Non-metallic conduit systems

Quick selection guide

Product selection guide

Type	Pitch	Type PA	Type PA	Type PA	Type PA	Type PF	Type PF	Type PI	Type PI	Type PR	Type PADL
Part number	Fine	PAFL	PAFL-S	PAFS	PAFH	PFFS	PFFH	PIFS	PIFH	PRFS	PADL
	Coarse	PACL	PACL-S	PACS	PACH	PFCS	PFCH	PICS	PICH	PRCS	
Conduit weight		Light weight	Light weight slit	Standard weight	Heavy weight	Standard weight	Heavy weight	Standard weight	Heavy weight	Standard weight	Standard weight
Conduit material		PA6	PA6	PA6	PA6	PA12	PA12	PA11	PA11	PA6	PA6
Covering/overbraid		-	-	-	-	-	-	-	-	-	-
Conduit colour											
Black (BL)		■	■	■	■	■	■	■	■	■	■
Grey (GR)		■	-	■	■	-	-	■	-	-	-
White (W)		-	-	-	-	-	-	-	-	-	-
IP rating (with appropriate fitting)											
IP40		■	-	■	■	-	-	■	■	■	■
IP65		-	-	-	-	-	-	-	-	-	-
IP66		■	-	■	■	■	■	■	■	■	■
IP67		■	-	■	■	■	■	■	■	■	■
P68		■	-	■	■	■	■	■	■	■	■
P69		-	-	■	-	■	■	■	-	■	■

Characteristics

Temperature range											
Static applications (°C)		-40 to +120	-40 to +120	-40 to +120	-40 to +120	-50 to +110	-50 to +110	-50 to +110	-50 to +110	-40 to +120	-40 to +120
Moving applications (°C)		-5 to +120	-5 to +120	-5 to +120	-5 to +120	-45 to +120	-45 to +120	-45 to +120	-45 to +120	-5 to +120	-18 to +120
UV resistance		Very high	Very high	Very high	Very high	Very high	Very high	Very high	Very high	Very high	Very high
Flexibility		High	High	High	Medium	Very high	High	Very high	High	High	Medium
Fatigue life		High	High	High	Medium	Very high	High	Very high	Very high	Medium	Medium
Low fire hazard		-	-	Standard	Standard	Standard	Standard	-	-	Enhanced	Standard
Halogen free		■	■	■	■	■	■	■	■	■	■
Self extinguishing		■	■	■	■	■	■	■	■	■	■
EMI screen		-	-	-	-	-	-	-	-	-	-
High mechanical strength		-	-	-	-	-	-	-	-	-	-
High abrasion resistance		-	-	■	■	■	■	-	-	■	■
Approvals											
BSI Kitemark		■	■	■	■	■	■	■	■	■	-
CE		■	■	■	■	■	■	■	■	■	■
UL / CSA		-	-	■	■	■	■	-	-	-	■
DIN 5510-2		■	■	■	■	■	■	■	■	■	-
NF F		-	-	■	■	■	■	■	■	■	-
LUL 1-085		-	-	-	-	-	-	-	-	■	-
UNI CEI 11170		-	-	-	-	■	■	-	-	-	-
EN45545-2 to HL2		-	-	-	-	■	■	-	-	■	-
EN45545-2 to HL3		-	-	-	-	-	-	-	-	■	-
Page No.		??	??	??	??	??	??	??	??	??	??

Type CP	**Type KF**	**Type KF**	**Type KF**	**Type PP**	**Type XF**	**Type RF**	**Type PK**	**Type PKTC**	**Type PKSS**	**Type PRTC**	**Type PRSS**
CPFM	KFL	KFS	KFM	PPFM	XF	RF	PKFS	PKFSTC	PKFSSS	PRFSTC	PRFSSS
CPCM							PKCS	PKCSTC	PKCSSS	PRCSTC	PRCSSS
Medium weight	Light weight	Standard weight	Medium weight	Medium weight	Standard weight	Standard weight	Standard weight	Standard weight	Standard weight	Standard weight	Standard weight
CPe	PVCu	PVCu	PVCu	PP	PVC	PVC	PK	PK	PK	PA6	PA6
-	-	-	-	-	Plasticised PVC	Plasticised PVC	-	Tinned copper	Stainless steel	Tinned copper	Stainless steel
■	-	-	■	■	■	■	■	-	-	-	-
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-50 to +135	-5 to +60	-5 to +60	-5 to +60	-20 to +90	-5 to +60	-20 to +60	-60 to +260	-60 to +260	-60 to +260	-40 to +120	-40 to +120
-25 to +150	-5 to +60	-5 to +60	-5 to +60	-5 to +105	-5 to +60	-5 to +60	-45 to +260	-45 to +260	-45 to +260	-5 to +120	-5 to +120
Very high	High	High	High	Medium	High	High	Very high	Very high	Very high	Very high	Very high
Very high	Pliable	Pliable	Pliable	High	Very high	Medium	High	High	High	High	High
Very high	Low	Low	Low	Medium	Medium	Medium	High	High	High	Medium	Medium
Standard	-	-	-	-	-	-	Super	Super	Super	Enhanced	Enhanced
■	-	-	-	■	-	-	■	■	■	■	■
■	■	■	■	-	■	■	■	■	■	■	■
-	-	-	-	-	-	-	-	High	Standard	High	Standard
-	-	-	-	-	-	-	-	■	■	■	■
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