

Ratings

Temperature: -40 ~ 70 °C

Conductor

Gauge: 28 AWG, 0.081 mm²

Material: tinned copper strands

Stranding: $\phi 0.05 \times 40$

Resistance at 20 °C: 240 Ω /km

Insulator

Material: HDPE

Color: black, white, green, red

Outer diameter: $\phi 0.7 \pm 0.10$ mm

Nominal thickness: 0.15 mm

Resistance at 20 °C: 100 M Ω /km

Shield

Type: spiral

Material: tinned copper strands

Strand size: $\phi 0.08$ mm

Coverage: 90 % minimum

Outer jacket

Material: TPU, 70 °C

Color: black

Nominal thickness: 0.50 mm

Diameter: $\phi 2.8 \pm 0.15$ mm

Filler

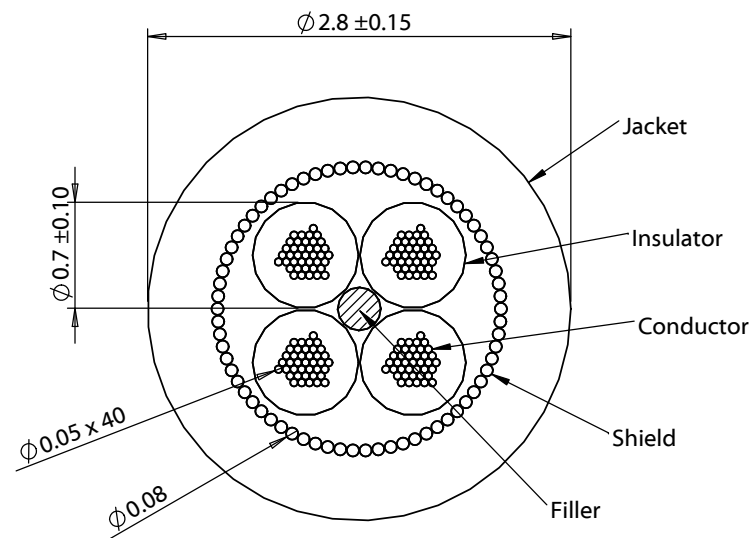
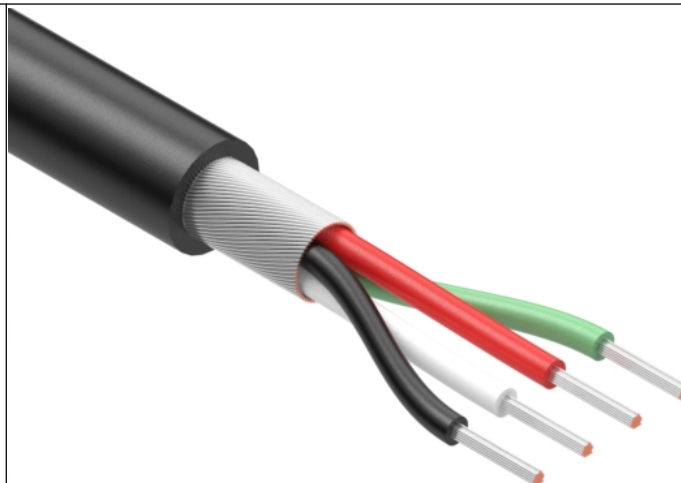
Material: aramid fiber

Tests

Tensile strength: 35.7 kgf

Dielectric test: 1500 V dc for 1 minute without breakdown

Bend test at 200 g, $\pm 90^\circ$, 30 cycles /min: 15,000 cycle minimum



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	10/31/2023	Initial release	Verified:	RoHS compliant Function test: no open, no short circuit, no intermittent			
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description: Wire, 4C TS, 28 AWG, 150V, 70C, 2.8 mm, spiral shield, TPU, WBL	Size: A	Part number: 30-03410	Sheet 1 of 1
					Scale: 1:2		

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