

## 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	10.0 MPa min.	16.8 MPa
Ultimate Elongation	ASTM D 638	200 %	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	17kV/mm min.	26.6 kV/mm
Thickness 1mm		12 kV/mm min.	17.7 kV/mm
Thickness 2mm			
Dielectric Constant	IEC 250	5.0 max.	1.6
Volume Resistivity	ASTM D 876	$1 \times 10^{12} \Omega \cdot \text{cm}$ min.	$6 \times 10^{15} \Omega \cdot \text{cm}$
Shrinking Temperature	-	-	115 °C

## SIZES

Trade Size	As Supplied	After Shrinkage		Unit Length (min.) [mm]
		Inside Diameter *1 (max.) [mm]	Wall Thickness *1 (nom.) [mm]	
5/8IN - 6IN	15.3	3.8	1.52	153 ± 6
1-1/4IN - 6IN	31.8	5.5	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

SCH XX / YY      XX indicates Trade Size

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