

Ratings

Temperature: -40 ~ 70 °C

Conductor

Gauge: 28 AWG, 0.081 mm²

Material: tinned copper strands

Stranding: $\varnothing 0.05 \times 40$

Resistance at 20 °C: 240 Ω /km

Insulator

Material: HDPE

Color: black, white, yellow, red

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

Nominal thickness: 0.15 mm

Resistance at 20 °C: 1000 M Ω /km

Shield

Type: spiral

Material: tinned copper strands

Strand size: $\varnothing 0.08$ mm

Coverage: 90 % minimum

Outer jacket

Material: TPU, 70 °C

Color: cool gray 9C

Nominal thickness: 0.50 mm

Diameter: $\varnothing 2.8 \pm 0.15$ mm

Filler

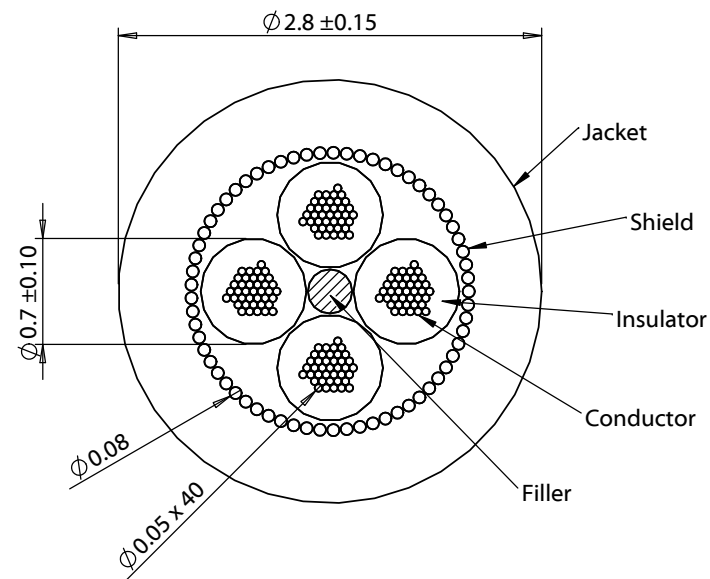
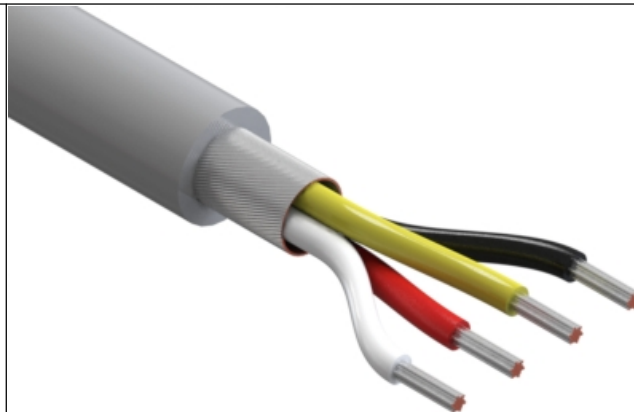
Material: aramid fiber

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 20802 Sockeye Place #130 Bend, OR 97701 USA tel 541.323.3228 fax 541.323.4202 800 877.670.7118 www.tensility.com		
A	4/24/2015	Initial release		RoHS and REACH compliant			
A1	6/29/2015	Updated notes section	VERIFIED:	Jacket meets ISO 10993 for biological compatibility			
A2	1/13/2016	Updated notes, corrected tolerances		Phthalate and halogen free			
A3	1/17/2019	Changed filler material to generic name		Function test: no open, no short, no intermittent			
			DIMENSIONS ARE IN MILLIMETERS	DESCRIPTION: Wire, 4C TS, 28 AWG, 150V, 70C, 2.8 mm, spiral shield, TPU, 78A, grey, WBL	SIZE A	PART NUMBER 30-00447	
			TOLERANCES: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm		SCALE: 1:1		SHEET 1 OF 1