Copper tubular lugs and sleeves		CT	6 - 400	C12HCU...	
		YAVDM / DE	6 - 300	C12R... U...DGE1T	
		YCA	6 - 300	C12K... UDK...	
		CU	6 - 300	C12ECU...	
		YAV	10 - 400	U...BGE1T	
		YAV	10 - 300	U...C + Y35P1	
Preinsulated tubular lugs and sleeves		CTCUF	6 - 240	USB...	
		CTCUF	10 - 240	U...C + Y35P1	
C type connectors		YAEV	10 - 120	U...ET	
C type connectors		C / YC	6 - 70	C12... / U...	
Aluminium copper lugs hexagonal type		ICAU / ICAUC	35 - 300	C12E...	

Crimping dies: see page 219 to 225

* Batteries, chargers and accessories to be ordered separately, see page 197.

Batteries, chargers and accessories for cordless electro-hydraulic compression tools

For electro-hydraulic compression tools ED 52, EDC 62, EDC 82, EC 127, EU 137, cable-cutter EK 50, hollow punches EEP 72A

Ni-Cd batteries for cordless electro-hydraulic compression tools

General features

- Ni-Cd battery: 14.4 V - 2 A/h
- Weight: 0.700 kg

Item code	Part number
7 512 107	BA 1420

- As BA1420 with a 5 LEDs charge level indicator and an integrated circuit counting recharging times.
- Weight: 0.700 kg

Item code	Part number
7 512 125	BA 1420 X



Ni-MH batteries for cordless electro-hydraulic compression tools

General features

- Ni-MH battery: 14.4 V - 3 A/h
- Weight: 0.800 kg

Item code	Part number
7 501 680	BB 1430



Fast charger for Ni-Cd battery, BA 1420 and BA 1420X (60 mn)

General features

- Charging current: 1.5 A.
- Mains voltage: 230 V AC 50 / 60 Hz.
- Automatic charge stop with temperature control with safety fuse.
- Use: Europe without United Kingdom.

Item code	Part number
7 512 103	CT 1415 HC



Very fast charger for Ni-Cd battery, BA 1420 and BA 1420X (25 mn) and Ni-MH battery, BB 1430 (45 mn)

General features

- Charging current adjusted from 5.65 to 1.5 A.
- Mains voltage: 230 V AC 50 / 60 Hz.
- Reconditioning function by discharge automatically followed with a charging time for a battery with memory effect.
- Automatic charge stop by ΔV detection, with protection by battery temperature control.
- Use: Europe without United Kingdom.

Item code	Part number
7 512 000	CH 1457 HC



Miscellaneous

- Shoulder strap.
- Inspection dynamometer according to tools.

Item code	Part number
7 512 088	CDC 2
Please contact us	-

130 to 200 kN Hydraulic crimping heads

Crimping of copper tubular lugs, splices and connectors









Hydraulic crimping head SU 133



General features

- Power: 130 kN
- Corrosion preventive protection: nickel plated finish and chromium plated piston
- To be connected hydraulic pump 700 bars (see page)
- Length: 210 mm
- Weight: 3.200 kg
- Fitted with a semi-coupler (please state type: see page 204)

Item code	Part number
7 510 121	SU 133K
7 510 122	SU 133E
7 510 123	SU 133X
7 510 124	SU 133MK

Crimping capacity		Products series	Section (mm ²)	die P/N	Types of dies
Copper tubular lugs and sleeves		CT	25 - 300	U13HCU...	
		CU	50 - 240	U13ECU...	
		CDCT	75	U13HCT...	
Forged copper lugs		HU	16 - 150	U13E...	
C type connectors		C / YC	16 - 95	U13HCU... U13CC...	
Aluminium copper lugs hexagonal type		ICAU / ICAUC	35 - 300	U13E...	

Crimping dies: see page 218, 221, 222, 223, 224, 225

Hydraulic crimping head SU 210











- SU 210: with die locking system, double pull-back spring and controlled speed return system
- SRU 210: lengthened for aluminium and aluminium-copper crimping to 630 mm². Same system as SU 210.

General features

- Power: 200 kN
- Corrosion preventive protection: nickel plated finish and chromium plated piston
- To be connected to hydraulic pump 700 bars (see page)
- SU 210:
 - Length: 260 mm
 - Weight: 5.800 kg
- SRU 210:
 - Length: 275 mm
 - Weight: 6.180 kg
- Fitted with a semi-coupler (please state type: see page 204)

Item code	Part number
7 510 141	SU 210K
7 510 142	SU 210E
7 510 143	SU 210X
7 510 144	SU 210MK
7 510 161	SRU 210K
7 510 162	SRU 210E
7 510 163	SRU 210X
7 510 164	SRU 210MK

Crimping capacity		Products series	Section (mm ²)	die P/N	Types of dies
Copper tubular lugs and sleeves		CT	25 - 300	U13HCU...	
			300 - 630	U21HCU	
		CDCT	75 - 181	U21HCT...	
Forged copper lugs		HU	16 - 150	U13E...	
185 - 500	U21E...				
C type connectors		C / YC	16 - 70	U13HCU...	
95 - 240	U21CC...				
Aluminium copper lugs hexagonal type		ICAU / ICAUC	35 - 300	C12E...	

Crimping dies: see page 218, 222, 223, 224, 225

250 kN Hydraulic compression head

Crimping for tubular lugs

Hydraulic compression head SH 250



General features

- Power: 250 kN
- Piston stroke: 22 mm
- Weight: 4.850 kg
- Hydraulic compression pump, see page
- Fitted with a semi-coupler (please state type: see page 204)

Item code	Part number
7510108	SH 250K
7510115	SH 250E
7510104	SH 250X
7510110	SH 250 MK

Crimping dies: see page 219, 220

400 kN Hydraulic compression head

Hydraulic compression head SAU 400 Q



General features

- Power: 400 kN.
- To be connected to a single action pump 700 bars.
- Corrosion preventive protection: plated nickel.
- Opening head.
- Articulated handle for easy use.
- Head locked by rotating handle.
- Deep indent crimping dies securely held in ram.
- Spring loaded location balls avoid die damage when positioned wrongly.
- Positive locking system for hexagonal crimping dies.
- Articulated hydraulic hose connection assists when in difficult positions.
- Weight: 18 kg
- Fitted with a semi-coupler (please state type: see page 204)



Item code	Part number
7 510 183	SAU 400 QK
7 510 184	SAU 400 QE
7 510 185	SAU 400 QX
7510188	SAU 400 QMK

Crimping capacity

- Hexagonal crimping for copper tubular lugs NFC20 130: 400 to 1 000 mm².
- Aluminium deep indent crimping: 800 to 1600 mm².
- Hexagonal crimping for forged lugs serie HU: 500 to 1300 mm².

Wooden carrying case

Item code	Part number
7 510 186	CB SAU 400 Q

Crimping capacity

	Products series	Section (mm ²)	Die P/N	Types of dies
Copper tubular lugs and sleeves 	CT	630 - 1000	U40HCU...	
Forged copper lugs 	HU	500 - 1300	U40E...	

Dies and punches: please contact us.

550 and 1 000 kN Hydraulic compression heads

Crimping of tubular lugs, butt connectors and connectors

Hydraulic compression tool SB 550 to be connected to a single action pump

General features

- Power: 550 kN.
- Crimping capacity:
 - 660 mm² Aluminium,
 - 600 mm² Copper,
 - 450 mm² Al- Steel, Almelec-Steel, et homogeneous Almelec.
- Weight: 22 kg.
- Please state coupler type (see page 204).
- Delivered in a metal box
- Crimping dies: consult us.

