

**Ratings**

Voltage: 600 V  
 Temperature: -40~105 °C  
 Flammability: FT2

**Conductor**

Conductor count: 7  
 Gauge: 28 AWG 0.09 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size:  $\phi 0.127 \times 7$   
 Resistance at 20 °C: 250  $\Omega$  /km max

**Insulator**

Material: mPPE  
 Color: red, black, white, yellow, blue, green, orange  
 Diameter:  $\phi 0.9 \pm 0.08$  mm  
 Average thickness: 0.25 mm  
 Resistance at 20 °C: 100 M $\Omega$  /km min

**Wrap**

Material: cotton paper

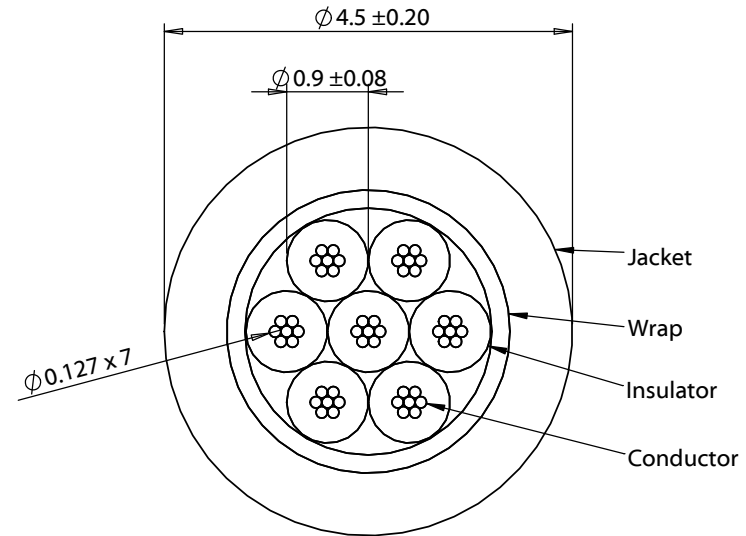
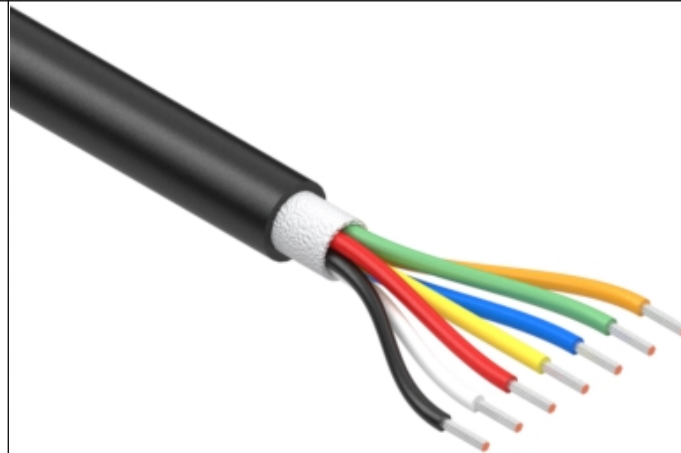
**Outer jacket**


Material: mPPE, 85A  
 Color: black  
 Diameter:  $\phi 4.5 \pm 0.20$  mm  
 Average thickness: 0.85 mm

**Wire marking:** E339579 UL AWM STYLE 21509 28 AWG 105°C  
 600V --- cUL AWM I A 105°C 600V FT2 TENSILITY

**Bend radius**

Minimum: 6 times diameter (27.0 mm)



Revision:	Date:	Description:	Prepared: AW <small>Digitally signed by AW Date: 2021.05.06 12:58:43 -07'00'</small>	Notes:	<b>TENSILITY</b> tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	5/5/2021	Initial release	Verified: JC <small>Digitally signed by JC Date: 2021.05.11 14:50:57 -07'00'</small>	RoHS compliant Phthalate and halogen free	
			Dimensions are in millimeters. Tolerances: X: $\pm 0.5$ mm X.X: $\pm 0.3$ mm X.XX: $\pm 0.05$ mm	Description: Wire, 7C TS, 28 AWG, 21509, 600V, 105C, 4.5 mm, FT2, mPPE	Size: A Part number: 30-02019
					Scale: 12:1  Sheet 1 of 1

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