

**Ratings**

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

**Conductor**

Conductor count: 7  
Gauge: 18 AWG 0.82 mm<sup>2</sup>  
Material: tinned copper strands  
Strand size:  $\varnothing 0.127 \times 65$   
Resistance at 20 °C: 23.2 $\Omega$  /km max

**Insulator**

Material: HDPE  
Color: white, black, red, yellow, blue, green, orange  
Diameter:  $\varnothing 1.65 \pm 0.10$  mm  
Nominal thickness: 0.21 mm  
Resistance at 20 °C: 100 M $\Omega$  /km min

**Wrap**

Material: cotton paper

**Filler**

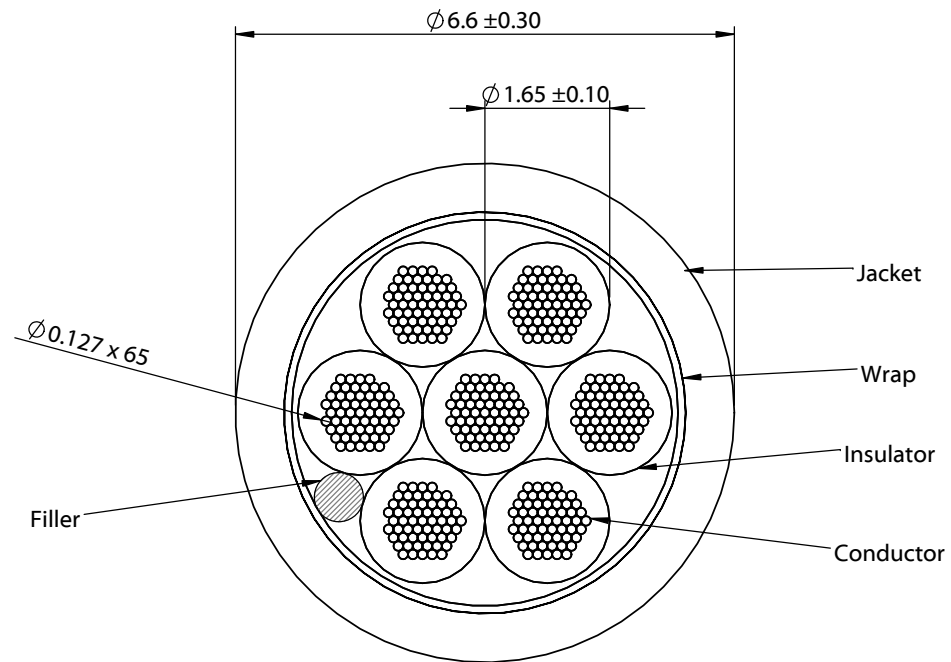
Material: aramid fiber

**Outer jacket**

Material: TPU  
Color: black  
Diameter:  $\varnothing 6.6 \pm 0.30$  mm  
Nominal thickness: 0.70 mm

**Tests**

Tensile strength: 26 kgf  
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><br>RoHS compliant<br>Jacket meets ISO 10993 Biological Compatibility<br>Phthalate and halogen free<br>Function test: no open, no short, no intermittent | <div>TENSILITY</div> <div>tel 1.541.323.3228 800 877.670.7118</div> <div>fax 1.541.323.4202 web tensility.com</div> |              |              |
| A         | 8/23/2022 | 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, 7C TS, 18 AWG, 150V, 70C, 6.6 mm, TPU, 75A, WBL                                                                                              | Size:                                                                                                               | Part number: |              |
|           |           |                 |                                                                                                              |                                                                                                                                                                    | A                                                                                                                   | 30-02670     |              |
|           |           |                 |                                                                                                              |                                                                                                                                                                    | Scale: 10:1                                                                                                         |              | Sheet 1 of 1 |

5

4

3

2

1