

SUMITUBE[®] FC3 TERMINAL INSULATION

UL & CSA

SEMI-RIGID POLYOLEFIN CUT PIECES 2.3 : 1 Shrink Ratio

UL / CSA RECOGNIZED 125° C 600 V



RoHS Compliant

TYPICAL FEATURES

- 1) SUMITUBE FC3 terminal insulation is flame retarded, polyolefin heat-shrinkable tubing that is recognized by Underwriters' Laboratories (UL) Subject 224 and certified by Canadian Standard Association (CSA).
- 2) SUMITUBE FC3 terminal insulation will shrink to less than 50% of its expanded diameter.
- 3) Shrink temperature is 130° C.
- 4) Operating temperature range is -55° C to +125° C.
- 5) SUMITUBE FC3 terminal insulation is specially sized, expanded and cut to fit over and strain relieve the most common sizes of all combinations of terminals, lugs, spades and disconnect devices.
- 6) SUMITUBE FC3 terminal insulation is supplied in 1" long pre-cut pieces.

STANDARD SIZES

| TRADE SIZE | INSIDE DIAMETER AS SUPPLIED (MIN) | | INSIDE DIAMETER AFTER RECOVERY (MAX) | | WALL THICKNESS AFTER RECOVERY (NOM) | |
|------------|-----------------------------------|------|--------------------------------------|------|-------------------------------------|------|
| | INCH | (MM) | INCH | (MM) | INCH | (MM) |
| #1 | 0.220 | 5.6 | 0.095 | 2.4 | 0.031 | 0.80 |
| #2 | 0.300 | 7.6 | 0.125 | 3.2 | 0.031 | 0.80 |
| #3 | 0.350 | 8.9 | 0.150 | 3.8 | 0.031 | 0.80 |
| #4 | 0.460 | 11.7 | 0.200 | 5.1 | 0.031 | 0.80 |

Standard colors: Black

Standard package: 1" Long Cut Pieces (Also available in coil form per factory quote)

How to Order: (Type of material) (Size) (Color)

Example: FC3 #2 Black

FC3 SPECIFICATION VALUES

| PROPERTY (UNITS) | TEST METHOD | REQUIREMENT |
|---|--|--|
| Physical: Tensile strength (psi) Elongation (%) Specific gravity Heat resistance (158° C, 168 hrs.) Elongation (%) Secant modulus (psi) Deformation (125° C 1 hr.) (%) Longitudinal change (%) | ASTM D 638 ASTM D 638 ASTM D 792 UL 224 ASTM D882 UL 224 AMS-DTL-23053 | 2000 min.. 200 min. 1.35 min. 100 min. 2.5 X 10 ⁴ min. 50 max. ±5 |
| Electrical: Dielectric strength withstand (2,500V, 60 sec.) Original After aging (158°C, 168 hrs.) Volume resistivity (ohm-cm) | UL 224 UL 224 ASTM D 876 | No breakdown No breakdown 1.0 X 10 ¹⁴ min. |
| Chemical: Copper stability (158° C 168 hrs.) Elongation (%) Water absorption (%) Flammability | UL 224 ASTM D570 UL 224 (All tubing flame test) | 100 min. 0.5 max. pass |

Specification reference: UL 224 125° C, 600V
 File E48762 YDPU2, Cat. No. SUMITUBE FC3 or 967
 CSA C-22.2 No. 198.1, 125° C, 600V File LR33298

Marking: #SUMITOMO-K CSA SR HS X PO TUBING 125° C SUMITUBE FC3

 **SUMITOMO ELECTRIC**
INTERCONNECT PRODUCTS INC.
www.seipusa.com

915 Armorlite Drive
 San Marcos, CA 92069

Telephone: (800) 758-3515
 FAX: (800) 758-3517
 Rev. 7/5/05