



### Features/Applications

GREMTUBE® G61 3X is a flexible, high shrink ratio, flame retardant, irradiated polyolefin heat shrink tubing.

GREMTUBE® G61 3X offers excellent insulation properties and meets the most stringent industrial, military and railway requirements. It covers a wide range of diameters, allowing reduced inventory. It fits snugly on tight bends.

GREMTUBE® G61 3X is suitable for electrical cable insulation, strain relief and cable bundling. It is widely used for joints when UL rating is required.

### Various

Standard colours: Black, white, red, blue, yellow, green, clear.  
Special sizes and colours available on request.

### Specifications

Railway approved EN 45545-2.

UL 224, File N°E328344: VW-1, 600V (AC), 125°C (except clear products).

MIL-I-23053/5 Class 1 and 3 (coloured products), Class 2 (clear), 600V (AC), 135°C.

### Dimensions



Reference	As supplied (mm)	After recovery (mm)		Standard Length (m)	
		Inside Diameter Min. (D)	Inside Diameter Max. (d)	Spool	Stick
GREMTUBE® G61 3X					
001,5	1,5		0,5	200	1,2
003,0	3,0		1,0	150	1,2
004,5	4,5		1,5	150	1,2
006,0	6,0		2,0	100	1,2
009,0	9,0		3,0	100	1,2
012,0	12,0		4,0	50	1,2
018,0	18,0		6,0	50	1,2
022,0	22,0		8,0	30	1,2
024,0	24,0		8,0	30	1,2
039,0	39,0		13,0	20	1,2
050,0	50,0		17,0	20	1,2

●Spools as standard, cut pieces available on request

### Property

Property	Values	Test Methods
<b>Physical</b>		
Working temperature	-55°C to +135°C	-
Longitudinal change	-15% to 0%	-
Tensile strength	≥ 10,4 MPa	UL 224
Elongation at break	Unaged ≥ 200%	
Tensile strength	≥ 7,8 MPa	UL 224
Elongation at break	Aged (168h @ 175°C) ≥ 100%	
Heat shock	4h @ 250°C	UL 224
Low temperature flexibility	4h @ -55°C	UL 224
Flammability, Smoke & Toxicity	Procedure B/C	UL 224
	Pass	EN 45545-2
<b>Electrical</b>		
Dielectric strength	≥ 20 kV/mm	ASTM D 2671
Volume resistivity	≥ 10 <sup>14</sup> Ω.cm	ASTM D 876
<b>Chemical</b>		
Copper corrosion	168h @ 175°C	UL 224
	No corrosion	

Recommended storage conditions: Keep in cool, dry, ventilated storage (maximum temperature of 35°C) and in closed containers.

