

Ratings

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

Conductor

Gauge: 32 AWG, 0.039 mm²
Material: tinned copper strands
Stranding: $\phi 0.05 \times 19$
Resistance at 20 °C: 590 Ω /km

Insulator

Material: FEP
Color: red, black, white, green
Outer diameter: $\phi 0.4 \pm 0.05$ mm
Nominal thickness: 0.07 mm
Resistance at 20 °C: 10 M Ω /km

Shield

Type: spiral
Material: tinned copper strands
Strand size: $\phi 0.05$ mm
Coverage: 90 % minimum

Outer jacket

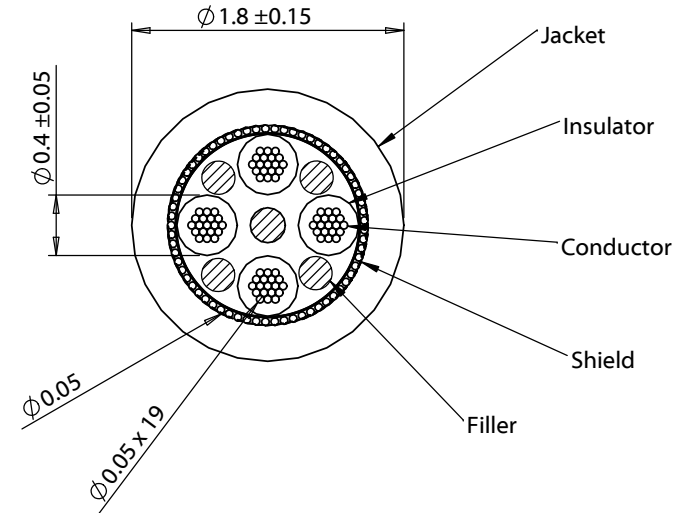
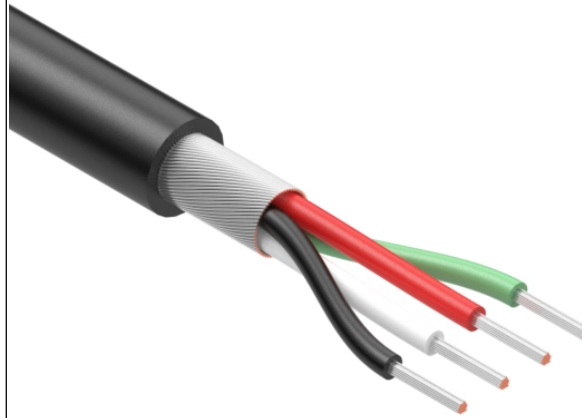
Material: TPU, 70 °C
Color: black
Nominal thickness: 0.35 mm
Diameter: $\phi 1.8 \pm 0.15$ mm

Filler

Material: aramid fiber

Tests

Dielectric test: 1500 V dc for 1 minute without breakdown
Spark test: 1500 V (insulator); 3000 V (jacket)



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	06/04/2025	First Release	Verified:	RoHS compliant Jacket meets ISO 10993 Biological Compatibility Phthalate free			
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description: Wire, 4C TS, 32 AWG, 150V, 70C, 1.8 mm, spiral shield, TPU, WBL	Size: A	Part number: 30-03650	
					Scale: 1:2		Sheet 1 of 1

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