

Ratings

Voltage: 30 V

Temperature: -35° to 80° C

Conductor

Conductor count: 5

Gauge: 26 AWG 0.13 mm²

Material: tinned copper strands

Strand size: Ø 0.08 mm x 26

Max resistance @ 20 °C: 150 ohm/km

Insulator

Material: PVC, 42P

Color: white, black, red, yellow, blue

Diameter: Ø 1 ±0.10 mm

Nominal thickness: 0.25 mm

Resistance at 20 °C: 10 MΩ / km

Filler

Material: cotton rope

Shield

Type: braided

Material: tinned copper strands

Stranding: 16/8/ Ø0.10 mm

Coverage: 90% minimum

Outer jacket

Material: TPE, 70A

Color: matte black

Diameter: Ø 4.5 ±0.30 mm

Nominal thickness: 0.70 mm

Wire marking: TENSILITY 26 AWG 30V 80°C 30-00831

Tests

Before aging:

Insulation tensile strength: 1.05 kgf/mm²

Jacket tensile strength: 0.84 kgf/mm²

Minimum jacket elongation >200 % original

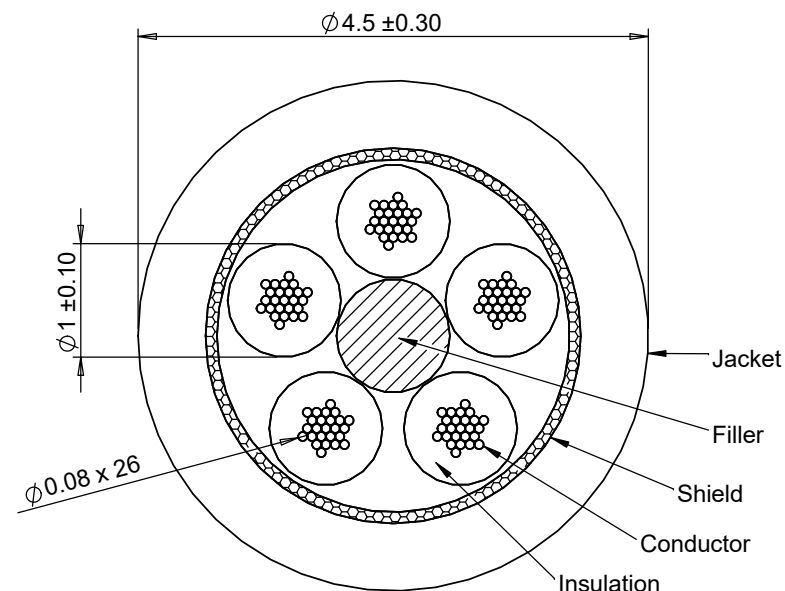
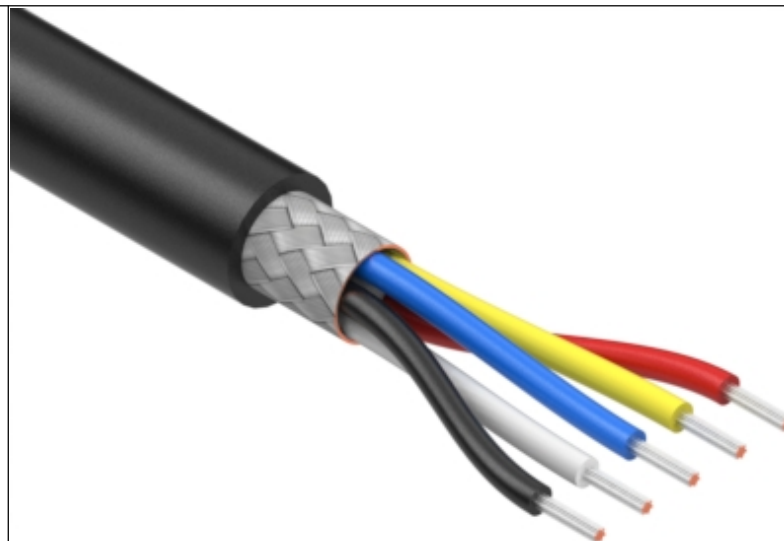
Minimum insulation elongation >100 % original

Heat shock: 150 ±1 °C /1 hour, no observed degradation

Deformation: 121 ±1 °C /1 hour, ≤ 50 %

Cold bend: -10 ±2 °C /1 hour, no observed cracking

Dielectric test: 2000 Vac for 1 minute without breakdown



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	11/1/16	Initial release	Verified:	RoHS and REACH compliant Function test: no open, no short circuit, no intermittent			
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description: Wire, 5C TS, 26 AWG, 30V, 80C, 4.5 mm, braid shield, TPE, 70A	Size: A	Part number: 30-00831	
					Scale: 15:1		Sheet 1 of 1