

**Ratings**

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

**Conductor**

Conductor count: 10  
 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: red, black, white, yellow, blue, green, orange, purple, gray, brown  
 Diameter:  $\varnothing 0.65 \pm 0.10$  mm  
 Nominal thickness: 0.18 mm  
 Resistance at 20 °C: 100 M $\Omega$  /km Min

**Wrap**

Material: cotton paper

**Filler**

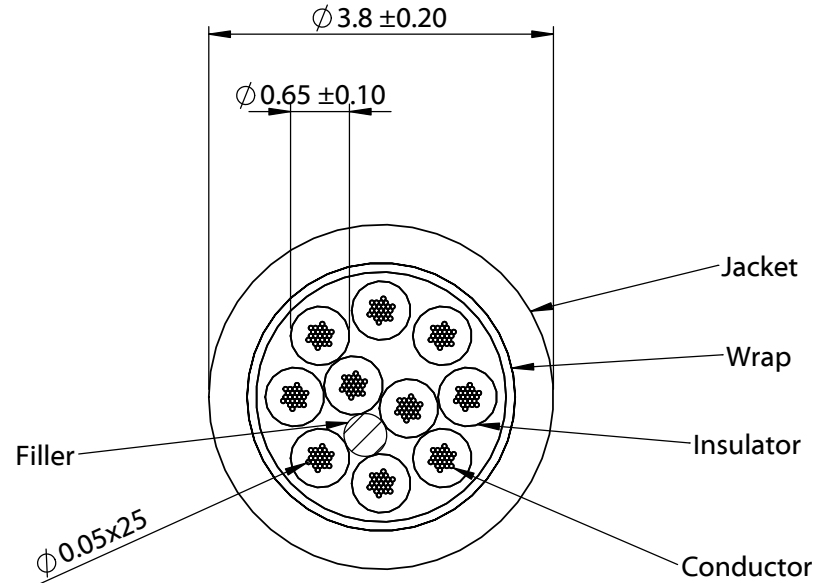
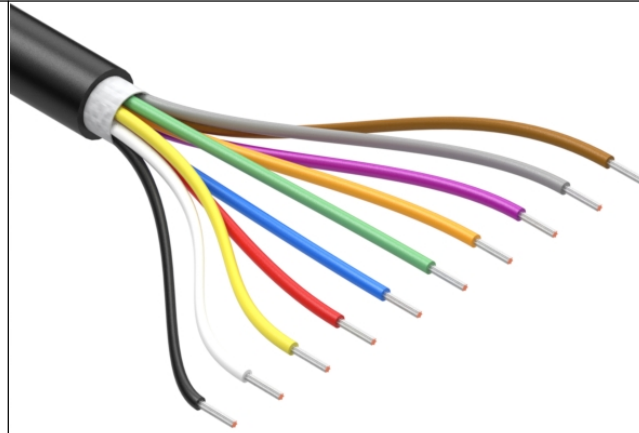
Material: aramid fiber

**Outer jacket**

Material: TPU  
 Color: black  
 Diameter:  $\varnothing 3.8 \pm 0.20$  mm  
 Nominal thickness: 0.50 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:
A	7/9/2022	Initial release

Prepared: **MP**  
Digitally signed by MP  
 Date: 2022.09.15 14:45:06 +0700

Verified: **PB**  
Digitally signed by PB  
 Date: 2022.09.20 08:22:11 +0700

Dimensions are in millimeters.  
 Tolerances:  
 X:  $\pm 0.5$  mm  
 X.X:  $\pm 0.3$  mm  
 X.XX:  $\pm 0.05$  mm

Notes:  
 RoHS compliant  
 Jacket meets ISO 10993 Biological Compatibility  
 Phthalate and halogen free  
 Function test: no open, no short, no intermittent

Description:  
 Wire, 10C TS, 30 AWG, 150V, 70C, 3.8 mm, TPU, 75A, WBL

**TENSILITY**  
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Size: A Part number: 30-02700

Scale: 12:1 Sheet 1 of 1