

Ratings

Voltage: 150 V
Temperature: -40~70°C

Conductor

Conductor count: 8
Gauge: 18 AWG 0.82 mm²
Material: tinned copper strands
Strand size: $\phi 0.127 \times 65$
Resistance at 20 °C: 23.2 Ω /km Max

Insulator

Material: HDPE
Color: red, black, white, yellow, blue, green, orange, purple
Diameter: $\phi 1.65 \pm 0.10$ mm
Nominal thickness: 0.21 mm
Resistance at 20 °C: 100 M Ω /km Min

Wrap

Material: cotton paper

Filler

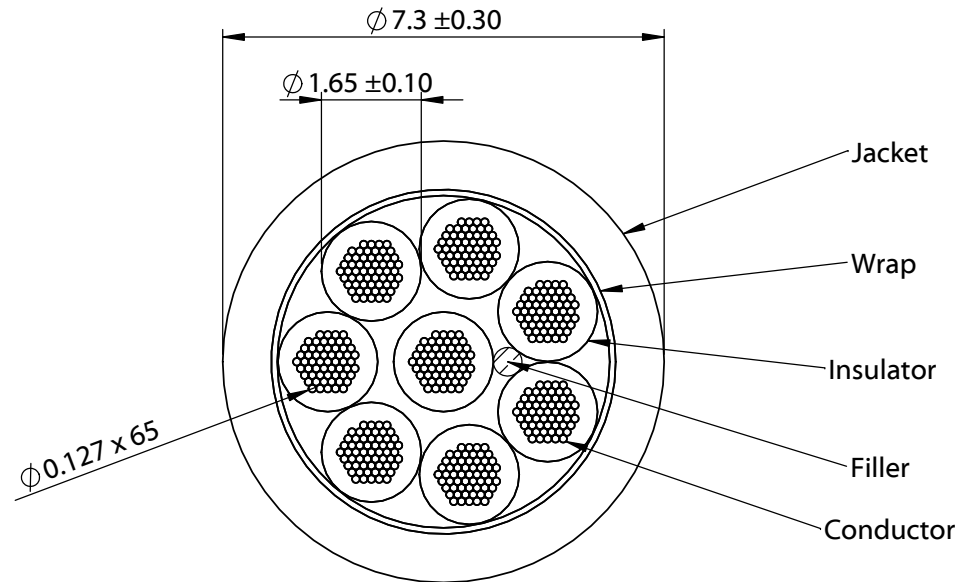
Material: aramid fiber

Outer jacket

Material: TPU
Color: black
Diameter: $\phi 7.3 \pm 0.30$ mm
Nominal thickness: 0.7 mm

Tests

Tensile strength: 26 kgf min
Dielectric test: 1500 V dc for 1 minute without breakdown
Bend test at 200 g, $\pm 60^\circ$, 30 cycles /min: 15,000 cycle minimum



Revision:	Date:	Description:	Prepared:	Notes: RoHS compliant Jacket meets ISO 10993 Biological Compatibility Phthalate and halogen free Function test: no open, no short, no intermittent	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	9/6/2022	Initial release	Verified:				
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description:	Size:	Part number:	
				Wire, 8C TS, 18 AWG, 150V, 70C, 7.3 mm, TPU, 75A, WBL	A	30-02678	
					Scale: 8:1	 	Sheet 1 of 1