

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.	550 %
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 Thickness 2mm	IEC 243-1	17kV/mm min. 12 kV/mm min.	26.6 kV/mm 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 (Start / Finish)	-	-	90 °C / 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	4.00	1.80	0.70	1,220
19 / 6 - 1220	19.0	6.00	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	16.0	3.90	1.20	
68 / 22 - 1000	68	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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SUMITOMO ELECTRIC INDUSTRIES, LTD.

Japan [Sales]

SUMITOMO ELECTRIC INDUSTRIES, LTD.

Shibaura Renasite Tower, 3-9-1, Shibaura, Minato-ku, Tokyo 108-8539, JAPAN
Tel: +81-3-6722-3344 Fax: +81-3-6722-3345

Overseas [Sales & Manufacture]

SUMITOMO ELECTRIC INTERCONNECT PRODUCTS, INC.

915, Amorlite Drive, San Marcos, CA 92069-1440, USA
Tel: +1-760-761-0600 Fax: +1-760-761-0625

SUMITOMO ELECTRIC SCHRUMPF-PRODUKTE, GmbH

Oststrasse 89, D-22844 Norderstedt, GERMANY
Tel: +49-40-526-5010 Fax: +49-40-526-4808

SUMITOMO ELECTRIC INTERCONNECT PRODUCTS (HONG KONG) LTD.

Suite 2301, 23rd Fl., Caroline Centre, Lee Gardens II, 28 Yun Ping Rd., Causeway Bay, HONGKONG
Tel: +852-2805-6777 Fax: +852-2504-4690

[Manufacture]

SUMITOMO ELECTRIC FINE POLYMER, INC.

1-950, Asashironishi, Kumatori, Sennan, Osaka 590-0451, JAPAN
Tel: +81-72-452-1301 Fax: +81-72-453-0397

SUMI-PAC CORPORATION

8 Fl., No.34, Chung Shan North Rd., Sec.3, Taipei, TAIWAN R.O.C.
Tel: +886-2-2599-7382 Fax: +886-2-2599-7377

Sumitomo Electric Fine Polymer (Suzhou) Ltd.

Shanghai branch

Room F, 12/ F Huamin Empire Plaza No.728 Yan An Road (W)
Shanghai, CHINA
Tel: +021-6212-6600 Fax: +021-5237-3196