



IRRADIATED CROSSLINKED POLYOLEFIN HEAT-SHRINK TUBE

SHRINK RATIO 3:1

RoHS COMPLIANT

E306685

GMT-321 is a general-purpose high shrink ratio polyolefin heat shrinkable tube. The increased shrink ratio from **GMT-321** allows coverage for irregular sizes. It has excellent physical, chemical, and electrical properties. Few sizes cover a variety of diameters, which allows for inventory reduction and coverage for irregular shapes.

GMT-321 Applications

Insulation and Strain relief for wire terminations and electrical connections

Light Duty Wire & Cable Harnesses and assemblies

Cable & Connector Protection

Spools Used in Automatic Cutting Machines

Characteristics

Operating Temperature: -45° to 135° Celsius

Shrink Temperature: 120°

Flame Retardant (Except Clear)

Shrink Ratio: 3:1

Environmentally Friendly

Colors: Standard Packages Available in Black, Colors Available Upon Request

Specifications

Gamma	Inside Diameter				Recovered Wall Thickness		Standard Packaging
Part No.	Minimum Expanded as Supplied		Maximum Recovered After Heating		After Heating		Packaging
W/ Size	mm	inch	mm	inch	mm	inch	Spool
GMT-321-1.5	1.5	0.06	0.5	0.019	0.45±0.10	0.018±0.003	1000'
GMT-321-3	3	0.118	1	0.039	0.55±0.10	0.022±0.003	1000'
GMT-321-4.5	4.5	0.117	1.5	0.059	0.55±0.10	0.022±0.003	500'
GMT-321-6	6	0.236	2	0.079	0.65±0.10	0.026±0.003	500'
GMT-321-9	9	0.354	3	0.118	0.75±0.12	0.030±0.004	500'
GMT-321-12	12	0.427	4	0.157	0.75±0.12	0.030±0.004	250'
GMT-321-18	18	0.709	6	0.236	0.85±0.12	0.033±0.004	100'
GMT-321-24	24	0.994	8	0.315	1.00±0.18	0.039±0.007	100'
GMT-321-39	39	1.534	13	0.512	1.15±0.20	0.045±.008	100'

Properties

Property	Test Method	Standard
Tensile Strength	ASTM D638	≥ 10.4MPa
Elongation at Break	ASTM D638	≥ 200%
Longitudinal Shrinkage	UL224	≤ 0.5%
Dielectric Strength	ASTM D150	≥ 15kv/mm
Volume Resistance	ASTM D876	≥ 10 ¹⁴ Ω .cm
Water Absorption	ASTM D570	≤ 0.5%
Copper Stability	UL224	No Corrosion

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: GMT-321-3-0 = 3mm ID Black 3:1 Heat Shrink Tubing

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