

# HEAT-SHRINKABLE TUBING

## IRRAX™ SLEEVE

# IRRAX™ SLEEVE SCT100

Heat-Shrinkable Anti-Tracking Tubing for Cable up to 36KV

**IRRAX™ SLEEVE SCT100** is cross-linked, flexible and heat-shrinkable polyolefin tubing, possessing anti-track and erosion-resistant properties for use as external covering of insulated cores in high voltage cable terminations at indoor and outdoor installations. This product complies with the RoHS directive.

## FEATURES

- High resistance to weathering
- Excellent insulation properties
- Long-term erosion resistance
- Quick and easy to install
- Superior anti-tracking performance

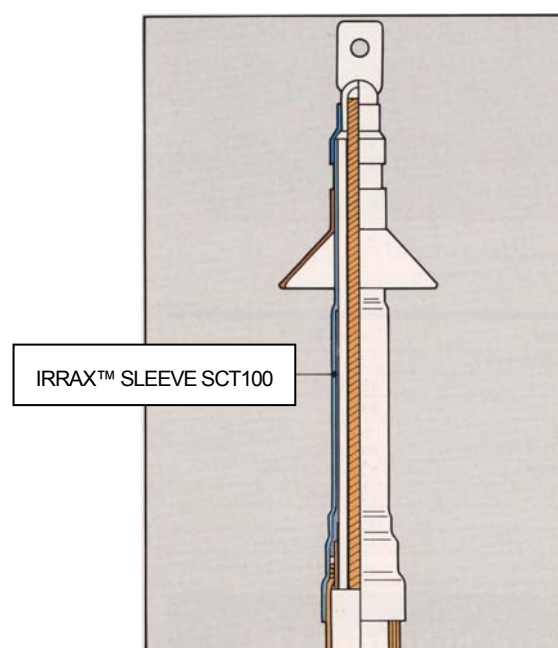
## APPLICATIONS

- Termination of cable

## APPLICABLE STANDARD

- ESI 09-13

## PROPERTIES



| Items                                                            | Test Method               | Requirement                                    |
|------------------------------------------------------------------|---------------------------|------------------------------------------------|
| Tensile Strength                                                 | ISO 37                    | 8.0 MPa min.                                   |
| Ultimate Elongation                                              | ISO 37                    | 200 % min.                                     |
| Specific Gravity                                                 | ISO/R1183-A               | 1.2 nom.                                       |
| Low Temperature Flexibility<br>: at -40°C for 4 hours            | ASTM D2671<br>Procedure C | No Cracking                                    |
| Tracking Resistance                                              | ESI 09-13                 | Pass                                           |
| Dielectric Strength (Thickness 2.5mm)                            | IEC 60243                 | 10 kV/mm min.                                  |
| Dielectric Constant                                              | IEC 60250                 | 3.0 nom.                                       |
| Volume Resistivity                                               | IEC 60093                 | $1 \times 10^{12} \Omega \cdot \text{cm}$ min. |
| Heat Shock : at 250°C for 30 minutes                             | ESI 09-13                 | No Cracking                                    |
| Weather Resistance<br>: 5000hours at specified weather simulator | ESI 09-13                 |                                                |
| Tensile Strength                                                 | ISO 37                    | 7.0 MPa min.                                   |
| Ultimate Elongation                                              | ISO 37                    | 200 % min.                                     |
| Dielectric Strength                                              | IEC 60243                 | 10 kV/mm min.                                  |
| Tracking Resistance                                              | ESI 09-13                 | Pass                                           |



SUMITOMO ELECTRIC INDUSTRIES, LTD.

## SIZES

| Trade Size | As Supplied                 |                            | After Shrinkage             |                            | Unit Length (min.) [mm] |
|------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-------------------------|
|            | Inside Diameter (min.) [mm] | Wall Thickness (nom.) [mm] | Inside Diameter (max.) [mm] | Wall Thickness (nom.) [mm] |                         |
| 8/16-25M   | 16.0                        | 0.70                       | 8.0                         | 1.40                       | 25                      |
| 10/20-25M  | 20.0                        | 0.70                       | 10.0                        | 1.40                       |                         |
| 12/26-25M  | 26.0                        | 1.10                       | 12.0                        | 2.40                       |                         |
| 15/30-25M  | 30.0                        | 1.10                       | 15.0                        | 2.60                       |                         |
| 20/45-25M  | 45.0                        | 1.30                       | 20.0                        | 2.90                       |                         |
| 25/50-20M  | 50                          | 1.50                       | 25.0                        | 3.00                       | 20                      |
| 30/65-20M  | 65                          | 1.50                       | 30.0                        | 3.10                       |                         |
| 45/95-10M  | 95                          | 1.90                       | 45.0                        | 3.80                       | 10                      |

Longitudinal Change : -10 % min.

## COLOR

Red

## 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, Armortite 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