Item code	Part number
7510301	SB 550 K CM
7510300	SB 550 E CM
7510590	SB 550 X CM
7510299	SB 550 MK CM



Hydraulic compression tool DB 1000 to be connected to a double action pump

General features

- Power: 1 000 kN.
- Crimping capacity:
 - 1000 mm² Aluminium,
 - 750 mm² homogeneous Almelec,
 - 612 mm² Almelec- Steel.
- Weight: 32 kg.
- Please state coupler type (see page 204).
- Delivered in wooden box
- Crimping dies: consult us.

Item code	Part number
-	DB 1000 K CB
-	DB 1000 E CB
-	DB 1000 X CB
-	DB 1000 MK CB



dies: please contact us

Hydraulic pumps and sets 700 bars

Crimping and rounding with 60, 80, 120, 130, 200 and 250 kN compression heads

Hydraulic pump P 39

Crimping and rounding with 60 to 200 kN compression heads.

General features

- Single stage hand pump
- Pressure: 700 bars
- Safety valve restriction maximum pressure
- Oil tank: 0.7 l
- Length: 400 mm
- Weight: 4.900 kg
- Box on request:
Item code: 7 516 020 / Part number: VAL 29
- Fitted with a 1.8 m hydraulic hose
(please state hose type: see page 204)

Item code	Part number
7 510 051	P 39 K
7 510 052	P 39 E
7 510 053	P 39 X



Hydraulic pump SPM 4095

Crimping and rounding with 60 to 250 kN compression heads.

General features

- Double stage foot pump
- Pressure: 700 bars
- Automatic release
- "U" shape base offering high stability
- Oil tank: 1 l
- Length: 700 mm
- Weight: 12.900 kg
- Box on request:
Item code: 7 516 040 / Part number: VAL 22 CR
- Fitted with a 3 m hydraulic hose
(please state hose type: see page 204)

Item code	Part number
7 510 075	SPM 4095 K
7 510 076	SPM 4095 E
7 510 077	SPM 4095 X



Hydraulic pump PA 133

Crimping and rounding with 60 to 200 kN compression heads.

General features

- Single stage pump with pneumatic drive
- Pressure: 700 bars
- Compressed air supply: 7 bars maxi
- Triple distributors maintaining pressure when air supply is interrupted
- Oil tank: 0.6 l
- Length: 400 mm
- Weight: 4.900 kg
- Fitted with a female semi-coupler
(please state type: see page 204)
- Hydraulic hoses (see page 204)

Item code	Part number
7 510 061	PA 133 K
7 510 063	PA 133 E
7 510 064	PA 133 X



Hydraulic set SPT 20-586 CM

Crimping and rounding with 60 to 250 kN compression heads.

General features

- Compact and portable electro-hydraulic set
- Electric motor: 220 V - 50 Hz
- Power: 0.340 kW
- Emergency stop system
- 4 m low tension remote control (input - bearing - output)
- Flow:
 - 0-20 bars: 2.60 l / mn
 - 20-700 bars: 0.32 l / mn
- Oil tank: 2 l
- Dimensions : 186 x 160 x 350 mm
- Weight: 15.500 kg
- Delivered in a metal box
- Fitted with a female semi-coupler (please state type: see page 204)
- Hydraulic hoses (see page 204)

Item code	Part number
7 510 086	SPT20-586KCM
7 510 088	SPT20-586ECM
7 510 087	SPT20-586XCM



Hydraulic pumps and sets 700 bars

Crimping and rounding with 550 to 1000 kN compression tools

Cordless electro-hydraulic set SEPT 12

Crimping and rounding with 60 to 400 kN compression tools to be connected.

General features

- Cordless electro-hydraulic set requires a 24 V battery - 3.3 Ah, Ni-MH type.
 - Pressure: 700 bars
 - Dual pressure stage (fast advance system).
 - Flow: 0 - 15 bars : 1.2 l/mn
 - : 15 - 700 bars : 0.20 l /mn
 - Remote control: input, bearing, output.
 - Emergency hand control.
 - Protection against overpressure by thermal circuit-breaker.
 - Hermetic tank to use without gradient restriction.
 - Oil tank: 0.5 l.
 - Dimensions: 340 x 180 x 330 mm.
 - Weight: 8.8 kg with full oil tank and battery.
- Delivered with 1 battery 24 V - 3.3 Ah NiMH, remote control, 1 female semi-coupling (please state type: see page 204)



Item code	Part number
7 515 029	SEPT 12 K
7 515 028	SEPT 12 E
7 515 035	SEPT 12 X

Accessories

- Fast charger 60 mn:
- Battery 24 V - 3.3 Ah NiMH:
- Wooden box:

Item code	Part number
7 515 037	CH 2457 HC
7 515 038	BB 2433
7 515 036	CBSEPT 12

Hydraulic pump 700 bars SPT 35-220

Two gear pump, single action.

General features

- Four-stroke petrol engine.
- Low tension remote control (input, bearing, output).
- Oil tank: 2.2 l.
- Flow:
 - 0 - 20 bars 2.6 l / mn.
 - 20 - 700 bars 0.5 l / mn.
- Power: 1 kW (1.4 CV).
- Dimensions : 470 x 320 x 400 mm.
- Weight: 29 kg.
- Please state hose type (see page 204)
- Delivered in wooden box



Item code	Part number
-	SPT 35-220 KCB
-	SPT 35-220 ECB
-	SPT 35-220 XCB

Hydraulic pumps 700 bars DPM 50-200 and DPT 50-220

Two gear pump, double action.

General features

- Four-stroke petrol engine.
- Pump with hand controls. (input, bearing, output).
- Oil tank: 10 l.
- Flow:
 - 0 - 20 bars 7.5 l / mn.
 - 20 - 700 bars 1.2 l / mn.
- Power: 2 kW (2.7 CV).
- Dimensions : 650 x 370 x 500 mm.
- Weight: 55 kg.
- Please state hose type (see page 204)
- Delivered in wooden box



- Same as DPM 50-200, with remote control (input, bearing, output, as well as switch for automatic cycle).
- Dimensions: 650 x 370 x 500 mm.
- Weight: 55 kg.
- Please state hose type (see page 204)
- Delivered in wooden box

Item code	Part number
-	DPM 50-200 K CB
-	DPM 50-200 E CB
-	DPM 50-200 X CB

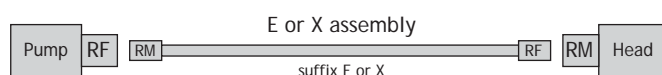
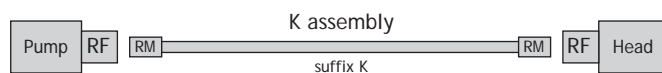
Item code	Part number
-	DPT 50-220 K CB
-	DPT 50-220 E CB
-	DPT 50-220 X CB

Accessories for hydraulic tools

Hydraulic couplers

Type	Part number	Dimensions
K	RMK-F38NPT	3/8 - 18 NPT
	RFK-M38NPT	3/8 - 18 NPT
E	RME-F38NPT	3/8 - 18 NPT
	RFE-F38NPT	3/8 - 18 NPT
X	RMX-F38NPT	3/8 - 18 NPT
	RFX-F38NPT	3/8 - 18 NPT

Our tools standard equipments



Please state hose type when ordering:

Type K: PIONNER-3/8

Male couplers, assembly through 3/8 NPT threaded hole
Female coupling, assembly through 3/8 NPT threaded hole

