



### Features/Applications

GREMTUBE® G53 3X is a flexible, flame retardant, irradiated polyolefin heat shrink tubing. GREMTUBE® G53 3X has excellent insulation properties. GREMTUBE® G53 3X is suitable for electrical insulation, strain relief, bonding of cables and connectors and is widely used for joints or terminations.

### 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)

### Dimensions



Reference	As supplied (mm)		After recovery (mm)		Standard Length (m)
	Inside Diameter (D)	Inside Diameter (d)	Inside Diameter (d)	Wall Thickness (t)	Spool
GREMTUBE® G53 3X					
001,5	≥ 1,50	≤ 0,5		0,45 ±0,10	200
003,0	≥ 3,00	≤ 1,0		0,55 ±0,10	150
004,5	≥ 4,50	≤ 1,5		0,60 ±0,10	150
006,0	≥ 6,00	≤ 2,0		0,65 ±0,10	100
009,0	≥ 9,00	≤ 3,0		0,75 ±0,15	75
012,0	≥ 12,0	≤ 4,0		0,75 ±0,15	50
015,0	≥ 15,0	≤ 5,0		0,80 ±0,15	50
018,0	≥ 18,0	≤ 6,0		0,85 ±0,15	30
024,0	≥ 24,0	≤ 8,0		1,00 ±0,20	30
030,0	≥ 30,0	≤ 10,0		1,15 ±0,20	30
039,0	≥ 39,0	≤ 13,0		1,50 ±0,20	30
050,0	≥ 50,0	≤ 16,0		2,50 ±0,20	30
060,0	≥ 60,0	≤ 20,0		2,60 ±0,20	30
070,0	≥ 70,0	≤ 23,0		2,60 ±0,20	30
080,0	≥ 80,0	≤ 26,0		2,60 ±0,20	30
090,0	≥ 90,0	≤ 30,0		2,60 ±0,20	30
100,0	≥ 100,0	≤ 33,0		2,60 ±0,20	30

•Spools as standard, cut pieces available on request

Property	Values	Test Methods
<b>Physical</b>		
Working temperature	-55°C to +125°C	-
Longitudinal change	±5%	-
Tensile strength	Unaged	≥ 10,4 MPa
Elongation at break		≥ 200%
Tensile strength	Aged 168h @ 158°C	≥ 7,3 MPa
Elongation at break		≥ 100%
Heat shock		No cracking
Cold Blend	1h @ -30°C	No cracking
Flammability, Smoke & Toxicity	Procedure C	VW-1
		R22 - HL3
<b>Electrical</b>		
Dielectric strength		≥ 15 kV/mm
Dielectric withstand	60s @ 2500V	No Breakdown
Volume resistivity		≥ 10 <sup>14</sup> Ω.cm
<b>Chemical</b>		
Copper stability	168h @ 158°C	Pass
Anti Corrosion	168h @ 158°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.