

Ratings

Voltage: 150 V
Temperature: -40~70 °C

Conductor

Conductor count: 4
Gauge: 18 AWG 0.82 mm²
Material: tinned copper strands
Strand size: $\phi 0.127 \times 65$
Resistance at 20 °C: 23.2 Ω /km max

Insulator

Material: HDPE
Color: white, black, red, yellow
Diameter: $\phi 1.65 \pm 0.10$ mm
Nominal thickness: 0.21 mm
Resistance at 20 °C: 100 M Ω /km min

Wrap

Material: cotton paper

Filler

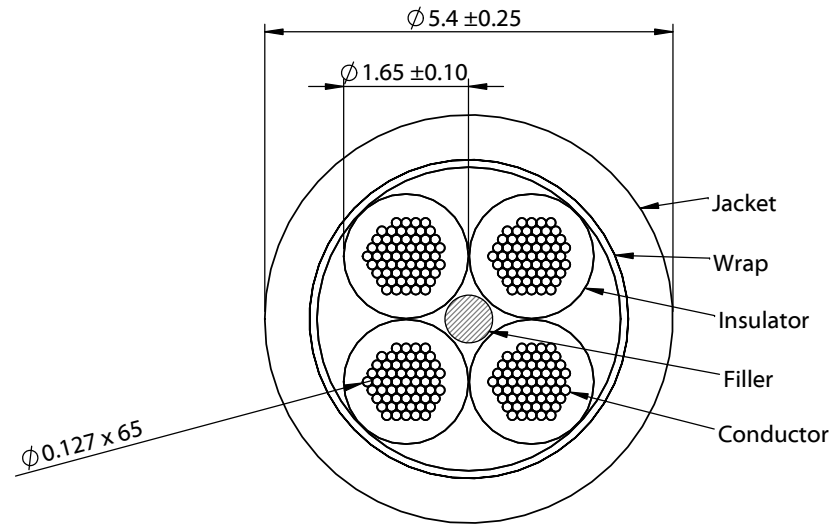
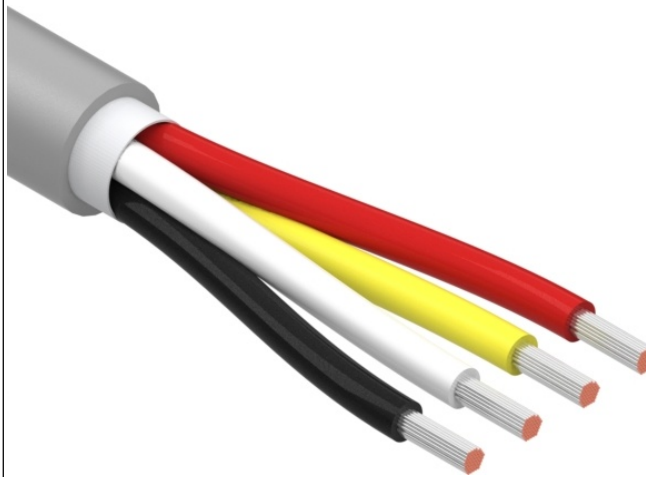
Material: aramid fiber

Outer jacket

Material: TPU
Color: gray
Diameter: $\phi 5.4 \pm 0.25$ 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:	Prepared:	Notes: RoHS compliant Jacket meets ISO 10993 Biological Compatibility Phthalate and halogen free Function test: no open, no short, no intermittent	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	8/23/2022	Initial release	Verified:				
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description:	Size:	Part number:	
				Wire, 4C TS, 18 AWG, 150V, 70C, 5.4 mm, TPU, 75A, gray, WBL	A	30-02718	
					Scale: 10:1		Sheet 1 of 1

5

4

3

2

1