

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: 2

Gauge: 20 AWG 0.52 mm²

Material: tinned copper strands

Strand size: $\varnothing 0.16$ mm x 26Resistance at 20 °C: 36.7 Ω /km Max**Insulator**

Material: PVC

Color: red, black

Diameter: $\varnothing 1.8 \pm 0.10$ mm

Nominal thickness: 0.38 mm

Resistance at 20 °C: 10 M Ω /km Min**Wrap**

Material: cotton paper

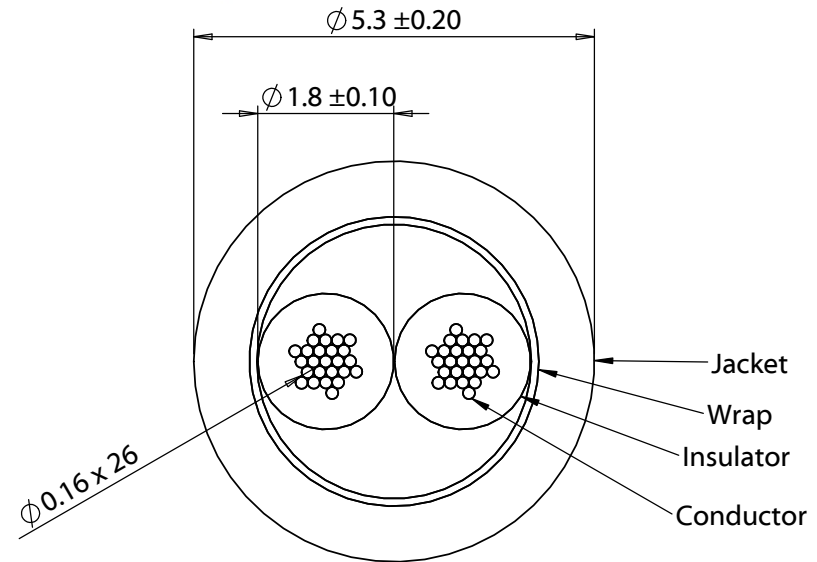
Outer jacket

Material: PVC, 80A

Color: black

Diameter: $\varnothing 5.3 \pm 0.20$ mm

Nominal thickness: 0.80 mm

Wire marking: E339579 UL AWM STYLE 20387 20 AWG 105°C
300V VW-1 60°C OIL RESISTANT UV RESISTANT TENSILITY**Use:** External wiring

Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	10/1/2021	Initial release	Verified:	RoHS 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, 2C TS, 20 AWG, UL20387, 300V, 105C, 60C oil, UV, 5.3 mm, VW-1, PVC, 80A, black	Size: A	Part number: 30-01641	
					Scale: 10:1		Sheet 1 of 1

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