

Ratings

Voltage: 150 V
Temperature: -40 ~ 70 °C
Impedance: 75Ω ±15

Conductor

Conductor count: 4 (2 twisted pair)
Gauge: 28 AWG 0.08 mm²
Material: tinned copper strands
Strand size: Ø 0.05 x 40
Resistance at 20 °C: 240 Ω /km max

Insulator

Material: HDPE
Color: white, green (1P) / black, red (1P)
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: Ø0.08 mm x 68

Outer jacket

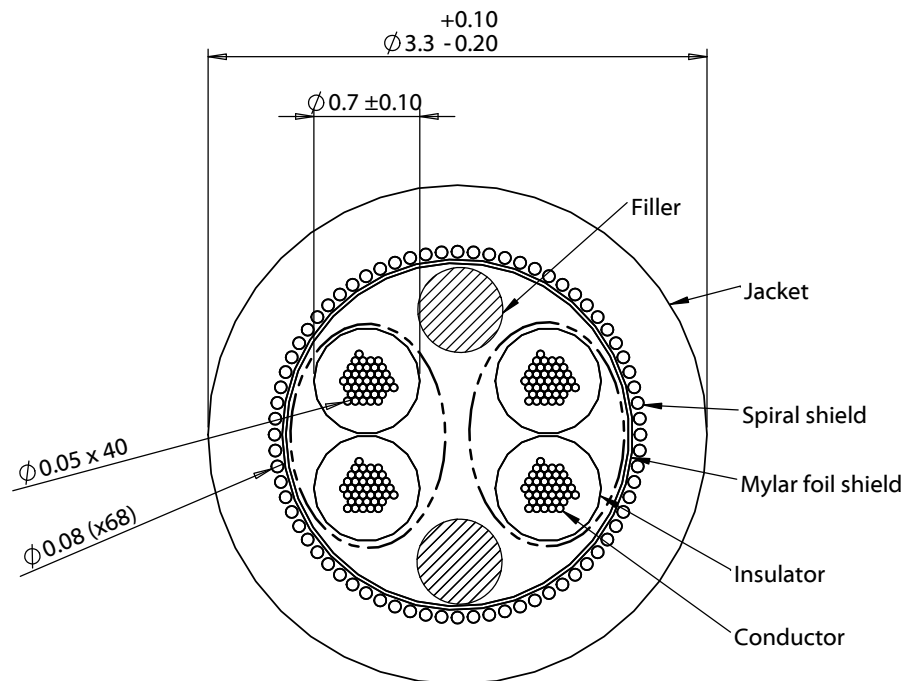
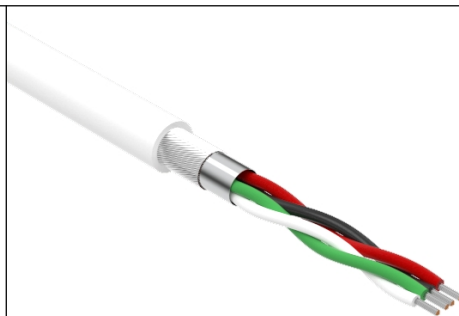
Material: TPU
Color: white (Cool Gray 1C)
Diameter: Ø 3.3 -0.20 mm
Nominal thickness: 0.40 mm

Filler:

Material: aramid fiber

Tests

Tensile strength: 35.7 kgf
Dielectric test: 1500V dc for 1 minute without breakdown
Spark test: 1.50 kV (insulation), 3.0 kV (jacket)
Bend test at 200 g, ±90 °, 30 cycles/min: 15,000 cycles minimum



Revision:	Date:	Description:	Prepared: KW Digitally signed by KW Date: 2026.08.05 15:35:46 -07'00'	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	07/28/2026	Initial release	Verified: CR Digitally signed by CR Date: 2026.08.05 15:37:12 -07'00'	Function test: no open, no short, no intermittent	
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description: Wire, 4C, 2PR TS, 28 AWG, 150V, 70C, 3.3 mm, shielded, TPU, WBL, white	Size: A Part number: 30-03965
					Scale: 20:1 Sheet 1 of 1