

Ratings

Voltage: 600 V
 Temperature
 Static: -40~105 °C
 Dynamic: -20 ~ 105 °C
 Flammability: VW-1
 Water resistant: 75 °C
 Oil resistant: 100 °C (jacket), 96 hours
 ≥50% elongation and tensile strength after aging
 UV resistance: jacket, 720 hours xenon or carbon arc exposure
 ≥80% tensile strength and elongation after aging

Conductor

Conductor count: 4
 Gauge: 16 AWG 1.31 mm²
 Material: tinned copper strands
 Strand size: $\varnothing 0.25 \times 26$
 Resistance at 20 °C: 14.6 Ω /km max

Insulator

Material: PVC
 Color: red, black, white, green
 Diameter: $\varnothing 2.4 \pm 0.1$ mm
 Nominal thickness: 0.42 mm
 Resistance at 20 °C: 2.5 M Ω /km min

Wrap

Material: cotton paper

Outer jacket

Material: TPU (Polyether Polyurethane)
 Color: black
 Diameter: $\varnothing 7.8 \pm 0.25$ mm
 Nominal thickness: 0.76 mm

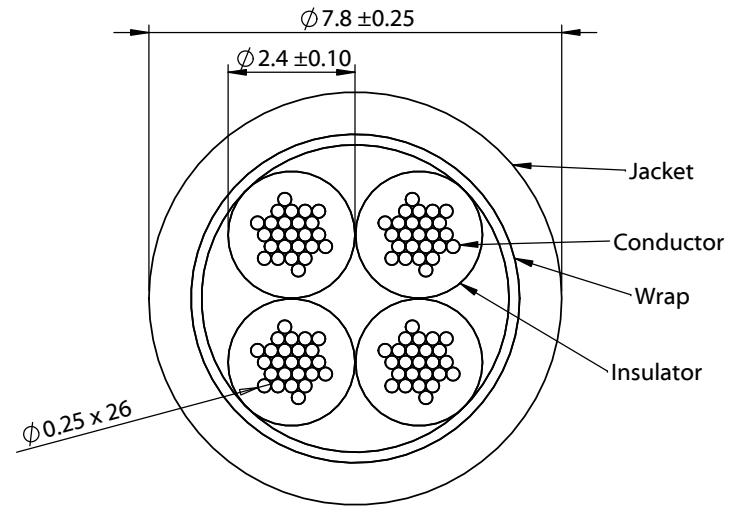
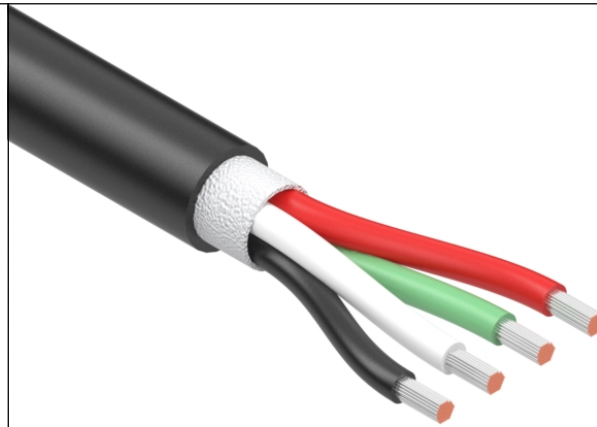
Wire marking:

E339579 UL AWM STYLE 21767 16AWG 105°C 600V VW-1 --- cUL
 AWM II A 105°C 600V FT1 60°C OIL RESISTANT UV RESISTANT
 TENSILITY

Flex operation:

Static: 12 times the outer diameter (93.6 mm)
 Dynamic: 15 times de outer diameter (117 mm)

Use: External wiring



Revision:	Date:	Description:	Prepared:	Notes:	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</p>
A	04/16/2025	Initial release	Verified:	RoHS compliant	
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Function: no open, no short circuit, no intermittent	
				Description: Wire, 4C TS, 16 AWG, UL21767, 600V, 105C, 60C oil, UV, 7.8 mm, VW-1, TPU	
				Size: A	Part number: 30-03524
				Scale: 7:1	Sheet 1 of 1

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