

IRRAX SLEEVE SCM2

MEDIUM WALL POLYOLEFIN WITH SEALANT High Shrink Ratio



RoHS Compliant



Lead-Free

TYPICAL FEATURES

- 1) SUMITUBE SCM2 is a medium wall, heat-shrinkable polyolefin tubing with large expansion ratios and an inner liner of hot melt adhesive.
- 2) The outer jacket is flame retarded.
- 3) Shrink temperature is 100° C.
- 4) SUMITUBE SCM2 provides good electrical insulation and, at the same time, resists abrasion and corrosion. The material is tough and provides good mechanical support and strain relief.
- 5) Operating temperature range is -40° C to +120° C
- 6) Typical applications include covering of splices and electrical terminations. SCM2 sleeves provide seals with a variety of synthetic sheath materials and most metals, including lead, aluminum and steel.

STANDARD SIZES

SIZE	INSIDE DIAMETER AS SUPPLIED (MING)		INSIDE DIAMETER AFTER RECOVERY (MAX)		WALL THICKNESS AFTER RECOVERY (NOM)	
	INCH	(MM)	INCH	(MM)	INCH	(MM)
04	.402	10.2	.150	3.8	.059	1.5
07	.748	19.0	.220	5.6	.079	2.0
11	1.102	28.0	.374	9.5	.079	2.0
13	1.299	33.0	.402	10.2	.079	2.0
15	1.500	38.1	.500	12.7	.091	2.3
17	1.732	44.0	.551	14.0	.091	2.3
20	2.051	52.1	.717	18.2	.091	2.3
27	2.756	70.0	1.004	25.5	.091	2.3
35	3.543	90.0	1.181	30.0	.098	2.5
50	4.900	125.0	1.575	40.0	.100	2.5

Standard Colors: Black

Standard Package: 4 feet (4')

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

Example: SCM 04 Black 4'

IRRAX SLEEVE SCM2 Specification Values

PROPERTY (UNITS)	TEST METHOD	REQUIREMENT
Physical: Tensile strength (psi) Elongation (%) Low temperature flexibility (-40° C) Heat shock (200° C, 4 hrs.) Heat resistance (150° C, 168 hrs.) Tensile strength (psi) Elongation (%) Longitudinal change (%)	ASTM D 638 ASTM D 638 ASTM D 2671 ASTM D 2671 ASTM D 2671 AMS-DTL-23053	1,500 min. 350 min. no cracking no cracking of outer wall 80% of original value, min 85% of original value, min 0 to -10
Electrical: Dielectric strength (volts/mil) Volume resistivity (ohm-cm)	ASTM D 876 ASTM D 876	350 MIN. 1.0 X 10 ¹³ MIN.
Chemical: Water absorption (%) Shrink temperature, nominal	ASTM D 570 -----	0.5 max. 110° C

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