

**Ratings**

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

**Conductor**

Conductor count: 8  
Gauge: 30 AWG 0.05 mm<sup>2</sup>  
Material: Tinned copper strands  
Strand size:  $\phi 0.05 \times 25$   
Resistance at 20 °C: 385  $\Omega$  /km Max

**Insulator**

Material: HDPE  
Color: red, black, white, yellow, blue, green, orange, purple  
Diameter:  $\phi 0.65 \pm 0.10$  mm  
Nominal thickness: 0.18 mm  
Resistance at 20 °C: 100 M $\Omega$  /km Min

**Wrap**

Material: cotton paper

**Filler**

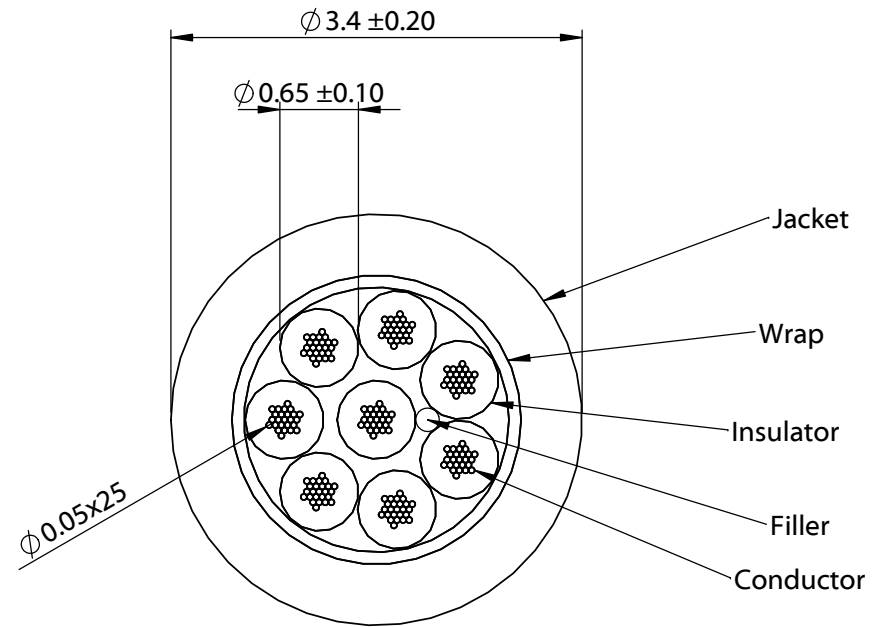
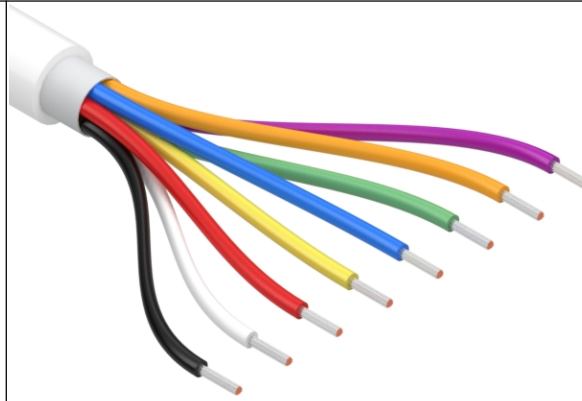
Material: aramid fiber

**Outer jacket**

Material: TPU  
Color: white  
Diameter:  $\phi 3.4 \pm 0.20$  mm  
Nominal thickness: 0.5 mm

**Tests**

Tensile strength: 15 kgf min  
Dielectric test: 1500 V dc for 1 minute without breakdown  
Bend test at 200 g,  $\pm 60^\circ$ , 30 cycles /min: 15,000 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 | <b>TENSILITY</b><br>tel 1.541.323.3228 800 877.670.7118<br>fax 1.541.323.4202 web tensility.com |                                 |              |
| A         | 9/12/2022 | 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, 8C TS, 30 AWG, 150V, 70C, 3.4 mm, TPU, 75A, white, WBL                                                                                   | Size:<br>A                                                                                      | Part number:<br><b>30-02828</b> |              |
|           |           |                 |                                                                                                              |                                                                                                                                                                | Scale: 16:1                                                                                     |                                 | Sheet 1 of 1 |
|           |           |                 |                                                                                                              |                                                                                                                                                                |                                                                                                 |                                 |              |