Item code	Part number
7 510 001	RMK-F38NPT
7 510 002	RFK-M38NPT



Type E: EDF-3/8

Male couplers, assembly through 3/8 NPT threaded hole
Female coupling, assembly through 3/8 NPT threaded hole

Item code	Part number
7 510 003	RME-F38NPT
7 510 004	RFE-F38NPT



Type X: CEJN serie 117-3/8

Male couplers, assembly through 3/8 NPT threaded hole
Female coupling, assembly through 3/8 NPT threaded hole

Item code	Part number
7 510 005	RMX-F38NPT
7 510 006	RFX-F38NPT



Hydraulic hoses with type K, E, X and MK



Item code	Part number	Item code	Part number	Item code	Part number	Item code	Part number	Dimensions
7 510 021	F 4622 K	7 510 022	F 4622 E	7 510 023	F 4622 X	7 510 024	F 4622 MFK	1.80 m
7 510 031	F 4623 K	7 510 032	F 4623 E	7 510 033	F 4623 X	7 510 034	F 4623 MFK	3 m
7 510 041	F 4626 K	7 510 042	F 4626 E	7 510 043	F 4626 X	7 510 044	F 4626 MFK	6 m

Hydraulic oils

Item code	Part number	Application	Capacity (L)
7 516 230	B H2	All tools	2
7 516 220	H F95 X	PA 133 + P 39	1



Crimping compression tools "DIELESS"

For crimping of Cu and Al terminals and splices

General features

- Tool for compressing Cu and Al terminals and splices without interchangeable dies.
- Soft grip handles.
- Conductor section rang:
 - Cu: 70 to 500mm²
 - Al: 16 to 300mm²
- 355° head rotation
- Fast forward control
- Power: 100kN
- Supplied in a metal box
- Length: 573mm
- Weight: 6.8Kg

* Only for EU

Item code	Part number
7512018	Y644HS



Y644HS

General features

- Hydraulic head for compressing Cu and Al splices and terminals.
- Compressionhead without dies.
- Standard male connector of 3/8 "NPT" (MK assembly), for connecting to 700 bars pumps.
- For other connections consult the couplers section from the "Accessories" chapter.
- Conductor section rang:
 - Cu: 70 to 500mm²
 - Al: 16 to 300mm²
- Power: 100kN
- Supplied in a metal box
- Length: 305mm
- Weight: 4.1Kg

* Only for EU

Item code	Part number
7512019	Y644MBH



Y644MBH

Crimping compression tools "DIELESS"

Crimping tubular lugs and copper butt connectors, aluminium and copper-aluminium lugs and end sleeves with external diameter of 38.5 mm maxi

Hydraulic hand compression tool HPM 400



Crimping capacity

- Tubular lugs and copper butt connectors from 16 to 400 mm² (CT, YAV-DM/DE, CU series)
- Aluminium and copper-aluminium lugs and end sleeves serie NFC 33 090-1 from 50 to 240 mm².

General features

- Power: 120 kN.
- "V" indent crimping without changing die.
- Ram fast advance system.
- Automatic setting of crimping depth.
- 90° swivelling head.
- Length: 550 mm.
- Weight: 5.900 kg.
- Delivered in a metal box.

Item code	Part number
7 512 051	HPM 400



Accessories

- Aluminium standard rod on which crimping is operated.

Item code	Part number
7 512 050	BE 6468

Hydraulic compression tool to be connected HPH 400

Crimping capacity

- Same as HPM 400 below.

General features

- Power: 120 kN.
- Hydraulic compression tool to be connected to hydraulic pumps and sets 700 bars (see page 203).
- "V" indent crimping without changing die.
- Automatic setting of crimping depth.
- Length: 380 mm.
- Weight: 3.700 kg.
- Fitted with a semi-coupling (please state type: see page 204).

Item code	Part number
7 512 045	HPH 400 K
7 512 046	HPH 400 E
7 512 049	HPH 400 X
	HPH 400 MK



Accessories

- Aluminium standard rod on which crimping is operated.

Item code	Part number
7 512 050	BE 6468

Crimping compression tools "DIELESS"

Crimping tubular lugs and copper butt connectors, aluminium and copper-aluminium lugs and end sleeves with external diameter of 38.5 mm maxi

Cordless electro-hydraulic compression tool HPA 400



Crimping capacity

- Tubular lugs and copper butt connectors from 16 to 400 mm² (CT, YAV - DM/DE, CU series)
- Aluminium and copper-aluminium lugs and end sleeves serie NFC 33 090-1 from 50 to 240 mm².

General features

- Power: 120 kN.
- "V" indent crimping without changing die.
- Automatic setting of crimping depth
- 90° swivelling head.
- Battery: 14.4V - 2.4 Ah.
- Crimping time: 9 to 2 s with new battery.
- Crimping capacity: to 120 operations with new battery.
- Length: 470 mm.
- Weight: 7.500 kg.
- Delivered in a metal box with 1 charger and 2 batteries.

Item code	Part number
7 512 052	HPA 400

Accessories

- Fast charger

Item code	Part number
7 512 048	CH 16403

- Battery 14.4 V - 2.4 Ah

Item code	Part number
7 512 047	BA 16225

- Aluminium standard rod on which crimping is operated

Item code	Part number
7 512 050	BE 6468

Crimping compression tools to be connected "DIELESS" and hydraulic sets 150 bars

Crimping of tubular lugs and copper butt connectors

Hydraulic compression tool to be connected HP 95

Crimping capacity

- Tubular lugs and copper butt connectors from 10 to 95 mm² (CT, YAV-DM/DE, CU series).

General features

- Power: 60 kN.
- "V" indent crimping without changing die.
- Automatic setting of crimping depth.
- Holding handle with hydraulic set control switch.
- Length: 350 mm.
- Weight: 3.0 kg.
- Working pressure: 150 bars
- Be careful to use it only with hydraulic set 150 bars, Part number HA1ES (see below).



Item code	Part number
7 512 057	HP 95

Hydraulic compression tool to be connected HP 300

Crimping capacity

- Tubular lugs and copper butt connectors from 50 to 300 mm² (CT, YAV-DM/DE, CU series).

General features

- Power: 100 kN.
- "V" indent crimping without changing die.
- Automatic setting of crimping depth.
- Holding handle with hydraulic set control switch.
- Length: 430 mm.
- Weight: 4.500 kg.
- Working pressure: 150 bars
- Be carefull to use it only with hydraulic set 150 bars, Part number HA1ES (see below).



Item code	Part number
7 512 058	HP 300

Electro-hydraulic set 150 bars HA 1ES

To use exclusively with compression tools HP 95 and HP 300.

General features

- Compact and portable electro-hydraulic set.
- Pressure: 150 bars maxi.
- Electrical motor: 220 V - 50 Hz
- Power: 0.8 KW.
- Foot control or switch on compression tool to be connected.
- Flow: 4.5 l : mn.
- Oil tank: 3.5 l.
- Dimensions : 270 x 270 x 470 mm.
- Weight: 18 kg (with oil).
- Delivered fitted with flexible hoses and connectors.



