

**Ratings**

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

**Conductor**

Conductor count: 10  
 Gauge: 30 AWG 0.05 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size:  $\varnothing 0.1 \times 7$   
 Resistance at 20 °C: 381  $\Omega$  /km max

**Insulator**

Material: mPPE  
 Color: red, black, white, yellow, blue, green, orange, purple, gray, brown  
 Diameter:  $\varnothing 0.8 \pm 0.08$  mm  
 Average thickness: 0.23 mm  
 Resistance at 20 °C: 100 M $\Omega$  /km min

**Wrap**

Material: cotton paper

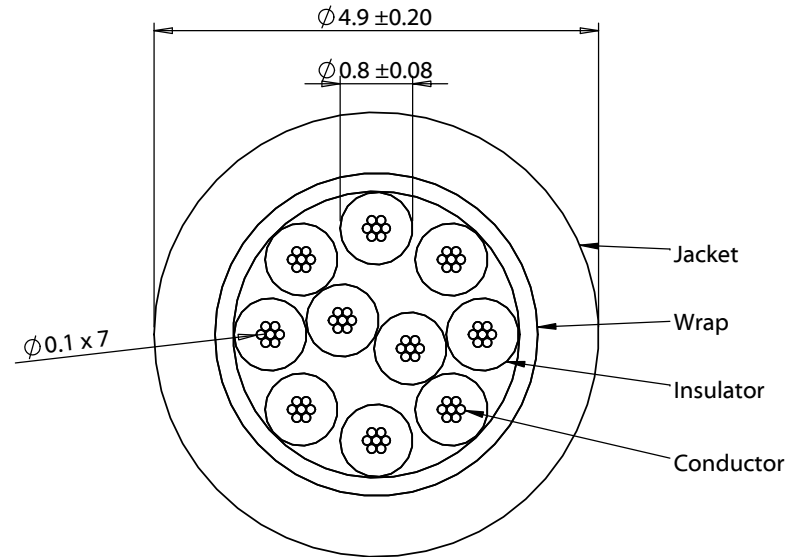
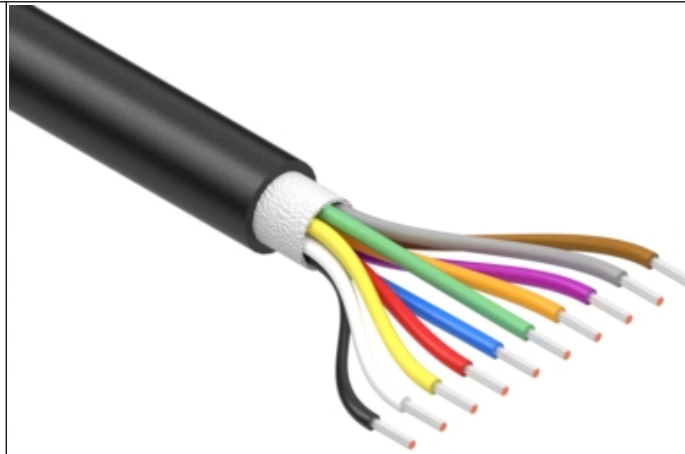
**Outer jacket**



Material: mPPE, 85A  
 Color: black  
 Diameter:  $\varnothing 4.9 \pm 0.20$  mm  
 Average thickness: 0.8 mm

**Wire marking:** E339579 UL AWM STYLE 21509 30 AWG 105°C 600V --- cUL AWM I A 105°C 600V FT2 TENSILITY

**Bend radius**

Minimum: 6 times diameter (29.4 mm)



|           |          |                 |  |  |   |
|-----------|----------|-----------------|--|--|---|
| Revision: | Date:    | Description:    | Prepared:  | Notes:<br>RoHS compliant<br>Phthalate and halogen free     | <h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118<br/>         fax 1.541.323.4202 web tensility.com</p>   |
| A         | 5/4/2021 | Initial release | Verified:  |  |   |
|           |          |                 | Dimensions are in millimeters.<br>Tolerances:<br>X: $\pm 0.5$ mm<br>X.X: $\pm 0.3$ mm<br>X.XX: $\pm 0.05$ mm | Description:   | Size: Part number:  |
|           |          |                 |  | Wire, 10C TS, 30 AWG, 21509, 600V, 105C, 4.9 mm, FT2, mPPE | A 30-02044  |
|           |          |                 |  | Scale: 12:1  |   |

5

4

3

2

1