



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 available on request.

Specifications

Railway approved EN 45545-2.
UL 224, File N°E328344: VW-1, 600V (AC), 125°C. (Except clear product)
MIL-I-23053/5 Class 1 and 3, 135°C.

Dimensions



Reference	As supplied (mm)	After recovery (mm)		Standard Length (m)		
		Inside Diameter (D)	Inside Diameter (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	30	1,2	
070,0	≥ 70,0	≤ 23,0	2,60 ±0,20	30	1,2	
080,0	≥ 80,0	≤ 26,0	2,60 ±0,20	30	1,2	
090,0	≥ 90,0	≤ 30,0	2,60 ±0,20	30	1,2	
100,0	≥ 100,0	≤ 33,0	2,60 ±0,20	30	1,2	

•Spools as standard, cut pieces available on request

Property	Values	Test Methods
Physical		
Working temperature	-55°C to +135°C	-
Longitudinal change	±8%	-
Tensile strength	Unaged	≥ 10,4 MPa
Elongation at break		≥ 200%
Tensile strength	Aged 168h @ 175°C	≥ 7,3 MPa
Elongation at break		≥ 100%
Heat shock	4h @ 250°C	No cracking
Cold Blend	1h @ -55°C	No cracking
Flammability, Smoke & Toxicity	Procedure C	VW-1
		R24 - HL3
		EN 45545-2
Electrical		
Dielectric strength		≥ 19,7 kV/mm
Dielectric withstand	60s @ 2500V	No Breakdown
Volume resistivity		≥ 10 ¹⁴ Ω.cm
Chemical		
Copper stability	168h @ 175°C	Pass
Anti Corrosion	168h @ 175°C	Pass

Recommended storage conditions: Keep in cool, dry, ventilated storage (maximum temperature of 45°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.