

# HILEC TURBO<sup>®</sup> 117U

**THERMAL CLASS: 200°C**

## SILICONE RUBBER TUBING

### DESCRIPTION

**TURBO<sup>®</sup> 117U** is unsupported silicone rubber tubing produced from a custom formulated methyl-vinyl polysiloxane silicone rubber.

**TURBO<sup>®</sup> 117U** exhibits excellent electrical and mechanical properties and it retains its flexibility over a wide temperature range.

**TURBO<sup>®</sup> 117U** is easily dilated to fit over irregular shapes and will subsequently shrink to a close fit over the underlying component.

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

**TURBO<sup>®</sup> 117U** is available for both 300V and 600V systems.

### RECOMMENDED USE

**TURBO<sup>®</sup> 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<sup>®</sup> 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.



**300 VOLT GRADES**

**600 VOLT GRADES**

### COATING PROPERTIES

<b>Thermal Endurance:</b>	-70°C-200°C
<b>TURBO<sup>®</sup>117U-FR</b> (Available in Fire Retardant Version)	Meets requirements of VW-1 Testing

### BRAND NAMES

TURBO<sup>®</sup>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

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*Manufactures and Fabricators of Electrical Sleeving for Industry*

*The above data is informational only and should not be used for specification purposes.*

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### 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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