

Heavy Wall Strain Relief Sleeves

AHW



Description

AHW is a non flame retardant heavy wall heatshrink sleeving designed for strain relief of heavy connectors, where flexing of cable at the cable/connector interface can lead to damage of the conductor and ultimately failure. AHW addresses this problem by dissipating the bending force over a larger radius and away from the connector/cable interface.

Features

- Shrink Ratio 2 : 1 and 3 : 1
- Operating temperature - 35 to 125°C
- High chemical resistance
- Excellent mechanical and abrasion resistance
- Colours – Black and neutral
- Minimum shrink temperature 120°C

Technical Data

Properties	Test Methods	Typical Values
Tensile (MPa)	UL 224	> 15
Elongation (%)	UL 224	> 400
Heat Ageing: Tensile (MPa) : Elongation (%)	UL 224 (158°C x 168 hrs)	> 14 > 300
Heat Shock (250°C x 4hrs)	UL 224	Pass
Low temperature Flexibility	ASTM D 2671(4 hrs @ -35°C)	No Cracking
Fluid Resistance * (MPa) (%)	ASTM D 2671 (25°C x 72 hrs)	Tensile > 10 Elongation > 150
Dielectric Strength (kV/mm)	ASTM D 2671	> 20
Volume Resistivity (Ω.cm)	ASTM D 257	10 ¹⁴

*Fluid Resistance: Tests conducted using brake fluid and unleaded petrol

Dimensions

Product	Inside Diameter (mm)		Wall Thickness (mm)	
	Supplied	Recovered	Supplied	Recovered
AHW11/4	11	4	1	3
AHW18/6	18	6	1	3
AHW24/8	24	8	1.2	3
AHW30/10	30	10	1.2	3
AHW36/12	36	12	1.2	3

Eccentricity < 30% as per UL 224

Tolerances on size id's and wall thickness allow 15% on above values

Applications

- Mechanical strain relief at cable/connector interface