

Ratings

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

Conductor

Conductor count: 3
 Gauge: 28 AWG 0.08 mm²
 Material: tinned copper strands
 Strand size: Ø 0.05 mm x 40
 Resistance at 20 °C: 240 Ω /km max

Insulator

Material: HDPE
 Color: white, black, red
 Diameter: Ø 0.7 ± 0.10 mm
 Nominal thickness: 0.15 mm
 Resistance at 20 °C: 100 MΩ /km min

Shield

Type: aluminum mylar + tinned copper spiral
 Coverage: 85% min spiral, 100% foil
 Stranding: Ø 0.08 mm x 52

Outer jacket

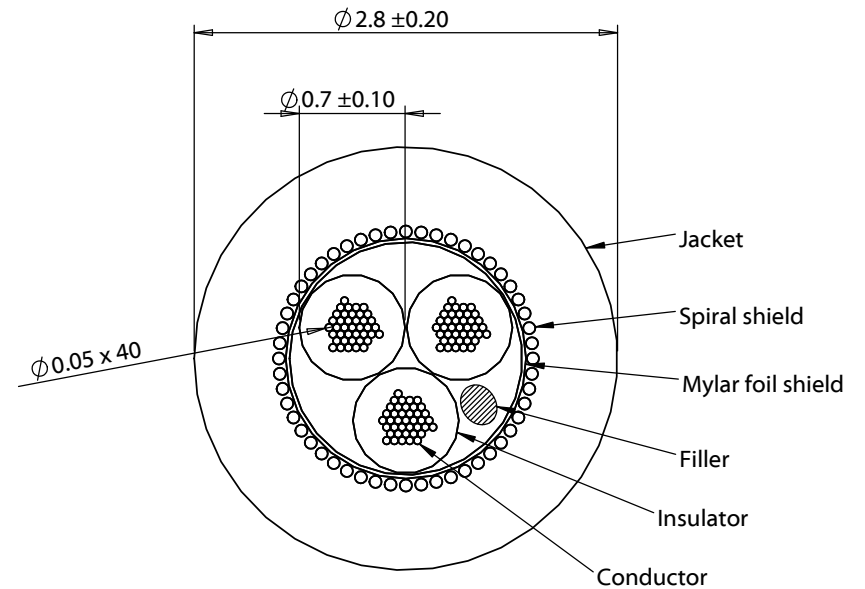
Material: TPU
 Color: black
 Diameter: Ø 2.8 ± 0.20 mm
 Nominal thickness: 0.45 mm

Filler:

Material: aramid fiber

Tests

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



Revision:	Date:	Description:	Prepared:	Notes: RoHS compliant Jacket meets ISO 10993 for biological compatibility Phthalate and halogen free	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	1/11/21	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, 3C TS, 28 AWG, 150V, 70C, 2.8 mm, shielded, TPU, WBL	A 30-01638
				Scale: 20:1	Sheet 1 of 1

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