Item code	Part number
7 512 056	HA 1ES

Hand cable-cutters

CC 7101

Cutting capacity:

- For copper or aluminium conductors up to Ø 15 mm
- Does not cut steel

General features

- Hand cable-cutters
- PVC insulated handles
- Length: 235 mm
- Weight: 0.380 kg

Item code	Part number
7 519 500	CC 7101



CC 20

Cutting capacity:

- For copper or aluminium conductors up to Ø 25 mm
- Exceptional new shape and quality of the blade
- Preliminary and definitive cuts (1st and 2nd blades)
- Does not cut steel

General features

- Hand cable-cutter.
- PVC insulated handle
- Length: 200 mm
- Weight: 0.300 kg

Item code	Part number
7 507 110	CC 20



MRK 34

Cutting capacity:

- Max diameter of conductors: Ø 34 mm
- Aluminium: 240 mm²
- Copper: 185 mm²
- Does not cut steel

General features

- Ratchet hand cable-cutter
- Polypropylen insulated handle
- Length: 210 mm
- Weight: 0.750 kg

Item code	Part number
7 519 562	MRK 34



MRK 52 E

Cutting capacity:

- Max diameter of conductors: Ø 52 mm
- Aluminium: 400 mm²
- Copper: 400 mm²
- Telephone cables: Ø 52 mm (ext.)
- Does not cut steel

General features

- Ratchet hand cable-cutter
- Polypropylen insulated handle
- Length: 280 mm
- Weight: 1.0400 kg.

Item code	Part number
7 519 563	MRK 52 E



Automatic and programmable cutting tool

Cutting tool LC 100



Cut cables, tubing and similar with a diameter up to 8 mm.

Two roller bearings which guarantee a carefully advancing of material. Independent measuring rollers guarantee an exact cut length even in case of different materials.

Easy sensitive keyboard to enter quickly length and quantity needed.

Easy product changing system. When opening front protection bearing and measuring rollers are separated. The product, which is going to be cut, is put in. When closing the front protection bearing and measuring rollers are automatically back in position.

A software, given with each LC 100, is used to process and record directly on computer repetitive cut operations in order to transmit it directly to LC100.

Cutting capacities:

- Flexible wire: 0.08 to 10 mm²
- Rigid wire: 0.08 to 2.5 mm²
- Maximal cutting diameter: Ø 8 mm
- Conductor size adjustment: automatic
- Number of cuts: 1 to 999 pieces
- Length: 2 to 99 999 mm
- Speed progress: 0.5 m/s maximum

General features

- Unit of measurement: millimeter
- Interface: RS232
- Network connection: 230 V/50 Hz
- Power: 80 VA
- Length x width x depth: 194 x 295 x 227 mm
- Weight: 11 kg



Item code	Part number
7 519 882	LC 100

Cordless electro-mechanical cable-cutter

EK 50 integrated electric motor cable-cutter



Cutting capacity:

- Insulated or non insulated copper cables up to 500 mm²
- Insulated or non insulated aluminium cables up to 630 mm²
- LV underground cables HN 33S33 type (UTE C 33-210) up to 3 x 240 + 95 mm² and HV single-pole (UTE C 33-220) up to 630 mm² after suppression of PVC external coating.
- Non insulated aluminium alloy cables up to 570 mm²
- Telephone cables with Ø less than or equal to 50 mm.

Does not cut steel.

General features

- Electrical motor coupled with an epicyclical gear train speed reducer.
- Mobile blade turning through 360°
- Dual control (forward/backward) with safety lock.
- Equipped with a circuit-breaker to protect against the cutting of a cable larger than tool capacity.
- Dimensions: 370 x 150 x 100 mm.
- Weight: 2.700 kg

Item code	Part number
7 519 610	EK 50

- Carrying case can be filled with the cable-cutter, 1 charger and 2 batteries.

Item code	Part number
7 519 611	CMEK 50



Accessories to be ordered separately, see page 197.

Hydraulic cable-cutters

Hand hydraulic cable-cutters

Cutting capacity:

- Cuts copper and aluminium conductors up to 20 mm Ø.

General features

- Single stage hand hydraulic cable-cutter.
- Fast closing and opening head, tilting on 180°.
- Length: 400 mm
- Weight: 2.800 kg
- Delivered with carrying bag.



Item code	Part number
7 519 675	HVA 20-40 S

Hydraulic cable-cutter to be connected

Cutting capacity:

- Cuts copper or aluminium conductors up to 30 mm Ø.

General features

- To be connected on 700 bars hydraulic pumps (see page 203)
- Length: 225 mm
- Weight: 2.700 kg
- Delivered in a metal box.
- Fitted with a semi-hose (please state type: see page 204)



Item code	Part number
7 510 501	SK 30-70 K CM
7 510 502	SK 30-70 E CM
7 510 503	SK 30-70 X CM
7 510 504	SK 30-70 MK CM

Hydraulic cable-cutter to be connected

Cutting capacity:

- Cuts copper or aluminium conductors up to 40 mm Ø.

General features

- To be connected on 700 bars hydraulic pumps (see page 203)
- Length: 270 mm
- Weight: 3.650 kg
- Delivered in a metal box.
- Fitted with a semi-hose (please state type: see page 204)



Item code	Part number
7 510 511	SA 40-60 SK
7 510 512	SA 40-60 SE
7 510 513	SA 40-60 SX
7 510 514	SA 40-60 SMK

Hydraulic cable-cutter to be connected

Cutting capacity:

- Cuts copper or aluminium conductors up to 95 mm Ø.

General features

- To be connected on 700 bars hydraulic pumps (see page 203)
- Length: 425 mm
- Weight: 8.300 kg
- Delivered in a metal box.
- Fitted with a semi-hose (please state type: see page 204)



Item code	Part number
7 510 541	TC 096 K
7 510 542	TC 096 E
7 510 543	TC 096 X
7 510 540	TC 096 MK

Stripping tools

Stripping tool

Stripping capacity:

- For flexible or rigid conductors from 0.5 to 6 mm².

General features

- Metal tool
- PVC insulated handles
- Delivered with positioning stop.

Item code	Part number
7 500 161	STRIPOMATIC



Cutting and stripping tool

Capacities:

- For flexible or rigid conductors from 0.34 to 6 mm².

General features

- End stripping.
- Can be adjusted depending on hardness and thickness of insulating.

Item code	Part number
7 519 830	D 5415



Stripping tool with interchangeable cassette

- Cut and strip wires from 0.02 to 10 mm².

General features

- Easy interchangeable stripping casket.
- Stripping length and knives pressure can be adjusted.
- Ergonomic profile with anti-slip handles.

Item code	Part number
7 507 120	D 00510



Cassette for stripping tool D 00510

- Strip wires from 0.02 to 10 mm².

Item code	Part number
7 507 125	CD 00510

- Strip wires from 4 to 16 mm².

Item code	Part number
7 507 127	CD 416



Electrical stripping and cutting tools

Electrical stripping tool

Capacities:

- For flexible or rigid conductors from 0.22 to 6 mm².

General features

- Stripping length can be adjusted from 1.5 to 29 mm.
- Max. insulating diameter: Ø 5.70 mm.
- Main voltage: 220 V.
- Dual rotating knives.
- Foot pedal control.
- Dimensions: 230 x 140 x 150 mm.
- Weight: 4.200 kg.



Item code	Part number
7 490 131	AVG 0160

Stripping and cutting knife

Capacities:

- For conductors with external diameter from Ø 4.5 to 25 mm.

General features

- Cutting depth can be adjusted with a wheel.
- Swivelling blade allowing longitudinal cuts.
- Spare blade in the tool body.



Item code	Part number
7 519 810	AM 1

Stripping and cutting tool

General features

- Stripping of insulation from diameter 25 mm.
- Cutting depth from 0 to 5 mm.
- Reversible cutting blade.
- Safe longitudinal and circular cuts.



