

**Ratings**

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

**Conductor**

Conductor count: 6  
 Gauge: 24 AWG 0.21 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size:  $\phi 0.08 \times 41$   
 Resistance at 20 °C: 94.2  $\Omega$  /km max

**Insulator**

Material: mPPE  
 Color: red, black, white, yellow, blue, green  
 Diameter:  $\phi 1.1 \pm 0.10$  mm  
 Average thickness: 0.24 mm  
 Resistance at 20 °C: 100 M $\Omega$  /km min

**Filler**

Material: cotton rope

**Wrap**

Material: cotton paper

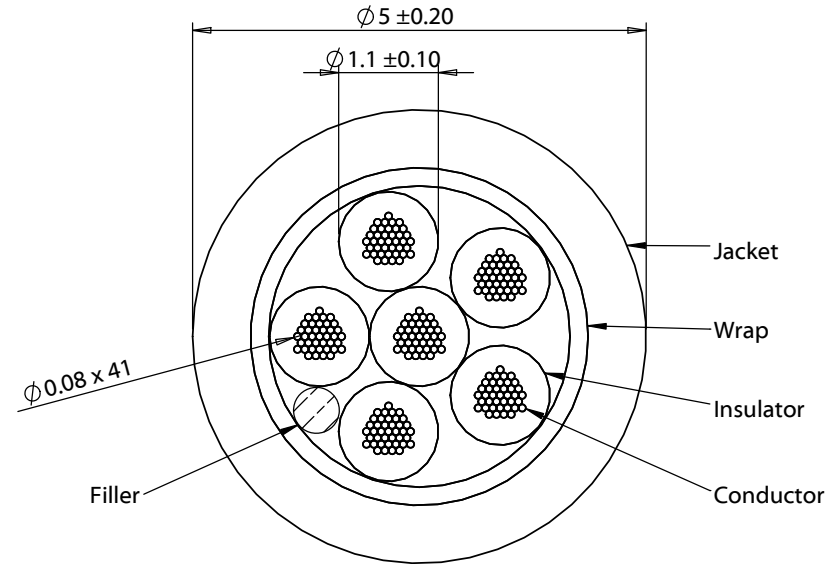
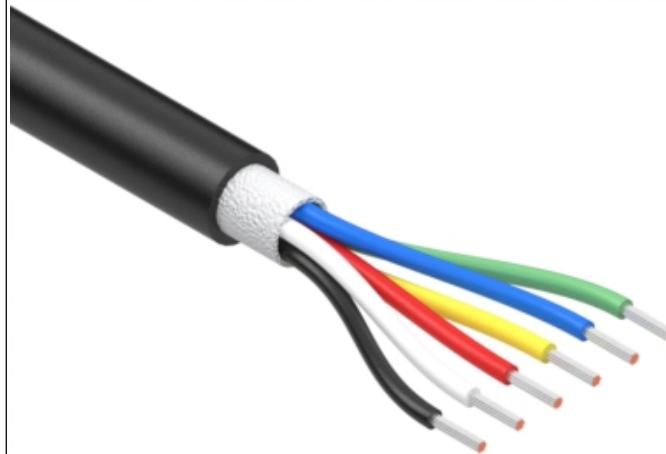
**Outer jacket**

Material: mPPE, 85A  
 Color: black  
 Diameter:  $\phi 5 \pm 0.20$  mm  
 Average thickness: 0.8 mm

**Wire marking:** E339579 UL AWM STYLE 21509 24 AWG 105°C  
 600V --- cUL AWM I A 105°C 600V FT2 TENSILITY

**Bend radius**

Minimum: 6 times diameter (30.0 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: 2021.05.19 11:01:53 -07'00'</small>		
			Verified:	Phthalate and halogen free	Size:
			JC <small>Digitally signed by JC Date: 2021.05.19 12:17:18 -07'00'</small>	Description:	A
			Dimensions are in millimeters.	Wire, 6C TS, 24 AWG, 21509, 600V, 105C, 5.0 mm, FT2, mPPE	Part number:
			Tolerances:		30-02009
			X: $\pm 0.5$ mm		Scale: 12:1
			X.X: $\pm 0.3$ mm		
			X.XX: $\pm 0.05$ mm		Sheet 1 of 1

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