

**Ratings**

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

**Conductor**

Conductor count: 8  
 Gauge: 28 AWG 0.08 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size:  $\phi 0.12 \times 7$   
 Resistance at 20 °C: 250  $\Omega$  /km max

**Insulator**

Material: mPPE  
 Color: red, black, white, yellow, blue, green, orange, purple  
 Diameter:  $\phi 0.9 \pm 0.08$  mm  
 Average thickness: 0.25 mm  
 Minimum thickness: 0.2 mm  
 Resistance at 20 °C: 100 M $\Omega$  /km min

**Shield**

Type: foil  
 Material: aluminum mylar  
 Coverage: 100%

**Filler**

Material: cotton rope

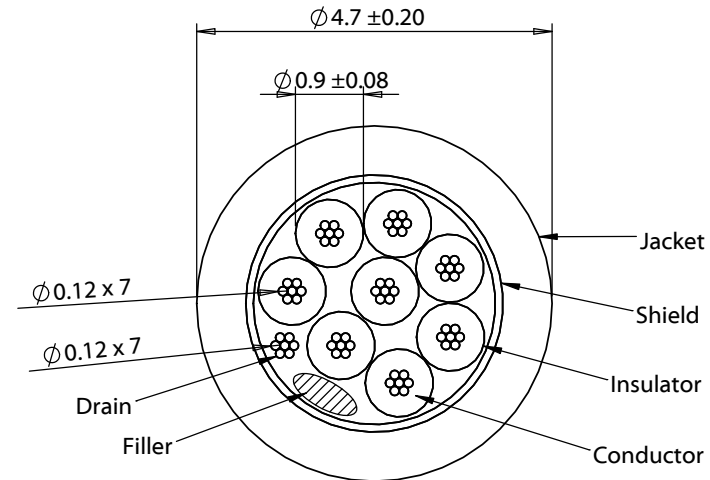
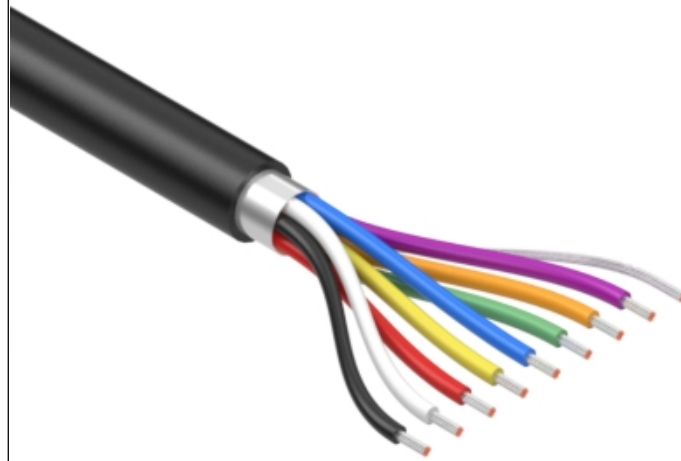
**Outer jacket**

Material: mPPE, 85A  
 Color: black  
 Diameter:  $\phi 4.7 \pm 0.20$  mm  
 Average thickness: 0.81 mm  
 Minimum thickness: 0.57 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 (28.2 mm)



Revision:	Date:	Description:
A	4/21/2020	Initial release

Prepared:  
**AW**  
Digitally signed by AW  
 Date: 2020.04.21  
 09:36:28 -07'00'

Verified:  
**JC**  
Digitally signed by JC  
 Date: 2020.04.22  
 09:34:50 -07'00'

Dimensions are in millimeters.  
 Tolerances:  
 X:  $\pm 0.5$  mm  
 X.X:  $\pm 0.3$  mm  
 X.XX:  $\pm 0.05$  mm

Notes:  
 RoHS compliant  
 Phthalate and halogen free

Description:  
 Wire, 8C TS, 28 AWG, 21509, 600V, 105C, 4.7 mm, shielded, FT2, mPPE

**TENSILITY**

tel 1.541.323.3228 800 877.670.7118  
 fax 1.541.323.4202 web tensility.com

Size:	Part number:
A	<b>30-01508</b>
Scale: 10:1	

Sheet 1 of 1