

**Ratings**

Voltage: 300 V

Temperature

Static: -40~105 °C

Dynamic: -20 to 105 °C

Flammability: VW-1

Water resistant: 75 °C

Oil resistant: 60 °C (jacket)

≥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: 8

Gauge: 24 AWG 0.21 mm<sup>2</sup>

Material: tinned copper strands

Strand size: Ø 0.08 mm x 41

Resistance at 20 °C: 94.2 Ω /km Max

**Insulator**

Material: PVC

Color: white, brown, green, yellow, gray, pink, blue, red

Diameter: Ø 1.4 ±0.10 mm

Nominal thickness: 0.38 mm

Resistance at 20 °C: 2.5 MΩ /kft

**Wrap**

Material: cotton paper

**Filler**

Material: cotton rope

**Outer jacket**

Material: PVC, 80A

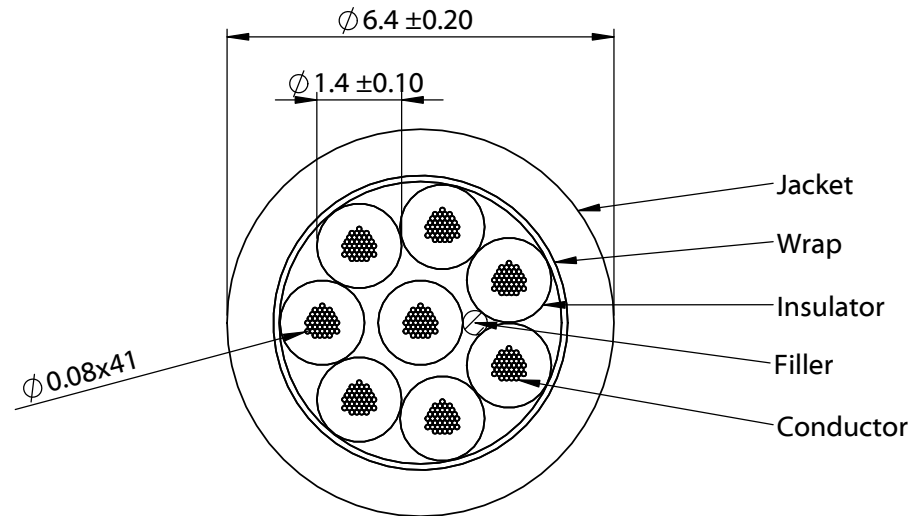
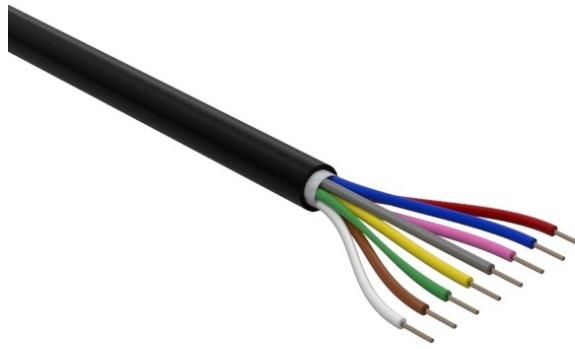
Color: black

Diameter: Ø 6.4 ±0.20 mm

Nominal thickness: 0.80 mm

**Wire marking:** E339579 UL AWM STYLE 20387 24 AWG 105°C  
300V VW-1 60°C OIL RESISTANT UV RESISTANT TENSILITY**Bend radius**

Minimum: 6 times diameter (38.4 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	10/28/25	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 test: no open, no short circuit, no intermittent	
				Description: Wire, 8C TS, 24 AWG, UL20387, 300V, 105C, 60C oil, UV, 6.4 mm, VW-1, PVC, 80A, black	
				Size: A	Part number: <b>30-03792</b>
				Scale: 8:1	Sheet 1 of 1

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