Item code	Part number
7 507 105	DC 25



Hollow punches

Hand hydraulic hollow punches

General features

- Integrated pump and jack
- Power: 50 kN
- Sheet metal punching: max 3 mm thick (370 N/mm²)
- Delivered in a metal box with following accessories:
- Pulling axle - Item code: 7 512 481 / Part number: AEP 95.
- Pulling socket - Item code: 7 512 491 / Part number: DEP 95.
- Cross bar - Item code: 7 512 235 - Part number: ET 22.
- Six punches and dies with following diameters:
15.2 - 18.6 - 20.4 - 22.5 - 28.3 - 30.5 mm
- Can also use all our punches and dies up to Ø 100 mm (pages 216, 217)
- Length: 220 mm
- Weight: 2.270 kg



Item code	Part number
7 512 191	LS 6

Hand hydraulic hollow punches

General features

- Integrated pump and jack
- Power: 70 kN
- Sheet metal punching: max 3 mm thick (370 N/mm²)
- Swivelling and tilting head on 180°.
- Delivered in a carrying case.
- Can use all our punches and dies up to Ø 100 mm (pages 216, 217)
- Length: 220 mm
- Weight: 3.200 kg



Item code	Part number
7 512 204	HVEP 72

Cordless electro-hydraulic hollow punches

General features

- Power: 70 kN
- Swivelling and tilting head on 180°.
- Sheet metal punching: max 3 mm thick (370 N/mm²)
- Strong composite housing, rain-proof.
- Double trigger to control pressure built-up for cutting as well as piston retrieval.
- Automatic release with audible "clic" when cutting is completed due to a calibrated valve when the power of 70 kN has been reached (Capacity: approximately 30 cutting operations)
- Weight without battery: 3.000 kg
- Can also use all our punches and dies up to Ø 100 mm (pages 216, 217)









Item code	Part number
7 512 197	EEP 72 A


- Carrying case:




Item code	Part number
7 512 200	CPEEP 72

Punches, round dies and accessories for hollow punches

 Pulling axle		 Pulling socket		 Cross bar	
Item code	Part number	Item code	Part number	Item code	Part number
7 512 481	AEP 95	7 512 491	DEP 95	7 512 235	ET 22




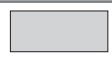
Dimensions (mm)	Corresponding stuffing box diameter	 Punches		 Dies		 Rubber	
		Item code	Part number	Item code	Part number	Item code	Part number
15.2	9	7 512 321	PEP 15	7 512 381	MEP 15	-	-
16	-	7 512 322	PEP 16	7 512 382	MEP 16	-	-
16.2	-	7 512 323	PEP 162	7 512 383	MEP 162	-	-
16.5	ISO 16	7 512 564	PEP 165 ISO	7 512 565	MEP 165 ISO	-	-
18.6	11	7 512 324	PEP 186	7 512 384	MEP 186	7 512 443	CEP 186
19	-	7 512 325	PEP 19	7 512 385	MEP 19	7 512 444	CEP 19
20	-	7 512 326	PEP 20	7 512 386	MEP 20	7 512 445	CEP 20
20.4	13 et ISO 20	7 512 327	PEP 204	7 512 387	MEP 204	7 512 446	CEP 204
20.5	ISO 20	7 512 567	PEP 205 ISO	7 512 568	MEP 205 ISO	7 512 569	CEP 205 ISO
22.5	16	7 512 328	PEP 225	7 512 388	MEP 225	7 512 447	CEP 225
25.5	ISO 25	7 512 570	PEP 255 ISO	7 512 571	MEP 255 ISO	7 512 572	CEP 255 ISO
28.3	21	7 512 329	PEP 283	7 512 389	MEP 283	7 512 448	CEP 283
30.5	Voyant	7 512 330	PEP 305	7 512 380	MEP 305	7 512 449	CEP 305

 Pulling axle		 Cross bar	
Item code	Part number	Item code	Part number
7 512 501	AEP 190	7 512 235	ET 22


Dimensions (mm)	Corresponding stuffing box diameter	 Punches		 Dies		 Rubber	
		Item code	Part number	Item code	Part number	Item code	Part number
32	ISO 32	7 512 331	PEP 32	7 512 391	MEP 32	7 512 450	CEP 32
32.5	ISO 32	7 512 579	PEP 325 ISO	7 512 580	MEP 325 ISO	7 512 581	CEP 325 ISO
33	-	7 512 332	PEP 33	7 512 392	MEP 33	7 512 451	CEP 33
35	-	7 512 333	PEP 35	7 512 393	MEP 35	7 512 452	CEP 35
37	29	7 512 334	PEP 37	7 512 394	MEP 37	7 512 453	CEP 37
40	ISO 40	7 512 335	PEP 40	7 512 395	MEP 40	7 512 454	CEP 40
40.5	ISO 40	7 512 582	PEP 405 ISO	7 512 583	MEP 405 ISO	7 512 584	CEP 405 ISO
43.2	-	7 512 336	PEP 432	7 512 396	MEP 432	7 512 455	CEP 432
44	-	7 512 337	PEP 44	7 512 397	MEP 44	7 512 456	CEP 44
47	36	7 512 338	PEP 47	7 512 398	MEP 47	7 512 457	CEP 47
48	-	7 512 339	PEP 48	7 512 399	MEP 48	7 512 458	CEP 48
50	ISO 50	7 512 340	PEP 50	7 512 400	MEP 50	7 512 459	CEP 50
50.5	ISO 50	7 512 576	PEP 505 ISO	7 512 577	MEP 505 ISO	7 512 578	CEP 505 ISO
54	42	7 512 341	PEP 54	7 512 401	MEP 54	7 512 460	CEP 54
55	-	7 512 342	PEP 55	7 512 402	MEP 55	7 512 461	CEP 55
59.3	48	7 512 343	PEP 593	7 512 403	MEP 593	7 512 462	CEP 593
63.5	ISO 63	7 512 573	PEP 635 ISO	7 512 574	MEP 635 ISO	7 512 575	CEP 635 ISO
65	-	7 512 344	PEP 65	7 512 404	MEP 65	7 512 463	CEP 65
66	-	7 512 345	PEP 66	7 512 405	MEP 66	7 512 464	CEP 66
70	-	7 512 346	PEP 70	7 512 406	MEP 70	7 512 465	CEP 70
75	-	7 512 347	PEP 75	7 512 407	MEP 75	7 512 466	CEP 75
80	-	7 512 348	PEP 80	7 512 408	MEP 80	7 512 467	CEP 80
82	-	7 512 349	PEP 82	7 512 409	MEP 82	7 512 468	CEP 82
86	-	7 512 350	PEP 86	7 512 410	MEP 86	7 512 469	CEP 86
90	-	7 512 351	PEP 90	7 512 411	MEP 90	7 512 470	CEP 90
92	-	7 512 352	PEP 92	7 512 412	MEP 92	7 512 471	CEP 92
100	-	7 512 353	PEP 100	7 512 413	MEP 100	7 512 472	CEP 100

* Inox round hollow punches: please contact us.

