



Features/Applications

GREMTUBE® G63 3X is a flexible, high shrink ratio, flame retardant, irradiated Polyolefin heat shrink tubing. GREMTUBE® G63 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® G63 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, Red, Blue, Green, Yellow, White, Clear.
Special sizes and colours are available on request.

Specifications

Railway validation: EN 45545-2 – HL3 (R24).
UL 224, File No. E328344: VW-1, 600V (AC), 125°C. (Except clear products)
MIL-I-23053/5 Class 1 and 3, 135°C.

Dimensions



Reference	As supplied (mm)	After full recovery (mm)		Standard Length (m)	
	Inside Diameter Min. (D)	Inside Diameter Max. (d)	Wall Thickness (t)	Spool	Stick
GREMTUBE® G63 3X					
001,5	1,50	0,5	0,45 ±0,10	200	1,2
003,0	3,00	1,0	0,55 ±0,10	150	1,2
004,5	4,50	1,5	0,60 ±0,10	150	1,2
006,0	6,00	2,0	0,65 ±0,10	100	1,2
009,0	9,00	3,0	0,75 ±0,15	75	1,2
012,0	12,0	4,0	0,75 ±0,15	50	1,2
015,0	15,0	5,0	0,80 ±0,15	50	1,2
018,0	18,0	6,0	0,85 ±0,15	30	1,2
024,0	24,0	8,0	1,00 ±0,20	30	1,2
030,0	30,0	10,0	1,15 ±0,20	30	1,2
039,0	39,0	13,0	1,50 ±0,20	30	1,2
050,0	50,0	16,0	2,50 ±0,20	25	1,2
070,0	70,0	23,0	2,60 ±0,20	20	1,2
080,0	80,0	26,0	2,60 ±0,20	20	1,2
090,0	90,0	30,0	2,60 ±0,20	20	1,2
100,0	100,0	33,0	2,60 ±0,20	20	1,2

• Spools as standard, cut pieces are available on request

Property		Values	Test Methods
Physical	Working temperature	-55°C to +135°C	-
	Longitudinal change	±8%	-
	Tensile strength	Unaged	UL 224
	Elongation at break		
	Tensile strength	Aged 168h @ 175°C	UL 224
	Elongation at break		
	Heat shock	4h @ 250°C	UL 224
	Cold Bend	1h @ -55°C	UL 224
	Flammability, Smoke & Toxicity	Procedure C	UL 224
		R24 - HL3	EN 45545-2
Electrical	Dielectric strength	≥ 19,7 kV/mm	ASTM D 2671
	Dielectric withstand	60s @ 2500V	UL 224
	Volume resistivity	≥ 10 ¹⁴ Ω.cm	ASTM D 876
Chemical	Copper stability	168h @ 175°C	UL 224
	Anti Corrosion	168h @ 175°C	UL 224



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

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Whilst every attempt is made to provide data that is as accurate as possible the values provided should be treated as a guide only. It remains the responsibility of the user to test the product and determine suitability. GREMTEK shall not be held responsible for any loss or defect resulting from incorrect, improper or inappropriate use of this product.