

**FLAME RETARDANT
RoHS COMPLIANT
3:1 SHRINK RATIO**

MWHG is a flexible medium wall shrink tube with a 3:1 shrink ratio. This polyethylene shrink tube is available with or without glue. This co-extruded tube provides sealing and insulation for cable connectors. Its heavy glue provides protection from water and dirt ingress.

MWHG Applications

- Cable and Connector Protection and Sealing
- Mechanical Equipment Protection and Strain Relief
- Pip-Anti Corrosion
- Physical Protection and Moisture Prevention
- Sealing of High Voltage Air Insulated Lugs
- Lug Connection to Busbar Connection

**Characteristics**

- Operating Temperature: -45° to 125°C
- Jacket Flame Retardant Per M23053/5 CL 1 (Self Extinguishing after 30 Sec)
- Minimum Shrink Temperature: 125°C
- Full Recovery: 125°C
- Shrink Ratio: 3:1
- Environmentally Friendly
- RoHS Compliant
- Material is rated to 200°C for Short Time Exposure
- Colors: Black, Red, Yellow, Green

Tubing Physical and Electrical Properties

Property	Test Method	Standard	Typical Performance
Tensile Strength, MPa	ASTM D2671	≥ 10.4	11.5
Elongation at Break, %	ASTM D2671	≥ 300	450
Tensile Strength after Aging, MPa	UL224 158°C, 168hr	≥ 7.3	12.5
Elongation at Break after Aging, %	UL224 158°C, 168hr	≥ 200	350
Dielectric strength, kV/mm	IEC 243	≥ 15	17.5
Volume resistivity, Ω-cm	ASTM D876	≥ 10 ¹⁴	2.5x10 ¹⁴

Adhesives Properties

Property	Test Method	Standard
Water Absorption	ASTM D570	<0.2
Softening Point, °C	ASTM E28	90±5
Strength of Peeling, PE	ASTM D 1000	120N/25mm
Strength of Peeling, AL	ASTM D 1000	80N/25mm

Dimensions

Part Number	Expanded	After Recovery			
	Inner Diameter, mm	Internal Diameter, mm	Jacket Thickness, mm	Adhesive Wall Thickness, mm	Total Wall Thickness, mm
MWHG-0.75-(Color Code)-4FT	19.1	5.6	1.7 ± 0.20	0.70 ± 0.15	2.40 ± 0.25
MWHG-1.1-(Color Code)-4FT	28.0	9	2.0 ± 0.20	0.80 ± 0.20	2.80 ± 0.25
MWHG-1.5-(Color Code)-4FT	38.1	12	2.0 ± 0.20	0.80 ± 0.20	2.80 ± 0.25
MWHG-2.0-(Color Code)-4FT	55.0	19	2.1 ± 0.25	0.80 ± 0.20	2.90 ± 0.25

Ordering Information

Color Code(CC): 0=BLK, 2=RED, 4=YLW, 5=GRN,
 P/N Example: MWHG-1.5-2-4FT= 4-Foot Length of RED 1.5" MWHG Tubing