

HEAT-SHRINKABLE TUBING

IRRAX™ SLEEVE

IRRAX™ SLEEVE SCH(6X)

Heat-Shrinkable Heavy Wall Tubing with Very High Shrinking Ratio

IRRAX™ SLEEVE SCH(6X) is irradiated cross-linked, thermally-stabilized, polyolefin heat-shrinkable (very high shrinking ratio) tubing with high performance hotmelt adhesive inner liner for joints of power cables up to 1kV with rubber or PVC sheath for water-proof, insulation and protection,

■ FEATURES

- Excellent adhesion to Metal, Rubber and polyvinylchloride
- Very High shrink ratio, 4:1~6:1
- 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	8.3 MPa min.	16.8 MPa
Ultimate Elongation	ASTM D 638	200 % min.	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	IEC 243-1	7.9kV/mm min.	26.6 kV/mm
Dielectric Constant	IEC 250	3.1 nom.	1.6
Volume Resistivity	ASTM D 876	$1 \times 10^{13} \Omega \cdot \text{cm}$ min.	$6 \times 10^{15} \Omega \cdot \text{cm}$
Water absorption : at 23°C for 24 hours	ASTM D 570	0.5 % max.	0.03
Fluid resistance			
Tensile Strength	SAE-AMS-DTL-23053/15	5.2 MPa min.	14.5 MPa
Ultimate Elongation		100 % min.	565 %

■ SIZES

Trade Size	As Supplied	After Shrinkage		Unit Length [mm]
	Inside Diameter (min.) [mm]	Inside Diameter *1 (max.) [mm]	Wall Thickness *1 (nom.) [mm]	
5/8IN - 6IN	15.3	3.80	1.52	153 ± 6
1-1/4IN - 6IN	31.8	5.50	1.49	
2IN - 6IN	50.8	8.3	2.70	
2-1/2 IN - 6IN	63.5	12.7	3.05	
3IN - 6IN	76.2	19.0	3.56	
4IN - 6IN	101.6	22.8	3.94	

Longitudinal Change : -10% min.

*1 Outer layer only

■ COLOR

Black

■ MARKING

No Marking

(Notice) The information contained in this catalogue is believed to be correct and in accordance with accepted engineering practices. Because of the varied nature of the uses for these products each user should make their own evaluations regarding the suitability of these products for their specific application. Sumitomo Electric Industries, Ltd. makes no warranties regarding the accuracy and completeness of the information and data contained herein, and disclaims any liability from the use or misuse of its products.

Sumitomo Electric Industries, Ltd. shall not be liable for any injury, loss or damage either directly, indirectly or as a consequence arising from the use or misuse of its products mentioned in this catalogue, other than replacement of materials considered defective.



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