



Diesel and Aviation Fluid Resistant Heat Shrinkable Tube

SHRINK RATIO 2:1

MIL-DTL-23053/16

FLAME RETARDANT

RoHS COMPLIANT

HIGHLY FLEXIBLE



GDR-250 is a specially formulated elastomeric

heat shrinkable tube designed for high temperature fluid resistance and long-term heat resistance. Highly resistant to aviation and diesel fluids, hydraulic fluids and lubricating oils.

GDR-250 Applications

Suitable for jacketing material for military ground vehicle cables and harnesses

Motor sport cable and wire harnesses

Used for protecting solder joints, wires, cables, terminals, connectors and various electronic components from most industrial fuels, abrasion, and mechanical damage.

Characteristics

Operating Temperature: -55° to 150° Celsius

Minimum Full Recovery Shrink Temperature: 175°C

Flame Retardant, UL VW-1

Shrink Ratio: 2:1

Environmentally Friendly

Packaging: 1/8" to 3" Inch Spools

Specifications

Standard Wall

Gamma	Minimum Expanded		Maximum Recovered	Recovered Thickness	Standard Packaging
Part No.	as Supplied		After Heating	After Heating	Packaging
W/ Size	Mm	Inch	Mm	Mm	Spool
GDR-250-1/8	3.2	0.125	1.6	0.76	500'
GDR-250-3/16	4.8	0.187	2.4	0.85	500'
GDR-250-1/4	6.4	0.250	3.2	0.90	250'
GDR-250-3/8	9.5	0.375	4.8	1.02	250'
GDR-250-1/2	12.7	0.500	6.4	1.22	250'
GDR-250-3/4	19.1	0.750	9.5	1.45	100'
GDR-250-1	25.4	0.100	12.7	1.80	100'
GDR-250-11/2	38.1	0.150	19.1	2.40	50'
GDR-250-2	50.8	0.200	25.4	2.80	50'
GDR-250-3	76.2	0.300	38.1	3.2	50'

Thin Wall

Gamma	Minimum Expanded		Maximum Recovered	Recovered Thickness	Standard Packaging
Part No.	as Supplied		After Heating	After Heating	Packaging
W/ Size	Mm	Inch	Mm	Mm	Spool
GDR-250TW-3/32	2.4	0.094	1.2	0.51	500'
GDR-250TW-1/8	3.2	0.125	1.6	0.51	500'
GDR-250TW-3/16	4.8	0.187	2.4	0.51	500'
GDR-250TW-1/4	6.4	0.250	3.2	0.64	250'
GDR-250TW-3/8	9.5	0.375	4.8	0.64	250'
GDR-250TW-1/2	12.7	0.500	6.4	0.64	250'
GDR-250TW-3/4	19.1	0.750	9.5	0.76	100'
GDR-250TW-1	25.4	1.000	12.7	0.90	100'
GDR-250TW-11/4	31.8	1.240	15.9	1.10	50'
GDR-250TW-11/2	38.1	1.500	19.1	1.02	50'

Properties

Property	Test Method		Standard
Operating Temperature	IEC216		-55°C to 150°C
Un-aged Tensile Strength	ASTM D 2671		Min.13MPa
Un-aged Elongation	ASTM D 2671		Min.500%
After Aged Elongation	160C, 168hrs		Min220%
Heat Shock	215C, 4hrs		No Cracking or Dropping
Flexibility (2% secant)	ASTM D 882		Max. 50MPa
Volume Resistance	ASTM D 876		Min. 10 ⁹ Ω.cm
Flammability	ASTM D 2671		Self-extinguish in 15 sec
Fluid Resistance Tensile Strength Fluid Resistance Elongation	ISO 37 24 hrs at	Diesel at 70C Hydraulic at 70C Lubricant at 100C	Min.10 Mpa Min 300%

Color Code: 0=BLK, 1=BRN, 2=RED, 3=ORN, 4=YLW, 5=GRN, 6=BLU, 7=VIO, 8=GRY, 9=WHT, X=CLR

P/N Example: GDR-1/4-0 = Black 1/4" Tubing

Property of Gamma Electronics Inc.

www.gammaelectronics.net

