

HEAT-SHRINKABLE TUBING

IRRAX™ SLEEVE

IRRAX™ SLEEVE SCH

Heat-Shrinkable Heavy Wall Tubing for Joints of Power Cables up to 1kV

IRRAX™ SLEEVE SCH is irradiated cross-linked, thermally-stabilized, polyolefin heat-shrinkable tubing with high performance hotmelt adhesive inner liner for joints of power cables up to 1kV with rubber or PVC sheath.



FEATURES

- Excellent adhesion to Metal, Rubber and polyvinylchloride
- High shrink ratio, 3:1
- Heavy wall
- Dual Wall, hotmelt flexible adhesive inner liner

APPLICATIONS

- Joints of power cables up to 1kV with rubber or PVC sheath for water-proof, insulation and protection



OUTER LAYER PROPERTIES

Items	Test Method	Requirement	Typical Data
Tensile Strength	ASTM D 638	10.0 MPa min.	16.8 MPa
Ultimate Elongation	ASTM D 638	200 %	508 %
Accelerated Aging : at 150°C for 168 hours			
Tensile Strength	ASTM D 638	8.0 MPa min.	23.5 MPa
Ultimate Elongation		100 % min.	532 %
Specific Gravity	ASTM D 792	-	1.20
Low Temperature Flexibility : at -55°C for 1 hour	ASTM D 2671	No Cracking	No Cracking
Hardness (Type D)	ASTM D 2240	40 ~ 60	48
Dielectric Strength Thickness 1mm	IEC 243-1	17kV/mm min.	26.6 kV/mm
Thickness 2mm		12 kV/mm min.	17.7 kV/mm
Dielectric Constant	IEC 250	5.0 max.	1.6
Volume Resistivity	ASTM D 876	$1 \times 10^{12} \Omega \cdot \text{cm}$ min.	$6 \times 10^{15} \Omega \cdot \text{cm}$
Shrinking Temperature	-	-	115 °C



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SIZES

Trade Size	As Supplied	After Shrinkage			Unit Length (min.) [mm]
	Inside Diameter (min.) [mm]	Inside Diameter *1 (max.) [mm]	Wall Thickness		
			Outer Layer (nom.) [mm]	Inner Layer (nom.) [mm]	
12 / 4 - 1220	12.0	4.0	1.80	0.70	1,220
19 / 6 - 1220	19.0	6.0	2.40	1.00	
28 / 9 - 1000	28.0	9.0	3.00	1.10	1,000
38 / 12 - 1000	38.0	12.0	3.70	1.20	
49 / 16 - 1000	49.0	16.0	3.90	1.20	
68 / 22 - 1000	68.0	22.0	4.00	1.20	

Longitudinal Change : -10 % min.

*1 Outer layer only

COLOR

Black

MARKING

SCH XX / YY *XX indicates Trade Size*

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