IRRAX SLEEVE SCH(6X)

VERY HIGH EXPANSION RATIO POLYOLEFIN WITH SEALANT

RoHS Compliant Lead-Free Halogen-Free

TYPICAL FEATURES

1) IRRAX SLEEVE SCH(6X) is a medium to heavy wall, heat-shrinkable polyolefin tubing with large expansion ratios and an inner liner of hot melt adhesive.

2) IRRAX SLEEVE SCH(6X) is *not* flame retarded.

3) Shrink temperature is 121° C.

4) IRRAX SLEEVE SCH(6X) 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 -55° C to +90° C

6) Typical applications include those requiring a high expansion ratio, such as the transition between the back of a connector to a much smaller diameter cable. It is also well suited for repair applications and covering irregularly shaped objects.

STANDARD SIZES

SIZE	INSIDE DIAMETER AS SUPPLIED (MING)		INSIDE DIAMETER AFTER FULL RECOVERY (MAX)		WALL THICKNESS AFTER FULL RECOVERY (NOM)	
	INCH	(MM)	INCH	(MM)	INCH	(MM)
5/8”	0.602	15.3	0.150	3.8	0.060	1.52
2”	2.000	50.8	0.374	9.5	0.106	2.70
2 1/2”	2.500	63.5	0.500	12.7	0.120	3.05
3”	3.000	76.2	0.748	19.0	0.140	3.56
4”	4.000	101.6	0.898	22.8	0.155	3.94

Standard Colors: Black
Standard Package: 6” long cut pieces ± ¼” (152.5 ± 6.5 mm)
How to Order: (Type of material) (Size) (Color) (Packaging)
Example: SCH(6X) 2” Black 6 IN.

IRRAX SLEEVE SCH(6X) Specification Values

PROPERTY (UNITS)	TEST METHOD	REQUIREMENT
Physical:		
Tensile strength (psi)	ASTM D 638	1,200 min.
Elongation (%)	ASTM D 638	200 min.
Longitudinal change (%)	ASTM D 2671	-10 min.
Electrical:		
Dielectric strength (volts/mil)	IEC 243	200 MIN.
Volume resistivity (ohm-cm)	ASTM D 876	1.0×10^{13} MIN.
Dielectric constant	IEC 250	3.1 nom.
Chemical:		
Water absorption (%)	ASTM D 570	0.5 max.
Shrink temperature, nominal	-----	121° C
Fungus resistance	ASTM G 21	No growth
Color stability	AMS-DTL-23053/15	Pass
Fluid resistance, 24 hrs. @ 23° C	AMS-DTL-23053	
MIL-A-8243		
MIL-H-5606		
MIL-T-5624		
MIL-L-7808		
MIL-L-23699		
5% NaCl solution		
Followed by:		
Tensile strength, psi		750 psi
Elongation, %		100 min.

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