



### Features/Applications

GREMTUBE® GKY 175 is a high temperature, highly flame retardant, PVDF (Polyvinylidene fluoride) heat shrink tubing. GREMTUBE® GKY 175 offers a high temperature performance, an excellent resistance to chemicals and outstanding abrasion and cut-through characteristics. GREMTUBE® GKY 175 is suitable for wire and solder joints, terminals, connections, sensors and components exposed to high temperature or aggressive chemicals.

### Various

Standard colours: Clear, Black.

### Specifications

UL 224, File n°E328344 (VW-1, 600V, 150°C)  
CSA C22.2 (OFT, 600V, 150°C)  
MIL-I-23053/8 Class 1, 600V, 175°C

### Dimensions



Reference <i>GREMTUBE® GKY 175</i>	As supplied (mm) Inside Diameter Min. (D)	After recovery (mm)		Standard Length (m)	
		Inside Diameter Max. (d)	Wall Thickness Min. (t)	Spool	Stick
3/64	1.2	0.6	0,203	200	1.2
1/16	1.6	0.8	0,203	200	1.2
3/32	2.4	1.2	0,229	200	1.2
1/8	3.2	1.6	0,229	200	1.2
3/16	4.8	2.4	0,229	100	1.2
1/4	6.4	3.2	0,279	100	1.2
3/8	9.6	4.8	0,279	100	1.2
1/2	12.7	6.4	0,279	100	1.2
3/4	19.1	9.5	0,356	100	1.2
1	25.4	12.7	0,406	100	1.2

● Cut pieces available on request

Property		Values	Test Methods		
<b>Physical</b>	Working temperature	-55°C to +175°C	-		
	Longitudinal change	±10 %	-		
	Tensile strength	Unaged	≥ 3,52 kgf/mm <sup>2</sup>	ASTM D 412	
	Elongation		≥ 150%	MIL-I-23053	
	Tensile strength	Aged (168h @ 250°C)	≥ 1,48 kgf/mm <sup>2</sup>	MIL-I-23053	
	Elongation		≥ 100%	MIL-I-23053	
	Heat shock (4h @ 300°C)		Pass	MIL-I-23053	
	Low temperature flexibility (4h @ -55°C)		No crack	MIL-I-23053	
	Secant modulus		≤ 828 MPa	ASTM D 882	
<b>Electrical</b>	Dielectric strength	Size to 0,5"	≥ 31,5kV/mm	ASTM D 2671	
		Size over 0,5"	≥ 23,6kV/mm		
	Volume resistivity		≥ 1x10 <sup>13</sup> Ω-cm	ASTM D 876	
<b>Chemical</b>	Copper Corrosion (168h @ 180°C)		No corrosion	UL 224	
	Copper stability elongation	Dielectric strength	No sign of degradation min. 100%		
	Corrosion (16h @ 175°C)	Copper		No corrosion	MIL-I-23053
		Copper mirror		No corrosion	
Flammability		Pass	UL 224		

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

