

**Ratings**

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

**Conductor**

Conductor count: 7  
 Gauge: 32 AWG 0.04 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size:  $\phi$ 0.08 x 7  
 Resistance at 20 °C: 588  $\Omega$  /km max

**Insulator**

Material: mPPE  
 Color: red, black, white, yellow, blue, green, orange  
 Diameter:  $\phi$ 0.75  $\pm$ 0.08 mm  
 Average thickness: 0.24 mm  
 Resistance at 20 °C: 100 M $\Omega$  /km min

**Wrap**

Material: cotton paper

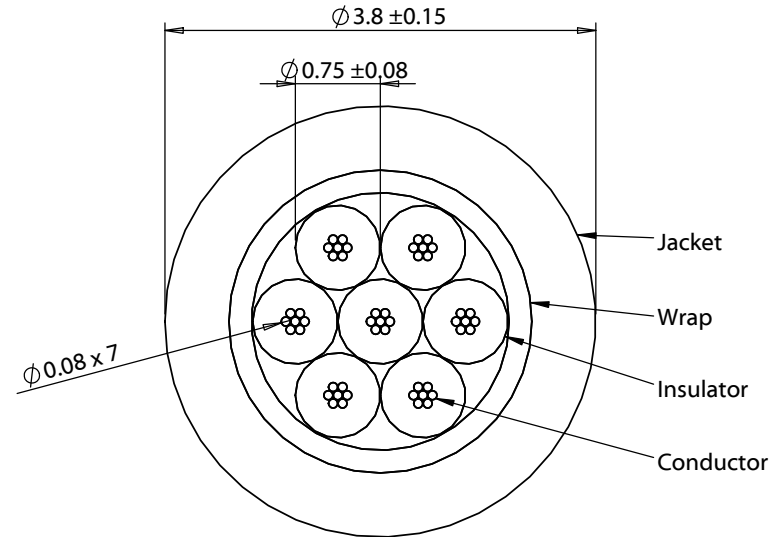
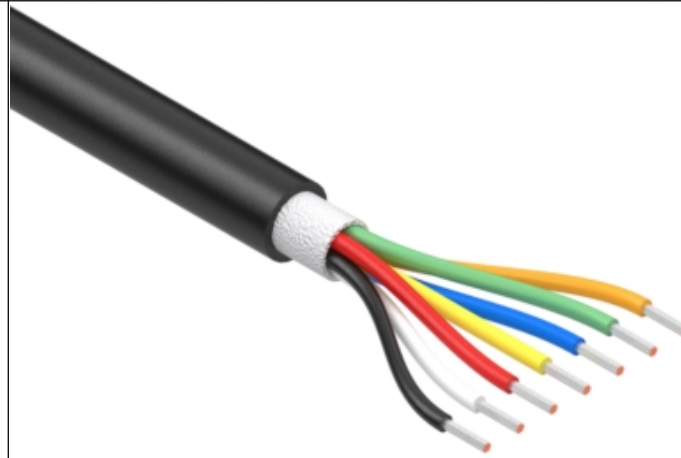
**Outer jacket**

Material: mPPE, 85A  
 Color: black  
 Diameter:  $\phi$ 3.8  $\pm$ 0.15 mm  
 Average thickness: 0.72 mm

**Wire marking:** E339579 UL AWM STYLE 21509 32 AWG 105°C  
 600V --- cUL AWM I A 105°C 600V FT2 TENSILITY

**Bend radius**

Minimum: 6 times diameter (22.8 mm)



Revision:	Date:	Description:	Prepared:	Notes:	<h1>TENSILITY</h1> tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	5/5/2021	Initial release	AW <small>Digitally signed by AW Date: 2021.05.06 12:59:41 -07'00'</small>		
			Verified:	Phthalate and halogen free	Size:
			JC <small>Digitally signed by JC Date: 2021.05.11 14:54:35 -07'00'</small>	Description:	A
			Dimensions are in millimeters.	Wire, 7C TS, 32 AWG, 21509, 600V, 105C, 3.8 mm, FT2, mPPE	Part number:
			Tolerances:		30-02021
			X: $\pm$ 0.5 mm		Scale: 15:1
			X.X: $\pm$ 0.3 mm		
			X.XX: $\pm$ 0.05 mm		Sheet 1 of 1

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