

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

**Conductor**  
 Conductor count: 3  
 Gauge: 20 AWG 0.51 mm<sup>2</sup>  
 Material: Tinned copper strands  
 Strand size:  $\phi 0.1 \times 65$   
 Resistance at 20 °C: 36.7  $\Omega$  /km max

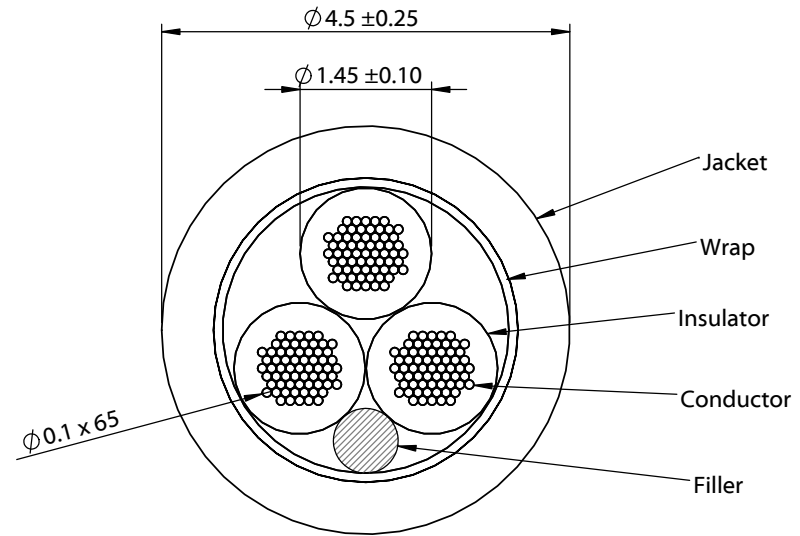
**Insulator**  
 Material: HDPE  
 Color: white, black, red  
 Diameter:  $\phi 1.45 \pm 0.10$  mm  
 Nominal thickness: 0.24 mm  
 Resistance at 20 °C: 100 M $\Omega$  /km min

**Wrap**  
 Material: cotton paper

**Filler**  
 Material: aramid fiber

**Outer jacket**  
 Material: TPU  
 Color: black  
 Diameter:  $\phi 4.5 \pm 0.25$  mm  
 Nominal thickness: 0.60 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	8/23/2022	Initial release

Prepared:
Verified:
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, 3C TS, 20 AWG, 150V, 70C, 4.5 mm, TPU, 75A, WBL

**TENSILITY**

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Size: A	Part number: 30-02639
Scale: 12:1	Sheet 1 of 1