Punches, square and right-angle dies and accessories for hollow punches

Dimensions (mm)	 Punches		 Dies					
	Item code	Part number	Item code	Part number				
					Axle for square punch		Bolt for square punch	
17 x 17	7 512 354	PEPC 17	7 512 414	MEPC 17	7 512 517	AEPC 66	7 512 520	EEPC 70
26 x 26	7 512 355	PEPC 26	7 512 415	MEPC 26	7 512 518	AEPC 50	7 512 521	EEPR 42
46 x 46	7 512 356	PEPC 46	7 512 416	MEPC 46	7 512 513	AEPC 41	7 512 526	EEPC 43
51.5 x 51.5	7 512 357	PEPC 51	7 512 417	MEPC 51	7 512 513	AEPC 41	7 512 526	EEPC 43
68 x 68	7 512 358	PEPC 68	7 512 418	MEPC 68	7 512 513	AEPC 41	7 512 526	EEPC 43
72 x 72	7 512 359	PEPC 72	7 512 419	MEPC 72	7 512 513	AEPC 41	7 512 526	EEPC 43
92 x 92	7 512 432	PEPC 92	7 512 372	MEPC 92	7 512 513	AEPC 41	7 512 526	EEPC 43
					Axle for right-angle punch		Bolt for right-angle punch	
21 x 27	7 512 361	PEPR 2127	7 512 421	MEPR 2127	7 512 511	AEPR 40	7 512 521	EEPR 42
22 x 33	7 512 362	PEPR 33	7 512 422	MEPR 33	7 512 369	AEPR 50	7 512 521	EEPR 42
22 x 42	7 512 367	PEPR 42	7 512 427	MEPR 42	7 512 369	AEPR 50	7 512 521	EEPR 42
25 x 50	7 512 368	PEPR 50	7 512 428	MEPR 50	7 512 369	AEPR 50	7 512 521	EEPR 42
26 x 27	7 512 366	PEPR 27	7 512 426	MEPR 27	7 512 511	AEPR 40	7 512 521	EEPR 42
27 x 33	7 512 363	PEPR 2733	7 512 423	MEPR 2733	7 512 369	AEPR 50	7 512 521	EEPR 42
30.5 x 50	7 512 364	PEPR 30550	7 512 424	MEPR 30550	7 512 369	AEPR 50	7 512 521	EEPR 42
42 x 46	7 512 365	PEPR 46	7 512 425	MEPR 46	7 512 429	AEPR 41	7 512 373	EEPR 43
44 x 92	7 512 360	PEPR 92	7 512 420	MEPR 92	7 512 429	AEPR 41	7 512 373	EEPR 43

* Inox round hollow punches: please contact us.

Copper conductors	PHD35	MRD50 - HVD51 - ED52	MD6 - Y500CT	HDC60 - SC60 EDC62	HCN60 - SCN60	HC120 - SC120 - EC127 - Y35 - Y35BH - Y750HS - H750BH - Y39 (+adaptor UADP1) HU137 - EU137 (+adaptor U137G12)	Y46	SH250	
Hexagonal crimping and punching  Tubular lugs and sleeves YAV - DM/DE series (VDE 0220) MD6 : Only till 95 mm²	Conductor size (mm²)	Die sets	Die sets	Die sets	Die sets	Die sets	Die sets	Die sets	
	6	D35R6	D5R6-35 <i>55MH61DT</i>	W06DGE1T	C6R6	N6R6	C12R6		
	10	D35R10	D5R10-50 <i>55MH185-10TDT</i>	W010DGE1T	C6R10	N6R10	C12R10 <i>U010DGE1T</i>		
	16	D35R16	D5R16-70 <i>55MH150-16TDT</i>	W016DGE1T	C6R16	N6R16	C12R16 <i>U016DGE1T</i>		
	25	D35R25	D5R25-95 <i>55MH120-25TDT</i>	W025DGE1T	C6R25	N6R25	C12R25 <i>U025DGE1T</i>		
	35	D35R35	D5R6-35 <i>55MH95-35TDT</i>	W035DGE1T	C6R35	N6R35	C12R35 <i>U035DGE1T</i>		
	50	D35R50	D5R10-50 <i>55MH70-50TDT</i>	W050DGE1T	C6R50	N6R50	C12R50 <i>U050DGE1T</i>	Die sets U or C12 + PUADP1	H25R50
	70	D35R70	D5R16-70 <i>55MH70-50TDT</i>	W070DGE1T	C6R70	N6R70	C12R70 <i>U070DGE1T</i>		H25R70
	95	D35R95	D5R25-95 <i>55MH95-35TDT</i>	W095DGE1T	C6R95	N6R95	C12R75 <i>U095DGE1T</i>		H25R95
	120	D35R120	D5R120 <i>55MH120-25TDT</i>	W120DGE1T	C6R120	N6R120	C12R120 <i>U120DGE1T</i>		H25R120
150	D35R150	D5R150 (1) <i>55MH150-16TDT</i>	W150DGE1T	C6R150	N6R150	C12R150 <i>U150DGE1T</i>		H25R150	
185			W185DGE1T	C6R185	N6R185	C12R185 <i>U185DGE1T</i>		H25R185	
240				C6R240	N6R240	C12R240 <i>U240DGE1T</i>		H25R240	
300				C6R300	N6R300	C12R300 <i>U300DGE1T</i>		H25R300	
400								H25R400	

(1) not for MRD50

Copper conductors	PHD35	MRD50 - HVDS1 ED52	MD6 Y500CT	HDC60 - SDC60 - EDC62	HCN60 - SCN60	HC120 - SC120 - EC127 - Y35 - Y35BH - Y750HS - H750BH - Y39 (+adaptor: UADP1) HU137 - EU137 (+adaptor: U137G12)	Y46	SH250
Hexagonal crimping and punching	Die sets	Die sets	Die sets	Die sets	Die sets	Die sets	Die sets	Die sets
Conductor size (mm ²)	6	D35K5	50MH05DKTC	C6K5(5)	N6K5-5	UDK09BGE2T		
	10	D35K6	DSK6-16	C6K6(5)	N6K6-5	C12 K6(10)		
	16	D35K8	50MH06DKTC DSK8-12	C6K8(5)	N6K8-5	UDK06BGE2T C12 K8(10)		H25K8(10)
	25	D35K10	50MH08DKTC DSK10-14	C6K10(5)	N6K10-5	UDK08BGE2T C12 K10(10)		H25K10(10)
	35	D35K12	50MH10DKTC DSK8-12	C6K12(5)	N6K12-5	UDK10BGE2T C12 K12(10)		H25K12(10)
	50	D35K14	50MH12DKTC DSK10-14	C6K14(5)	N6K14-5	UDK12BGE2T C12 K14(13)		H25K14(13)
	70	D35K16	50MH14DKTC DSK6-16	C6K16(5)	N6K16-5	UDK14BGE2T C12 K16(13)	Die sets U or C12 + PUADP1	H25K16(13)
	95	D35K18	50MH16DKTC DSK18	C6K18(5)	N6K18-5	UDK16BGE2T C12 K18(14)		H25K18(14)
	120		50MH18DKTC DSK20	C6K20(5)	N6K20-5	UDK18BGE2T C12 K20(14)		H25K20(14)
	150		50MH20DKTC DSK20	C6K22(5)	N6K22-5	UDK20BGE2T C12 K22(10)		H25K22(15)
	185			C6K25(5)	N6K25-6	UDK22BGE2T C12 K25(10)		H25K25(15)
	240			C6K28(5)	N6K28-5	UDK25BGE2T C12 K28(10)		H25K28(15)
	300					UDK28BGE2T C12K32		H25K32(17)
	400					UDK32BGE2T		H25K38(17)
	500							H25K42(17)
	625							H25K44(17)



Tubular lugs and sleeves

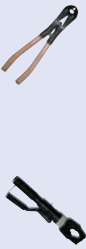
YCA serie
(DIN 46235)
MD6 : Only till 95 mm²

Copper conductors	HDC60 - SDC60 - EDC62	HCN60 SCN60
Hexagonal crimping and punching	Die sets	Die sets
Conductor size (mm ²)		
10	C6F10	N6F10
16	C6F16	N6F16
25	C6F25	N6F25
35	C6F35	N6F35
50	C6F50	N6F50
70	C6F70	N6F70
95	C6F95	N6F95
120	C6F120	N6F120
150	C6F150	N6F150
185	C6F185	N6F185
240	C6F240	
300	C6F300	

