

Ratings

Temperature: -40 ~ 70 °C

Voltage: 150 V

Conductor

Gauge: 28 AWG, 0.081 mm²

Material: tinned copper strands

Stranding: $\phi 0.05 \times 40$

Resistance at 20 °C: 240 Ω /km max

Insulator

Material: HDPE

Color: black, white

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

Nominal thickness: 0.15 mm

Resistance at 20 °C: 1000 M Ω /km min

Shield

Type: spiral

Material: tinned copper strands

Strand size: $\phi 0.08$ mm

Coverage: 90 % minimum

Outer jacket

Material: TPU, 70 °C

Color: cool gray 9C

Nominal thickness: 0.50 mm

Diameter: $\phi 2.6 \pm 0.15$ mm

Filler

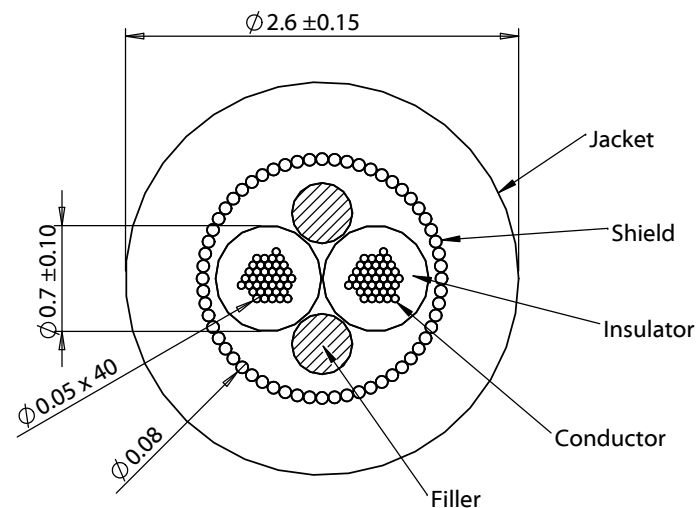
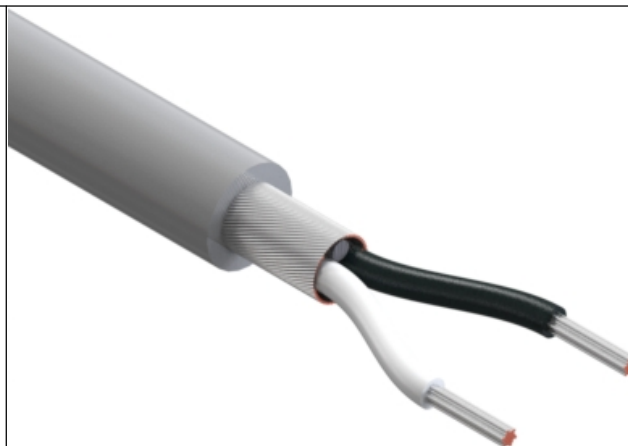
Material: aramid fiber

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	9/30/2015	Initial release	VERIFIED:	RoHS and REACH compliant			
A1	1/13/2016	Updated notes, corrected tolerances		Jacket meets ISO 10993 biological compatibility			
A2	1/17/2019	Changed filler material to generic name	DIMENSIONS ARE IN MILLIMETERS	Phthalate and halogen free			
				Function test: no open, no short, no intermittent	DESCRIPTION:		
					Wire, 2C TS, 28 AWG, 150V, 70C, 2.6 mm, spiral shield, TPU, gray, WBL		
			TOLERANCES:		SIZE	PART NUMBER	
			X: ± 0.5 mm		A	30-00655	
			X.X: ± 0.3 mm		SCALE: 20:1		SHEET 1 OF 1
			X.XX: ± 0.05 mm				