

**Ratings**

Voltage: 300 V  
 Temperature: -40~105 °C  
 Flammability: VW-1

**Conductor**

Conductor count: 7  
 Gauge: 32 AWG 0.04 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size:  $\phi 0.08 \times 7$   
 Resistance at 20 °C: 590  $\Omega$  /km max

**Insulator**

Material: FEP  
 Color: red, black, white, yellow, blue, green, orange  
 Diameter:  $\phi 0.55 \pm 0.10$   
 Nominal thickness: 0.13 mm  
 Resistance at 20 °C: 10 M $\Omega$  /km min

**Filler**

Material: aramid fiber

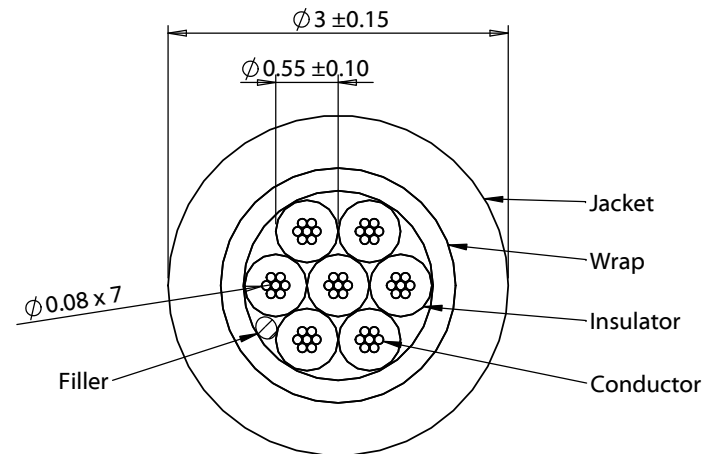
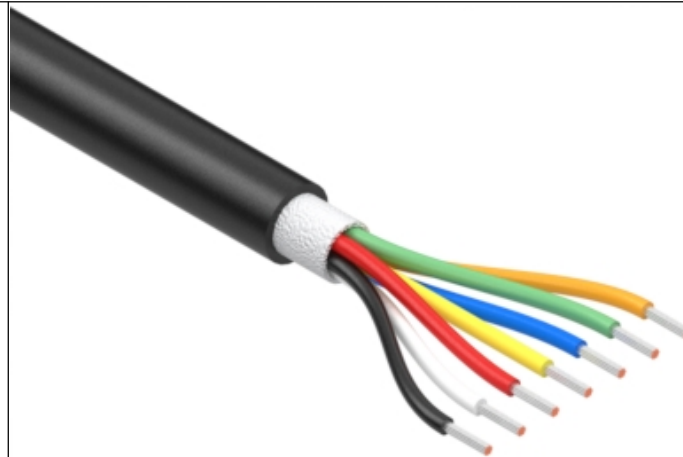
**Wrap**

Material: cotton paper

**Outer jacket**

Material: TPE  
 Color: black  
 Diameter:  $\phi 3 \pm 0.15$   
 Nominal thickness: 0.6 mm

**Wire marking:** E339579 UL AWM STYLE 21296 32 AWG 105°C  
 300V VW-1 --- cUL AWM I A 105°C 300V FT1 TENSILITY DGT



|           |           |                 |  |   |   |
|-----------|-----------|-----------------|--|---|---|
| Revision: | Date:     | Description:    | Prepared:  | Notes:<br>RoHS compliant<br>Phthalate free<br>Function test: no open, no short circuit, no intermittent | <b>TENSILITY</b><br>tel 1.541.323.3228 800 877.670.7118<br>fax 1.541.323.4202 web tensility.com |
| A         | 4/28/2021 | Initial release | Verified:  |   |   |
|           |           |                 | Dimensions are in millimeters.<br>Tolerances:<br>X: ± 0.5 mm<br>X.X: ± 0.3 mm<br>X.XX: ± 0.05 mm | Description:  | Size: Part number:  |
|           |           |                 |  | Wire, 7C TS, 32 AWG, UL 21296, 300V, 105C, 3.0 mm, TPE  | A 30-01947  |
|           |           |                 |  | Scale: 15:1   | Sheet 1 of 1  |

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