Copper conductors	MRD50 - HVD51 - ED52	HDC60 - SD60 - EDC62	MRH70 - H80 - SH80	HC120 - SC120 - EC127 - Y35 - Y35BH - Y750HS - H750BH - Y39	Y46	Y46	SU133 - HU137 - Y39ETE - Y39ETBHE
Hexagonal crimping and punching	Die sets	Die sets	Die sets	Die sets	Die sets	Die sets	Die sets
Conductor size (mm ²)							
6	D5ECU6-35	C6ECU6	H8ECU6-10	C12ECU6			
10	D5ECU10-50	C6ECU10	H8ECU6-10	C12ECU10			
16	D5ECU16-70	C6ECU16	H8ECU16-25	C12ECU16			
25	D5ECU25-95	C6ECU25	H8ECU16-25	C12ECU25			
35	D5ECU6-35	C6ECU35	H8ECU35-95	C12ECU35			
50	D5ECU10-50	C6ECU50	H8ECU50-150	C12ECU50			U133ECU50
70	D5ECU16-70	C6ECU70	H8ECU70-120	C12ECU70			U133ECU70
95	D5ECU25-95	C6ECU95	H8ECU35-95	C12ECU95			U133ECU95
120	D5ECU120	C6ECU120	H8ECU70-120	C12ECU120			U133ECU120
150	D5ECU150 (1)	C6ECU150	H8ECU50-150	C12ECU150			U133ECU150
185	(1) not for MRD50	C6ECU185	H8ECU185	C12ECU185			U133ECU185
240		C6ECU240	H8ECU240	C12ECU240			U133ECU240
300				C12ECU300			
400				C12ECU400			

Copper conductors

MD6* - Y500CT



HC120 - SC20 - EC127 - Y35 - Y35BH - Y750HS - H750BH - Y39



Y46



HC120 - SC120 - EC127 - Y35 - Y35BH - Y750HS - H750BH - Y39



Y46



SU133 - HU137 - Y39ETE - Y39ETBHE



Hexagonal crimping and punching

Conductor size (mm²)

Die sets

Nest

Identor

Die sets

Nest

Identor

Die sets

Nest

Identor

10

16

25

35

50

Flex (50)

70

Flex 70

95

Flex 95

120

Flex 120

150

Flex 150

185

Flex 185

240

Flex 240

300

Flex 300

350 (750kCM)

375 (750kCM)

400

Flex 400

500

630

Flex 630

800 (1500kCM)

W010BGE1T

W016BGE1T

W025BGE1T

W033BGE1T

W050BGE1T

W050FBGE1T

W070BGE1T

W070FBGE1T

W095BGE1T

W095FBGE1T

W120BGE1T

W120FBGE1T

W150BGE1T

W150FBGE1T

W185BGE1T

W185FBGE1T

W240BGE1T

W240FBGE1T

W300BGE1T

W300FBGE1T

W375BGE1T

W375FBGE1T

W400BGE1T

W400FBGE1T

W500BGE1T

W500FBGE1T

W630BGE1T

W630FBGE1T

W800BGE1T

W800FBGE1T

W10C

W16C

W25C

W35C

W50C

W50FC

W70C

W70FC

W95C

W95FC

W120C

W120FC

W150C

W150FC

W185C

W185FC

W240C

W240FC

W300C

W300FC

W375C

W375FC

W400C

W400FC

W500C

W500FC

W630C

W630FC

W800C

W800FC

WPOS

W50C

W50FC

W70C

W70FC

W95C

W95FC

W120C

W120FC

W150C

W150FC

W185C

W185FC

W240C

W240FC

W300C

W300FC

W375C

W375FC

W400C

W400FC

W500C

W500FC

W630C

W630FC

W800C

W800FC

U010BGE1T

U016BGE1T

U025BGE1T

U033BGE1T

U050BGE1T

U050FBGE1T

U070BGE1T

U070FBGE1T

U095BGE1T

U095FBGE1T

U120BGE1T

U120FBGE1T

U150BGE1T

U150FBGE1T

U185BGE1T

U185FBGE1T

U240BGE1T

U240FBGE1T

U300BGE1T

U300FBGE1T

U375BGE1T

U375FBGE1T

U400BGE1T

U400FBGE1T

U500BGE1T

U500FBGE1T

U630BGE1T

U630FBGE1T

U800BGE1T

U800FBGE1T

U10C

U16C

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U50FC

U70C

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U95C

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U120FC

U150C

U150FC

U185C

U185FC

U240C

U240FC

U300C

U300FC

U375C

U375FC

U400C

U400FC

U500C

U500FC

U630C

U630FC

U800C

U800FC

Y35P1POS

Y35P1PO6S

Y35P1PO7S

Y35P1PO8S

Y35P1PO9S

Y35P1PO10S

Y35P1PO11S

Y35P1PO12S

Y35P1PO13S

Y35P1PO14S

Y35P1PO15S

Y35P1PO16S

Y35P1PO17S

Y35P1PO18S

Y35P1PO19S

Y35P1PO20S

Y35P1PO21S

Y35P1PO22S

Y35P1PO23S

Y35P1PO24S

Y35P1PO25S

Y35P1PO26S

Y35P1PO27S

Y35P1PO28S

Y35P1PO29S

Y35P1PO30S

Y35P1PO31S

Y35P1PO32S

Y35P1PO33S

Y35P1PO34S

Y35P1PO35S





Y35P1PO36S

Y35P1PO37S





Y35P1PO38S



Y35P1PO39S


Y35





Copper conductors	Hexagonal crimping and punching	 Non-insulated brazed terminals BY serie (DIN 46234) Made : Only till 95 mm²	 MD6 - Y500CT	 HDC60 - SDC60 - EDC62	 HC120 - SC120 - EC127 - Y35 - Y35BH - Y750BH - Y39 - HU137 - EU137 <small>(calculator U21U13)</small>								
						Conductor size (mm²)		Nests and indentors		Die sets		Nests and indentors	
						10		WVB10		C6DMB10		UVB10	
						16		WVB16		C6DMB16		UVB16	
						25		WVB25		C6DMB25		UVB25	
						35		WVB35		C6DMB35		UVB35	
						50		WVB50		C6DMB50		UVB50	
						70		WVB70		C6DMB70		UVB70	
						95		WVB95		C6DMB95		UVB95	
						120		WVB120		C6DMB120		UVB120	
						150						UVB150	
						185						UVB185	
						240						UVB240	
						Y35P1PO7SB							







Copper conductors	Hexagonal crimping and punching	 Non-insulated brazed terminals MB (UL serie)	 MRD50 - HVD51 - ED52	 MR70 - H80 - SH80								
					Conductor size (mm²)		Nests and indentors		Nests and indentors			
					6		D5MUJ6-8		D5PUJ6-8		H8MUJ6-8	
					10		D5MUJ10-8		D5PUJ10		H8MUJ10	
					16		D5MUJ16-8		D5PUJ16		H8MUJ16	
					25		D5MUJ22-70		D5PUJ22-60		H8MUJ22-38	
					35Flex. - 50 Rig.		D5MUJ38-60		D5PUJ70		H8MUJ60-70	
					50 Flex. - 70 Rig.		D5MUJ22-70					
					70 Flex. - 95 Rig.		D5MUJ14-80					
					95 Flex. - 120 Rig.		D5MUJ100		D5PUJ80-100		H8MUJ80-100	
					120 Flex. - 150 Rig.							

