

Ratings

Voltage: 150 V
Temperature: -40~70 °C

Conductor

Conductor count: 7
Gauge: 30 AWG 0.05 mm²
Material: Tinned copper strands
Strand size: $\varnothing 0.05 \times 25$
Resistance at 20 °C: 385 Ω /km max

Insulator

Material: HDPE
Color: white, black, red, yellow, blue, green, orange
Diameter: $\varnothing 0.65 \pm 0.10$ mm
Nominal thickness: 0.18 mm
Resistance at 20 °C: 100 M Ω /km min

Wrap

Material: cotton paper

Filler

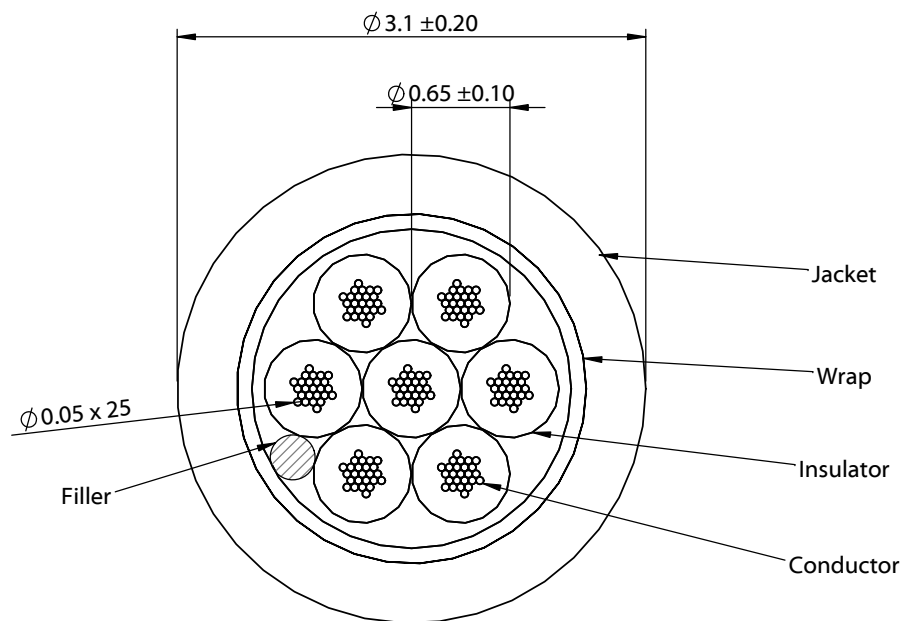
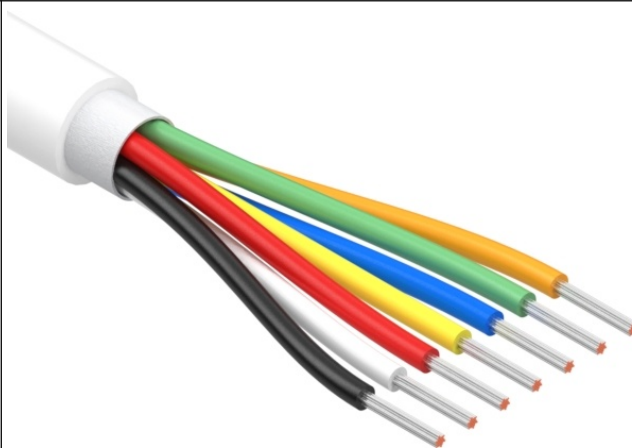
Material: aramid fiber

Outer jacket

Material: TPU
Color: white
Diameter: $\varnothing 3.1 \pm 0.20$ mm
Nominal thickness: 0.50 mm

Tests

Tensile strength: 15 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	8/23/2022	Initial release	Verified:				
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description: Wire, 7C TS, 30 AWG, 150V, 70C, 3.1 mm, TPU, 75A, white, WBL	Size: A	Part number: 30-02820	
					Scale: 20:1		Sheet 1 of 1

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