

**Ratings**

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

**Conductor**

Conductor count: 5  
 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  
 Diameter:  $\varnothing 0.8 \pm 0.08$  mm  
 Average thickness: 0.23 mm  
 Resistance at 20 °C: 100 M $\Omega$  /km min

**Filler**

Material: cotton rope

**Wrap**

Material: cotton paper

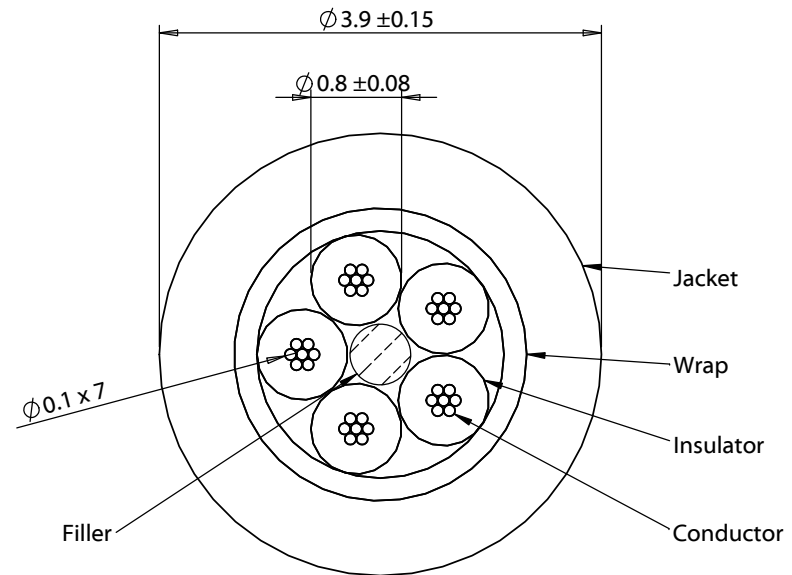
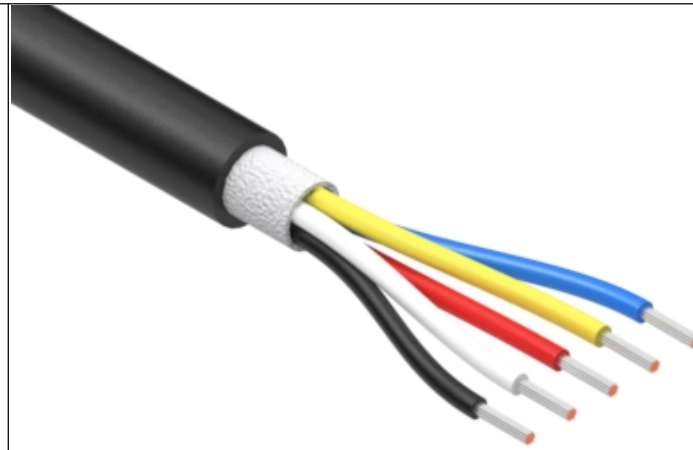
**Outer jacket**



Material: mPPE, 85A  
 Color: black  
 Diameter:  $\varnothing 3.9 \pm 0.15$  mm  
 Average thickness: 0.82 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 (23.4 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         | 5/5/2021 | 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:<br>Wire, 5C TS, 30 AWG, 21509, 600V, 105C, 3.9 mm, FT2, mPPE | Size: A   | Part number:<br>30-02004 |
|           |          |                 |  | Scale: 15:1   |   | Sheet 1 of 1             |

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