



AMWA are medium wall polyolefin tubes offering exceptional insulation and environmental sealing. With UV resistance and superior mechanical properties, engineered for reliable performance in challenging conditions.

DIMENSIONS

Product	Inside Diameter (mm)		Wall Thickness Recovered	Standard Length
	Supplied	Recovered	(mm)	(mm)
AMWA12/3	12	3	1.8	1200
AMWA22/6	22	6	2.2	1200
AMWA28/6	28	6	2.5	1200
AMWA33/8	33	8	2.5	1200
AMWA40/12	40	12	2.5	1200
AMWA55/16	55	16	2.7	1200
AMWA63/19	63	19	2.8	1200
AMWA75/22	75	22	3.0	1200
AMWA85/25	85	25	3.0	1200
AMWA95/25	95	25	3.0	1200
AMWA105/30	105	30	3.3	1200
AMWA115/34	115	34	3.3	1200
AMWA130/36	130	36	3.5	1200
AMWA140/42	140	42	3.5	1200
AMWA160/50	160	50	3.5	1200
AMWA180/60	180	58	3.5	1200

KEY FEATURES

- **Shrink ratio 3 : 1**
- **Operating temperature -55 °C to 110 °C**
- **Minimum full recovery temperature 120 °C**
- **Exceptional impact and abrasion resistance**
- **Excellent environmental and UV resistance**
- **High electrical insulation properties**
- **Colours: Black**

APPLICATION

- Inner and outer sleeves for joints from 1 kV to 36 kV.
- Strain relief / protection of connector components.
- Water proofing of cable and wire harnesses.
- Encapsulation and weatherproofing of irregular shapes.
- Cable outer sheath repairs.

TECHNICAL DATA



Properties	Test Methods	Typical Values
Tensile (MPa)	ASTM D 2671	≥ 14
Elongation (%)	ASTM D 2671	≥ 400
Heat ageing: Tensile (MPa) : Elongation(%)	ASTM D 2671 (150 °C, 168 hrs)	≥ 12 > 300
Water absorption (%)	ISO 62 (23 °C, 14 days)	< 0.15
Eccentricity (%)	ASTM D 2671	< 40
Copper stability	ASTM D 2671	Pass
ESCR (environmental stress crack resistance)	ASTM D 1693 (50 °C)	No cracking
Dielectric strength (kV/mm)	ASTM D 2671	≥ 18
Volume resistivity (Ω/cm)	ASTM D 257 / IEC 93	10 ¹³
Density (g/cm ³)	ASTM D792	1.05
Longitudinal shrink (%)	UL224	≤ 10
Adhesive Lining		
Water absorption (%)	ISO 62	< 0.2
Softening point (°C)	ASTM E28	85 ± 5
Peel strength (N/cm)	DIN 30672	4
Resistance to fungus and decay	ISO 846	Pass