

**Ratings**

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

**Conductor**

Gauge: 18 AWG 0.82 mm<sup>2</sup>  
Material: tinned copper strands  
Strand size:  $\phi$ 0.127 x65  
Resistance at 20 °C: 23.2  $\Omega$  /km max

**Insulator**

Material: HDPE  
Color: white, black  
Diameter:  $\phi$  1.65 ±0.10 mm  
Nominal thickness: 0.23 mm  
Resistance at 20 °C: 100 M $\Omega$  /km min

**Shield**

Type: spiral  
Material: tinned copper strands  
Stranding:  $\phi$ 0.08 mm  
Coverage: 90 % min

**Outer jacket**

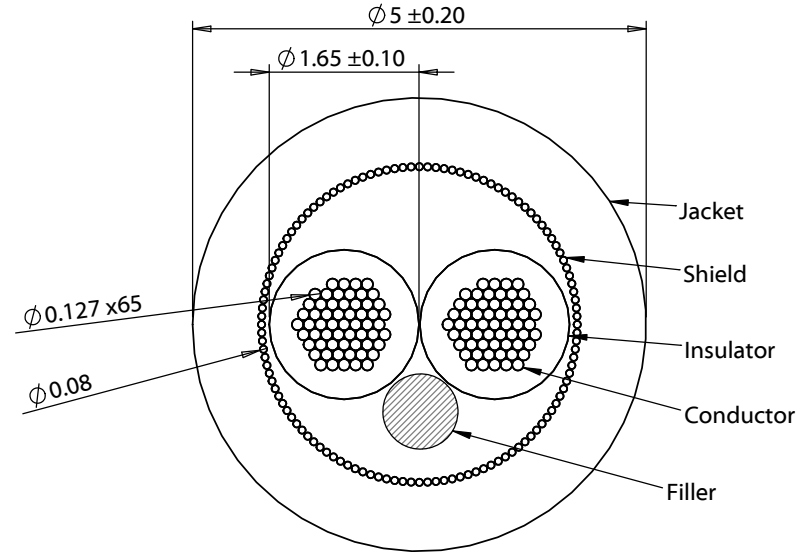
Material: TPU  
Color: black  
Nominal thickness: 0.75 mm  
Diameter:  $\phi$ 5 ±0.20 mm

**Filler**

Material: aramid fiber

**Tests**

Tensile strength: 35.7 kgf min  
Dielectric test: 1500 V dc for 1 minute without breakdown  
Bend test at 200 g, ±90 °, 30 cycles /min: 15,000 cycle minimum



Revision:	Date:	Description:
A	3/24/2021	Initial release

Prepared:	Digitally signed by AW Date: 2021.03.24 13:24:37 -07'00'
Verified:	Digitally signed by AG Date: 2021.04.02 11:26:39 -07'00'
Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 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, 18 AWG, 150V, 70C, 5.0 mm, shielded, TPU, 75A, WBL

**TENSILITY**

tel 1.541.323.3228 800 877.670.7118  
fax 1.541.323.4202 web tensility.com

Size:	Part number:
A	<b>30-01858</b>
Scale: 12:1	Sheet 1 of 1