

COMPOSITE DUAL WALL HEAT SHRINKABLE TUBING

SHRINK RATIO: 3:1 INSULATED INNER WALL RoHS E306685



Volt-175 is a composite dual wall 3:1 shrink ratio; flame retardant, semi-conductive heat shrinkable tubing. It has excellent electrical, physical, and chemical properties that meet or exceed industry standards. This specialized heat shrink tubing has an insulated inner wall with an outer layer that provides shield protection.

Volt-175 Applications

Ideal for Power Cable Insulation and Power Cable Straight Joints

Semi-Conductive Outer Jacket allows for Application up to 35 Kilovolts

High Voltage Cable Assemblies

Characteristics

Operating Temperature: -55° to 135° Celsius

Shrink Temperature: Start at 70° C; Shrinkage Complete 120° C

Shrink Ratio: 3 to 1

Colors: Black, other Colors Available Upon Request

Resistance to Water

Specifications

Gamma			Total Wall Thickness	Standard Packaging
Part No.	ID As Supplied	ID After Recovery	After Recovery	Packaging
W/ Size	mm	mm	mm	Spools
VOLT-175-30	30	11	5	1000 FT
VOLT-175-35	35	13	5	1000 FT
VOLT-175-45	45	16	5	1000 FT
VOLT-175-55	55	20	6	1000 FT
VOLT-175-65	65	25	6	500 FT
VOLT-175-88	88	30	7	500 FT
VOLT-175-100	100	38	7	500 FT
VOLT-175-120	120	45	7	500 FT

Properties

Inner Insulating Layer		
Property	Test Method	Standard
Shore Hardness		≤90
Tensile Strength	GB/T	≥12
Elongation	GB/T	≥300%
Thermal Aging 120°C X 168 hr		K1>0.8, K2>0.7
Volume Resistance	GB/T 1040	≥1X10 ¹⁴
Water Absorption (%)	ASTM D570	≤0.5%

Outer Semi-Conductive Layer		
Property	Test Method	Standard
Shore Hardness		≤0.5%
Tesile Strength (Mpa)	GB/T 1040	≥14
Elongation	GB/T 1040	≥300%
Thermal Aging 120°C X 168 hr		K1>0.8, K2>0.7
Volume Resistance	GB/T 1410	50-100

Color Code: 0=BLK, 1=BRN, 2=RED, 3=ORN, 4=YLW, 5=GRN, 6=BLU, 7=VIO, 8=GRY, 9=WHT, X=CLR

P/N Example: VOLT-175-30mm-0 = Black 30mm Tubing

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