Shrink-Kon®

Heavy-Wall Heat-Shrinkable Tubing

HS Series

3:1 Shrink Ratio

- Made of thermally stabilized cross-linked polyolefin, enabling a recovered wall thickness greater than that of the cable jacket replaced
- Withstands severe mechanical requirements of U.R.D., submersible, and direct burial installations
- Tubing, featuring an internally applied sealant, offers protection against moisture, and may be used over lead, steel, aluminum, copper, standard plastic and elastomeric insulating materials
- Shrink temperature of 120° C
- High-impact, abrasion, corrosion and chemical resistance
- Rated for 600V, 90° C continuous use
- Thermoplastic adhesive liner provides complete environmental protection and insulation
- Meets: UL® 486D, CSA C22.2 No. 198.2, ANSI C119.1, Western Underground Guide Numbers 2.4, 2.5, ICEA and NEMA insulation thickness requirements
- Continuous operating temperature: -55° C to 110° C

HS Series Specifications

PROPERTY	TEST METHOD	TYPICAL PERFORMANCES
Physical		
• Tensile Strength	ASTM D412, ISO 37	2100 psi (14.5MPa)
• Elongation	ASTM D412, ISO 37	600%
• Elongation after Heat Aging (168 hrs. at 150° C)	ASTM D2671	500%
• Heat Shock (4 hrs. at 225° C)	ASTM D2671	No cracking or flowing
• Longitudinal Change	ASTM D2671	+1%, -10%
• Low Temperature Flexibility (4 hrs. at -55° C)	ASTM D2671	No cracking
• Specific Gravity	ASTM D792	1.1
• Hardness (Shore D)	ASTM D2240	50D
Electrical		
• Dielectric Strength	ASTM D149	500 V/Mil (20kV/mm)
• Dielectric Voltage Withstand (2500 V, 60Hz, 1 Min.)	UL 486D	No Breakdown, 24kV – 1 min., 15kV – 4 hrs.
• Volume Resistivity	ASTM D257	1016 ohm-cm

PROPERTY	TEST METHOD	TYPICAL PERFORMANCES
Chemical		
• Fluid Resistance	MIL-DTL-23053	Good to Excellent
• Fungus Resistance	ASTM G21	No Growth
• Copper Corrosion	ASTM D2671	No Corrosion
• Water Absorption	ASTM D570	0.1%
Adhesive		
• Adhesive Lap Sheer (1 in./min. at 23° C)	ASTM D1002	125 psi (.875 MPa)
• Adhesive Softening Point	ASTM E28	92° C ±5° C
• Adhesive Peel Strength (300mm/min. at 23° C)	ASTM D1000	
— to steel, aluminum, P.E.		35 pli
— PVC		20 pli
• Water Penetration	STM 706	No penetration after 236 hrs. of continuous immersion

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