

HILEC TURBO[®] 117U

THERMAL CLASS: 200°C

SILICONE RUBBER TUBING



300 VOLT GRADES

600 VOLT GRADES

DESCRIPTION

TURBO[®] 117U is unsupported silicone rubber tubing produced from a custom formulated methyl-vinyl polysiloxane silicone rubber.

TURBO[®] 117U exhibits excellent electrical and mechanical properties and it retains its flexibility over a wide temperature range.

TURBO[®] 117U is easily dilated to fit over irregular shapes and will subsequently shrink to a close fit over the underlying component.

TURBO[®] 117U Silicone rubber tubing is available in a fire retardant version which meets requirements of VW-1 testing. Order as **TURBO[®]117U-FR**.

TURBO[®] 117U is available for both 300V and 600V systems.

RECOMMENDED USE

TURBO[®] 117U is recommended for insulation of irregular shaped leads, connections and components such as coils, relays, solenoids, etc, where extreme temperature variations are encountered.

TURBO[®] 117U silicone rubber coated fiberglass sleeving is the only flexible insulating material which remains useful for continuous service in ambient temperatures from -70°C through +200°C.

COATING PROPERTIES

| | |
|--|------------------------------------|
| Thermal Endurance: | -70°C-200°C |
| TURBO[®]117U-FR (Available in Fire Retardant Version) | Meets requirements of VW-1 Testing |

BRAND NAMES

TURBO[®]117U

SIZES

T117U-300 AWG #24 thru #5
T117U-600 AWG #24 thru 3/4"

PUT-UP

Continuous Length Spools
Cut to Length

COLORS

Black (BK), White (WH)
Additional Colors On Following Page

| Product Number | Voltage Rating | Wall Thickness | Durometer |
|----------------|----------------|----------------|-----------|
| T117U-300 | 300V | 0.015" | 65 |
| T117U-600 | 600V | 0.035" | 65 |

Phone: (585) 492-2212 • Fax: (800) 450-8193
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Manufactures and Fabricators of Electrical Sleeving for Industry

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SILICONE RUBBER TUBING

PRODUCT SPECIFICATIONS

| Silicone Rubber Tubing | | | | T117U-300 300 V | T117U-600 600 V | Standard Put-Up | | | Bulk Put-Up (Add a -B to Part Number) | |
|------------------------|------------|-------|-------|--------------------|--------------------|-----------------|-------------|-----------|--|-------------|
| Size | Nominal ID | Range | | Part Number | Part Number | Length (ft) | Spool Type* | lbs/Spool | Length (ft) | Spool Type* |
| | | Min | Max | | | | | | | |
| 24 | 0.022 | 0.020 | 0.027 | T117U01524XX | T117U03524XX | 500 | C | 0.5 | 1,000 | D |
| 22 | 0.027 | 0.024 | 0.032 | T117U01522XX | T117U03522XX | 500 | C | 0.5 | 1,000 | D |
| 20 | 0.034 | 0.032 | 0.039 | T117U01520XX | T117U03520XX | 500 | C | 0.5 | 1,000 | D |
| 18 | 0.042 | 0.040 | 0.049 | T117U01518XX | T117U03518XX | 500 | C | 0.5 | 1,000 | D |
| 16 | 0.053 | 0.051 | 0.061 | T117U01516XX | T117U03516XX | 500 | C | 0.5 | 1,000 | D |
| 15 | 0.059 | 0.057 | 0.067 | T117U01515XX | T117U03515XX | 500 | C | 0.5 | 1,000 | D |
| 14 | 0.066 | 0.064 | 0.074 | T117U01514XX | T117U03514XX | 500 | C | 0.5 | 1,000 | D |
| 13 | 0.076 | 0.072 | 0.082 | T117U01513XX | T117U03513XX | 250 | C | 0.5 | 1,000 | D |
| 12 | 0.085 | 0.081 | 0.091 | T117U01512XX | T117U03512XX | 250 | C | 0.5 | 1,000 | D |
| 11 | 0.095 | 0.091 | 0.101 | T117U01511XX | T117U03511XX | 250 | C | 0.5 | 1,000 | D |
| 10 | 0.106 | 0.102 | 0.112 | T117U01510XX | T117U03510XX | 250 | C | 0.5 | 1,000 | D |
| 9 | 0.118 | 0.114 | 0.124 | T117U0159XX | T117U0359XX | 250 | C | 0.5 | 1,000 | D |
| 8 | 0.133 | 0.129 | 0.141 | T117U0158XX | T117U0358XX | 250 | C | 0.5 | 500 | D |
| 7 | 0.148 | 0.144 | 0.158 | T117U0157XX | T117U0357XX | 250 | D | 1.0 | 500 | D |
| 6 | 0.166 | 0.162 | 0.178 | T117U0156XX | T117U0356XX | 250 | D | 1.0 | 500 | D |
| 5 | 0.186 | 0.182 | 0.198 | T117U0155XX | T117U0355XX | 250 | D | 1.0 | 500 | D |
| 4 | 0.208 | 0.204 | 0.224 | T117U0154XX | T117U0354XX | 250 | D | 1.0 | 500 | D |
| 3 | 0.234 | 0.229 | 0.249 | T117U0153XX | T117U0353XX | 250 | D | 1.0 | 250 | D |
| 2 | 0.263 | 0.258 | 0.278 | T117U0152XX | T117U0352XX | 250 | D | 1.0 | 250 | D |
| 1 | 0.294 | 0.289 | 0.311 | T117U0151XX | T117U0351XX | 100 | D | 1.0 | 250 | D |
| 0 | 0.330 | 0.325 | 0.347 | T117U0150XX | T117U0350XX | 100 | D | 1.0 | | |
| 3/8 | 0.387 | 0.375 | 0.399 | T117U0153/8XX | T117U0353/8XX | 100 | D | 1.0 | | |
| 7/16 | 0.450 | 0.438 | 0.462 | T117U0157/16XX | T117U0357/16XX | 100 | D | 1.0 | | |
| 1/2 | 0.512 | 0.500 | 0.524 | T117U0151/2XX | T117U0351/2XX | 100 | D | 1.0 | | |
| 5/8 | 0.640 | 0.625 | 0.655 | T117U0155/8XX | T117U0355/8XX | 100 | D | 1.0 | | |
| 3/4 | 0.768 | 0.750 | 0.786 | T117U0153/4XX | T117U0353/4XX | 100 | D | 1.0 | | |

COLOR CODES (XX)

| | |
|---------------------------------|----------------|
| STANDARD: | |
| Black (BK) | |
| White (WH) | |
| ADDITIONAL COLORS: | |
| Blue (BL) | Red (RD) |
| Brown (BN) | Red Oxide (RO) |
| Gray - Silver (GY) | Yellow (YE) |
| Green (GN) | |
| Orange (OR) | |
| Purple (PU) | |
| (Minimum order may be required) | |

*Spool Types

| *Type | Outside Diameter | Traverse (width) | Core Diameter | Spools / Box |
|-------|------------------|------------------|---------------|--------------|
| A | 8 1/2" | 3" | 3" | 1,2,4 |
| B | 10" | 4" | 3" | 1,2,5 |
| C | 12" | 4" | 3" | 1,2,3,5 |
| D | 16" | 5" | 6" | 1,2,3 |

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