

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

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

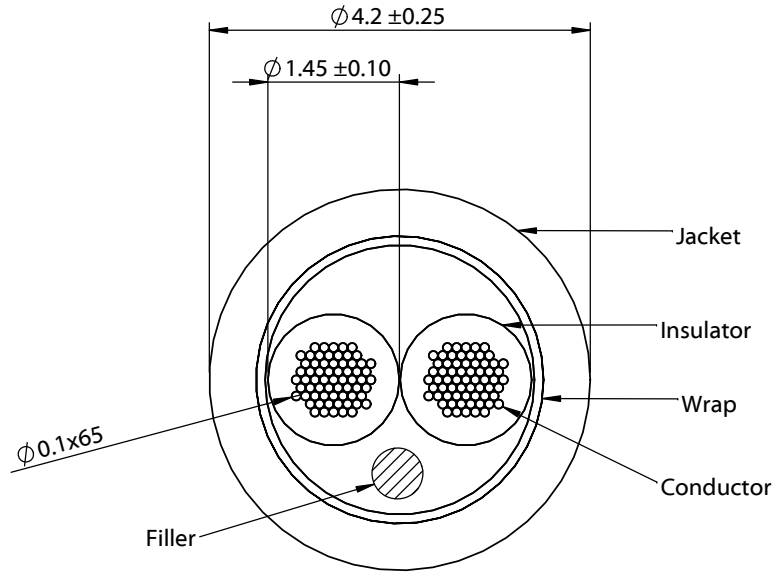
**Insulator**  
Material: HDPE  
Color: white, black  
Diameter:  $\varnothing 1.45 \pm 0.10$  mm  
Nominal thickness: 0.24 mm  
Resistance at 20 °C: 100 M $\Omega$  /km min

**Wrap:**  
Material: cotton paper

**Filler**  
Material: aramid fiber

**Outer jacket**  
Material: TPU  
Color: black  
Diameter:  $\varnothing 4.2 \pm 0.25$  mm  
Nominal thickness: 0.6 mm

**Tests**  
Tensile strength: 26 kgf min  
Dielectric test: 1500 V dc for 1 minute without breakdown  
Bend test at 200g,  $\pm 60^\circ$ , 30 cycles/min: 15,000 cycle minimum



Revision:	Date:	Description:
A	08/30/2022	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, 2C TS, 20 AWG, 150V, 70C, 4.2 mm, TPU, 75A, WBL

**TENSILITY**

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Size:	Part number:
A	30-02631
Scale: 12:1	Sheet 1 of 1

To see a custom version of this cable assembly, call Tensility at 541-323-3228 or email engineering@tensility.com