Copper conductors	Hexagonal crimping and punching	 Timed copper forged lugs HU serie	 SU133 - HU137 - Y39E1E - Y39E1BHE	 SU210	 SAU400						
						Conductor size (mm²)		Die sets		Die sets	
						16		U13E180(10)		U13E180(10) + adaptor U21U13	
						25					
						35					
						50					
						70					
						95					
						120					
						150					
						185					
						240					
						300		U21E270(10)			
400				U21E330(10)							
500				U40E330(10)							
630				U40E440(15)							
800				U40E440(15)							
1000				U40E520(15)							
1300				U40E520(15)							

Copper conductors	Hexagonal crimping and punching	 Timed copper lugs CDCT serie	 SU133 - HU137 - Y39E1E - Y39E1BHE	 SU210	 SAU400				
						Conductor size (mm²)		Die sets	
						75		U13HCT75	
						116		U21HCT116	
						147		U21HCT147	
181		U21HCT181							

Copper conductors	PHD35	MRD50 - HVD51 - ED52	HDC60 - SDC60 - EDC62	MRH70 - H80 - SH80	EDC82	MRD100	HC120 - SC120 - EC127 - Y35 - Y35BH Y750HS - Y750BH Y39 (adaptor UADP1) HU137 - EU137 (adaptor U137C12)
							
"C" connectors	Die sets	Die sets	Die sets	Die sets	Die sets	Die sets	Die sets
C6 / YC10C10	DSHCU10-150	W238	C6HCU10	H8HCU6-10	C8HCU10	C12HCU10	C12HCU10 U238
C10 / YC8C8	DSHCU25-95	W162	C6HCU25	H8HCU16-25	C8HCU25	C12HCU25	C12HCU25 U162
C16 / YC4C8	DSHCU16-70	WBG	C6HCU70	H8HCU70-120	C8HCU70	D10HCU70	C12HCU70 UBC
C25-10 / YC4C6	D5ECU25-95	WBG	C6HCU95	H8HCU35-95	C8HCU95	D10HCU95	C12HCU95 UBC
C25PM / YC4C4	D5ECU25-95	WBG	C6HCU95	H8HCU35-95	C8HCU95	D10HCU95	C12HCU95 UBC
C25 / YC2C4	D5E173(5)	WC	C6E173(5)	H8HCU50-150	C8HCU150	D10HCU150	C12HCU150 UC
C35 / YC2	C2D5E173(5)	WC	C6173(5)	H8HCU50-150	C8HCU150	D10HCU150	C12HCU150 UC
C50 / YC50C		W1738GE2T		H8HCU50-150	C8HCU150	D10HCU150	C12HCU150 12DE1739
C70-35 / YC26C2		WE					C12HCU240 UE
C70 / YC26C26		WE					C12HCU240 UE

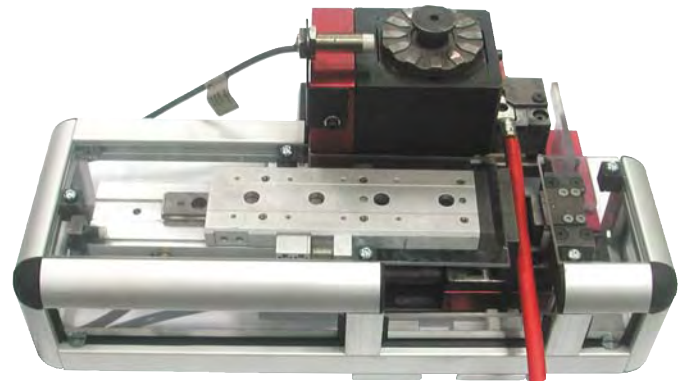
Copper conductors	Y46	SU133 - HU137 - EU137 - Y39E1E - Y39E1BHE	SU210
			
"C" connectors	Die sets	Die sets	Die sets
C6 / YC10C10	C12HCU10 U238		
C10 / YC8C8	C12HCU25 U162		
C16 / YC4C8	C12HCU70 UBG	U13HCU70	
C25-10 / YC4C6	C12HCU95 UBG	U13HCU95	
C25PM / YC4C4	C12HCU95 UBG	U13HCU95	
C25 / YC2C4	C12HCU150 UC	U13HCU150	U13HCU + adaptor U21U13
C35 / YC2C2	C12HCU150 UC	U13HCU150	
C50 / YC50C	C12HCU150 12DE1739	C8HCU150	
C70-35 / YC26C2	C12HCU240 UE	U13HCU240	
C70 / YC26C26	C12HCU240 UE	U13HCU240	

Copper conductors 	HC120 - SC120 - EC127 - Y35 - Y35BH - Y750HS - H750BH Y39 (+ adaptor) 	Y46 	SU133 - HU137 - EU137 - Y39E1E - Y39E1BHE 	SU210 	SAU400 
"C" connectors	Die sets	Die sets	Die sets	Die sets	Die sets
C75	C120C95	C120C95	U130C95	U210C95	U210C95
C95-35 / YC28C2	C120C95 UF	C120C95 UF	U130C95	U210C95	U210C95
YC28C26	UF	UF	U130C95	U210C95	U210C95
C95 / YC28C28	C120C95 UF	C120C95 UF	adaptor PUADP1	U210C95	U210C95
C120 / YC29C29	U708	U708	U708	U210C150	U210C150
YC31C28	U708	U708	U708	U210C150	U210C150
C120 / YC150M	U708	U708	U708	U210C185	U210C185
C185 / YC185M	U1011	U1011	U1011	U210C185	U210C185
C240	U1011	U1011	U1011	U210C185	U210C185
YC240C70	(only with Y750)	P1011	P1011	U210C185	U210C185
C240-120 / YC240C120	U1011 (only with Y750)	P1011	P1011	(only with Y750)	
YC240C	U1011	P1011	P1011	(only with Y750)	

CT-P for tubular and copper brazed terminals of 6 to 95 mm²

General features

- High speed of compression: compression cycle in 4 seconds only. *Automatic system that guarantees a constant compression quality during all the life time of the applicator.
- Compression dies easily interchangeable.
- Specific protection for the operator safety.
- Certified CE product according to the standards: 98/37/CE(Directive of Security of Industrial Machines) 73/23/CEE (Directive of Electric Security), 36/CEE (Directive of Electromagnetic Compatibility)
- Types of compressions available:
 - Hexagonal with indentor
 - Circumferential
 - Indent
- Possibility to develop components and dies for other kind of terminals, please contact us.



Item code	Part number
7519950	POCT

Characteristics		POCTP
Applicator	Weight (kg)	9.5
	Dimensions (mm)	W360 x H147 x D246
	Pneumatic pressure (Mpa)	0.2
	Power supply (V)	220
	Crimping time ⁽¹⁾ (s)	<4
	Die change(min)	<1
	Compatible terminals (ref.)	YAV-DM/YAV-M/YAEV/BY/CTCU-F/CT/CU
Press ⁽²⁾	Crimping Height (mm)	135.8
	Stroke (mm)	40
	Maximum force developed (kN)	80
	Power (kW)	4.2 (5.5HP)
	Weight (kg)	150
	Voltage (V)	380
	Dimensions (mm)	W310 x H1100 x D400

(1) Cable cutting and stripping excluded, Terminal loading and removing included.

(2) Possibility to buy POCT-P without press.

Technical support for tooling



Our technical and commercial department can provide you with technical support services adapted to your needs.



Demonstration

Application

Maintenance/repair

Control/verification

Training on crimping techniques



For any information, please contact us



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Automotive, Aeronautics and Railways electrical connections

Mecatraction has catalogues dedicated booth to railway and automotive products available on request





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CONNECTING SOLUTIONS

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