



DBRS-135G (2X) R

Semirigid Military Grade Flame Retardant Heat Shrinkable Tubing



Description

DBRS-135G(2X)R is a heat shrinkable tubing made of cross-linked polyolefin, which carries excellent abrasion resistance, corrosion resistance, and very excellent physical, chemical and electrical properties. DBRS-135G(2X)R finds extensive applications in defense, aerospace and high precision electronic devices serving mainly insulation and protection purposes

Features

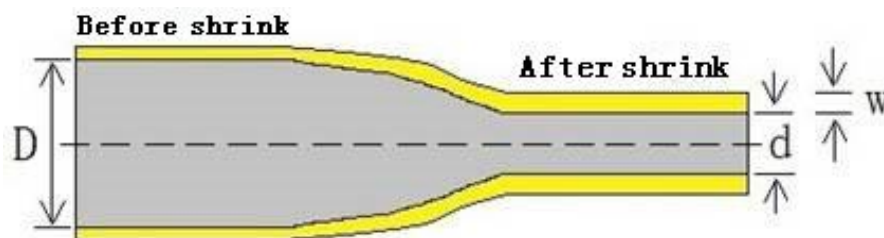
- Meets: UL 224, CAN/CSA C22.2 NO198.1-99
- Shrink Ratio:2:1
- Semi-rigid, Flame Retardant, Wear Resistant, Resistant to general industrial fluids
- Shrink Temperature:90°C ~130°C
- Continuous Operating Temperature:-55°C ~135°C
- RoHS Compliant
- Standard color: Black



Technical Performance

Properties	Typical Data	Test Methods
Tensile Strength	≥16Mpa	ASTM D 2671
Ultimate Elongation	≥500%	ASTM D 2671
Tensile Strength After Heat Aging	≥14Mpa	175°C ×168h
Elongation After Heat Aging	≥250%	175°C ×168h
Longitudinal Change	-5%~+5%	ASTM D 2671
Flammability	Self-extinguishing in 30 sec.	AMS-DTL-23053/4
Voltage Withstand(Rated Voltage 600V)	2500V,1min, no breakdown	UL 224
Heat Shock	No cracks, no dripping	UL 224,250°C ×4h
Dielectric Strength	≥20KV/mm	ASTM D 149
Volume Resistivity	≥10 ¹⁴ Ω.cm	ASTM D 876
Chemical Fluids Resistance	Pass	SAE-AMS-DTL-23053/5

Structure





Dimensions (2:1)

Size (mm)	As supplied D(mm)	After full recovery		Standard Package (M/Roll)
		Inner diameter d	Wall thickness w	
Φ1.2	≥1.2	≤0.60	≥0.40	200
Φ1.6	≥1.6	≤0.80	≥0.40	200
Φ2.4	≥2.4	≤1.20	≥0.50	200
Φ3.2	≥3.2	≤1.60	≥0.50	200
Φ4.8	≥4.8	≤2.40	≥0.50	100
Φ6.4	≥6.4	≤3.20	≥0.60	100
Φ9.5	≥9.5	≤4.80	≥0.60	100
Φ12.7	≥12.7	≤6.40	≥0.60	50
Φ16.0	≥16.0	≤8.00	≥0.70	50
Φ19.1	≥19.1	≤9.50	≥0.70	50
Φ25.4	≥25.4	≤12.7	≥0.90	50

Note: Non-standard packages and sizes are available on request