

**Ratings**

Temperature: -40 ~ 70 °C  
Voltage: 150 V

**Conductor**

Gauge: 30 AWG 0.05 mm<sup>2</sup>  
Material: tinned copper strands  
Strand size:  $\varnothing 0.05 \times 25$   
Resistance at 20 °C: 385  $\Omega$  /km max

**Insulator**

Material: HDPE  
Color: orange, green, blue, yellow, white, black, red  
Diameter:  $\varnothing 0.65 \pm 0.10$  mm  
Nominal thickness: 0.15 mm  
Resistance at 20 °C: 1000 M $\Omega$  /km min

**Shield**

Type: spiral  
Material: tinned copper strands  
Stranding:  $\varnothing 0.08$  mm  
Coverage: 90% min

**Outer jacket**

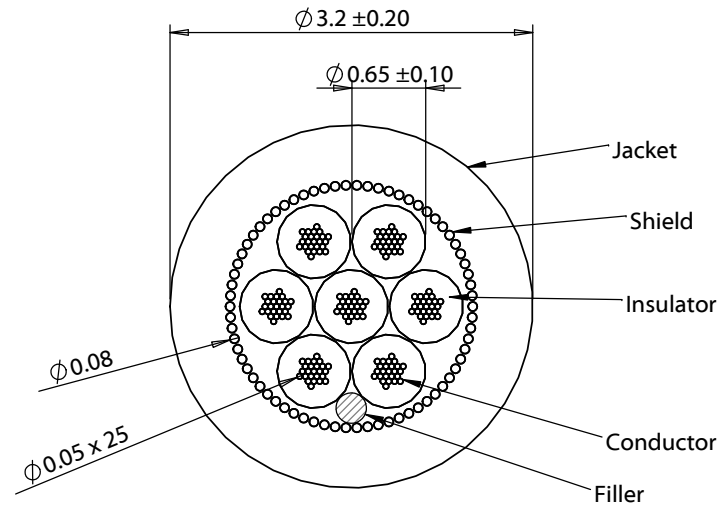
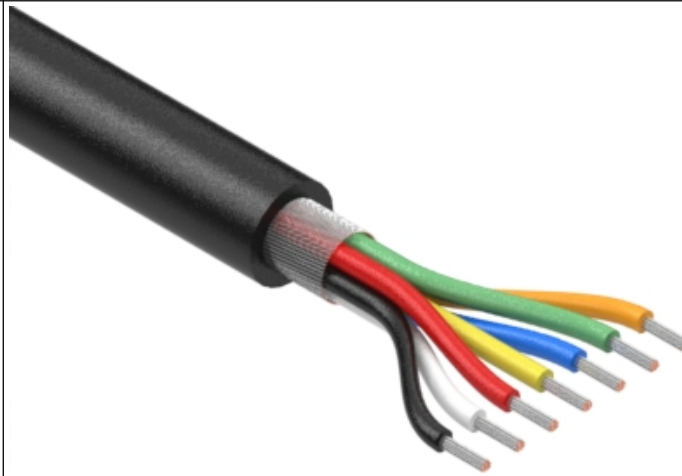
Material: TPU  
Color: black  
Nominal thickness: 0.50 mm  
Diameter:  $\varnothing 3.2 \pm 0.20$  mm

**Filler:**

Material: aramid fiber

**Tests**

Tensile strength: 25.5 kgf  
Dielectric test: 1500 V dc for 1 minute without breakdown  
Bend test at 200 g,  $\pm 90^\circ$ , 30 cycles /min: 10,000 cycle minimum



|           |            |   |  |  |  |              |
|-----------|------------|---|--|--|--|--------------|
| Revision: | Date:      | Description:                            | Prepared:  | Notes:<br>RoHS compliant<br>Jacket meets ISO 10993 Biological Compatibility<br>Phthalate and halogen free<br>Function test: no open, no short, no intermittent | <h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118<br/>fax 1.541.323.4202 web tensility.com</p> |              |
| A         | 10/10/2018 | Initial release                         | Verified:  |  |  |              |
| A1        | 1/18/2019  | Changed filler material to generic name | 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, 7C TS, 30 AWG, 150V, 70C, 3.2 mm, shielded, TPU, 75A, WBL  | A  | 30-01159     |
|           |            |   |  |  | Scale: 15:1  |              |

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