

**Ratings**

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

**Conductor**

Conductor count: 8  
Gauge: 28 AWG 0.08 mm<sup>2</sup>  
Material: Tinned copper strands  
Strand size:  $\varnothing 0.05 \times 40$   
Resistance at 20 °C: 240  $\Omega$  /km Max

**Insulator**

Material: HDPE  
Color: red, black, white, yellow, blue, green, orange, purple  
Diameter:  $\varnothing 0.7 \pm 0.10$  mm  
Nominal thickness: 0.16 mm  
Resistance at 20 °C: 100 M $\Omega$  /km Min

**Wrap**

Material: cotton paper

**Filler**

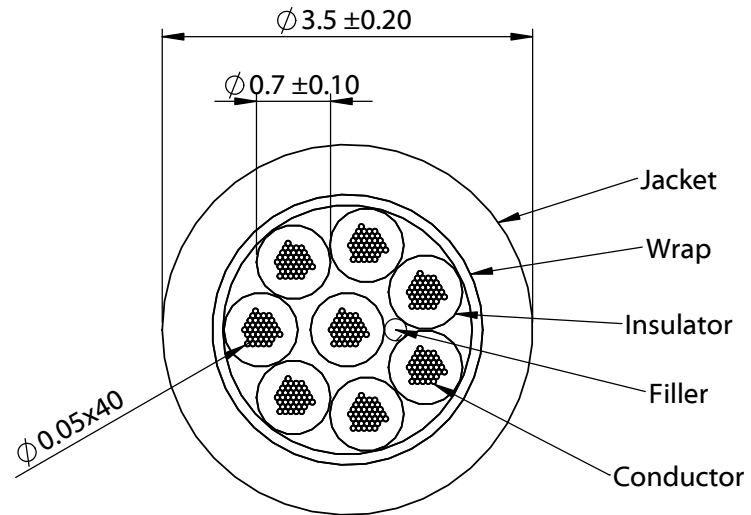
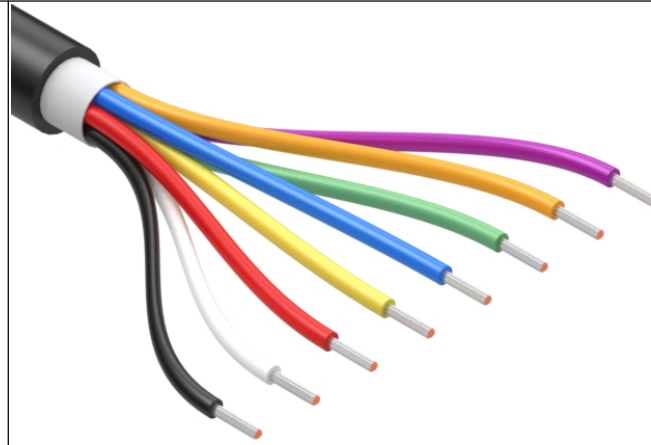
Material: aramid fiber

**Outer jacket**

Material: TPU  
Color: black  
Diameter:  $\varnothing 3.5 \pm 0.20$  mm  
Nominal thickness: 0.5 mm

**Tests**

Tensile strength: 26 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	9/6/2022	Initial release

Prepared: **MP** Digitally signed by MP  
Date: 2022.09.23  
11:00:29  
-07'00'

Verified: **PB** Digitally signed by PB  
Date: 2022.09.23  
14:04:11  
-07'00'

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, 8C TS, 28 AWG, 150V, 70C, 3.5 mm, TPU, 75A, WBL

# TENSILITY

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Size: A Part number: 30-02683

Scale: 14:1 Sheet 1 of 1