

**Ratings**

Temperature: 0 ~ 70 °C

**Conductor**Gauge: 28 AWG, 0.081 mm<sup>2</sup>

Material: tinned copper strands

Stranding:  $\phi 0.05 \times 40$ Resistance at 20 °C: 240  $\Omega$ /km**Insulator**

Material: HDPE

Color: black, white, yellow, red

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

Nominal thickness: 0.15 mm

Resistance at 20 °C: 1000 M $\Omega$ /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

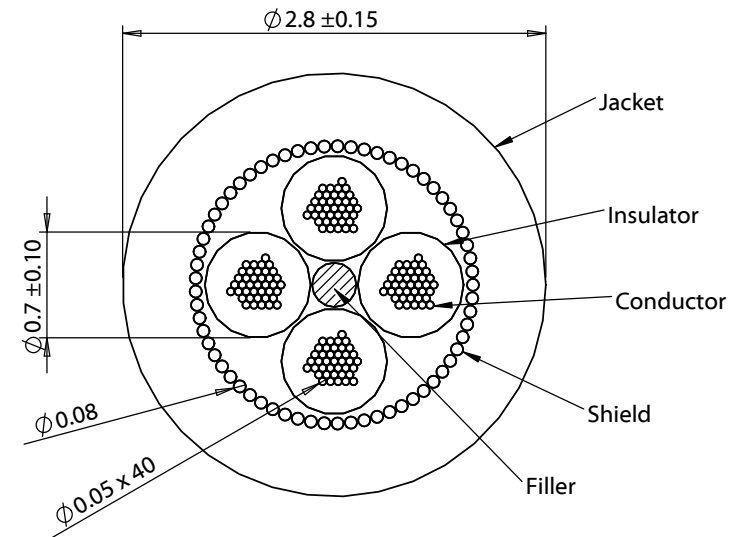
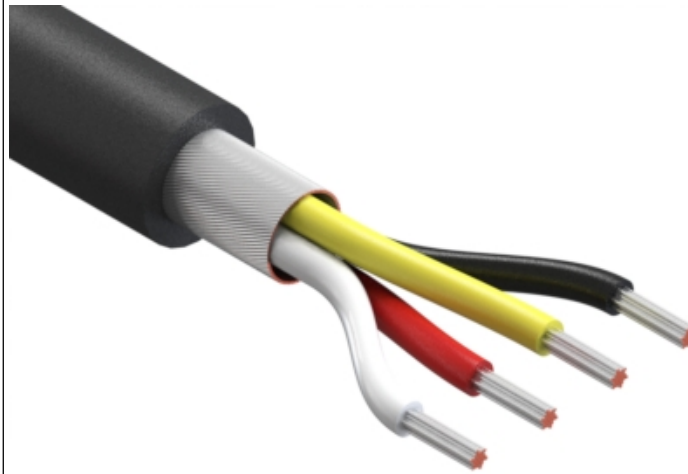
Diameter:  $\phi 2.8 \pm 0.15$  mm**Filler**

Material: kevlar

**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	<h1>TENSILITY</h1> <p>20802 Sockeye Place #130 Bend, OR 97701 USA tel 541.323.3228 fax 541.323.4202 800 877.670.7118 www.tensility.com</p>		
A	7/31/2015	Initial release		RoHS and REACH compliant			
A1	1/13/2016	Updated notes, corrected tolerances	VERIFIED:	Jacket meets ISO 10993 for biological compatibility	A	30-00491	
				Phthalate and halogen free	SCALE: 1:1	SHEET 1 OF 1	
			DIMENSIONS ARE IN MILLIMETERS	Function test: no open, no short, no intermittent			
			TOLERANCES: X: $\pm 0.5$ mm X.X: $\pm 0.3$ mm X.XX: $\pm 0.05$ mm	DESCRIPTION: Wire, 4C TS, 28 AWG, 150V, 70C, 2.8 mm, spiral shield, TPU			