

MEDIUM WALL TUBING

AMW / AMWA

Medium wall tubing (AMW), adhesive lined (AMWA)



PERFECT MAKES **Boxco!**



Applications

Suitable for a variety of low voltage electrical and mechanical applications. Recommended to applications for light cable and wire harnesses that require waterproofing, protection, and sealing of connectors components within the tubing.

Features

High electrical insulation. High resistance to impact, abrasion and UV. Provides excellent mechanical protection to cable joints and

terminations. 3:1 shrink ratio allows it to fit over irregular shape and large connectors. Halogen and Cadmium free.

Various

Operating temperature : -55°C to +125°C
Shrink temperature: minimum full temperature 120°C.
Resistant to UV-radiation.

Standard colors: Black. Special color: Red.
Packaging: Spools or length as standards according to product sizes.



Technical data

Property	Test Method	Typical Data
Operating temperature	IEC 216	-55°C to +125°C
Tensile strength	ASTM D 2671	≥ 14 MPa
Tensile strength after aging	ASTM D 2671 (150°C/168 hrs.)	≥ 12 MPa
Elongation at break	ASTM D 2671	≥ 400%
Elongation at break after aging	ASTM D 2671 (150°C/168 hrs.)	≥ 300%
Density	ASTM D 792	1.05g/cm ³
Longitudinal shrinkage	UL 224	0 to - 10%
Dielectric strength	IEC 243	≥ 20 kV/mm
Volume resistance	IEC 93	≥ 10 ¹⁴ Ω.cm
Eccentricity	ASTM D 2671	< 30%
Copper stability	ASTM D 2671	Pass
Resistance to stress cracking	ASTM D 1693 (50°C)	No Cracking
Water absorption	ISO 62 (23°C/14 days)	< 0.15%

Thermoplastic adhesive for AMWA		
Water absorption	ISO 62	< 0.2%
Softening point	ASTM D	85°C
Peel strength (PE)	DIN 30672	4N/cm
Copper stability	ASTM D 2671	Non-corrosive
Resistance to fungus and decay	ISO 846	Pass

Dimensions

AMW / AMWA	As Supplied (mm)		After Recovery (mm)		Tube shape* AMW / AMWA		Standard length AMW / AMWA (m)
	Inside Diameter (min)	Inside Diameter (max)	Inside Diameter (max)	Wall Thickness (min)			
8/2	8	2		1.7	-	O	1.22
12/3	12	3		2.0	-	O	1.22
16/5	16	5		2.2	-	O	1.22
22/6	22	6		2.2	O	O	1.22
28/6	28	6		2.5	O	O	1.22
33/8	33	8		2.5	O	O	1.22
40/12	40	12		2.5	O	O	1.22
55/16	55	16		2.7	O	O	1.22
65/19	65	19		2.8	O	O	1.22
75/22	75	22		3.0	O	O	1.22
85/25	85	25		3.0	O	O	1.22
95/25	95	25		3.0	O	O	1.22
115/34	115	34		3.0	O	O	1.22
140/42	140	42		3.0	-	O	1.22
160/50	160	50		3.0	-	O	1.22
180/58	180	58		3.0	-	O	1.22
205/65	205	65		3.0	-	O	1.22
235/65	235	65		3.0	-	O	1.22
265/75	265	75		3.0	-	O	1.22
300/85	300	85		3.0	-	O	1.22
350/100	350	100		3.0	-	O	1.22

1 m. 1.2 m. 1.5m. sticks as standard, special lengths, sizes, printing and other special features available on request.

* Tube shape "o": Round shape or Oval
"-": Flat shape