

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

Conductor
Conductor count: 5
Gauge: 28 AWG 0.08 mm²
Material: Tinned copper strands
Strand size: $\phi 0.05 \times 40$
Resistance at 20 °C: 240 Ω /km max

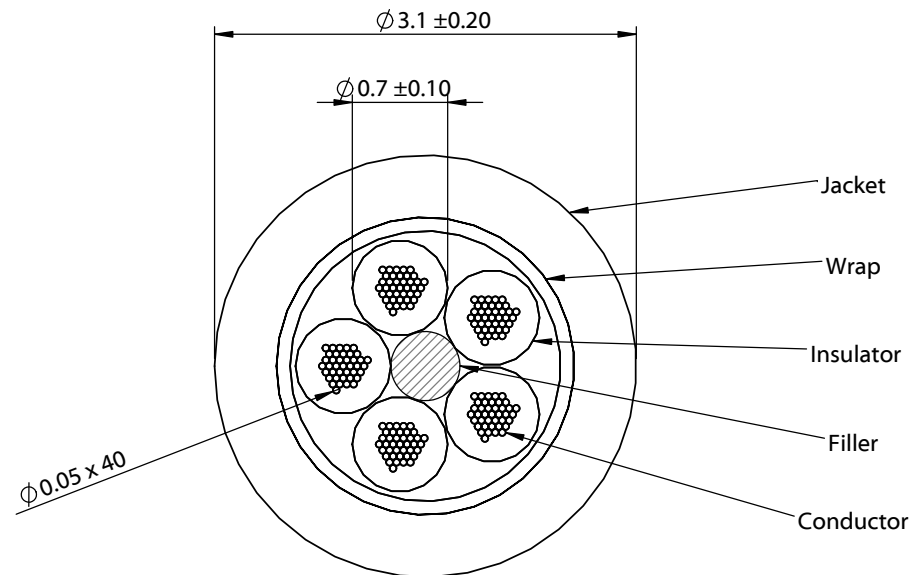
Insulator
Material: HDPE
Color: white, black, red, yellow, blue
Diameter: $\phi 0.7 \pm 0.10$ mm
Nominal thickness: 0.16 mm
Resistance at 20 °C: 100 M Ω /km min

Wrap
Material: cotton paper

Filler
Material: aramid fiber

Outer jacket
Material: TPU
Color: black
Diameter: $\phi 3.1 \pm 0.20$ mm
Nominal thickness: 0.50 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	9/5/2022	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, 5C TS, 28 AWG, 150V, 70C, 3.1 mm, TPU, 75A, WBL	A	30-02659	
					Scale:	18:1	Sheet 1 of 1