

Ratings

Voltage: 300 V
 Temperature: -80~200 °C
 Flammability: VW-1
 Oil resistance: 60 °C
 ≥50% elongation and tensile strength after aging

Conductor

Conductor count: 1
 Gauge: 16 AWG 1.34 mm²
 Material: tinned copper strands
 Strand size: Ø0.3 mm x 19
 Resistance at 20 °C: 14.6 Ω /km max

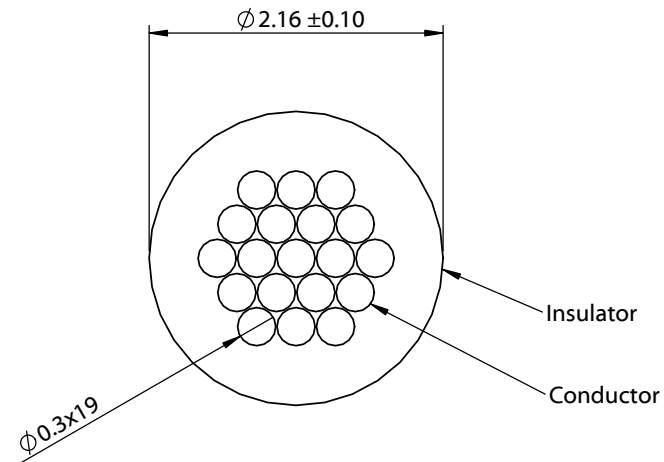
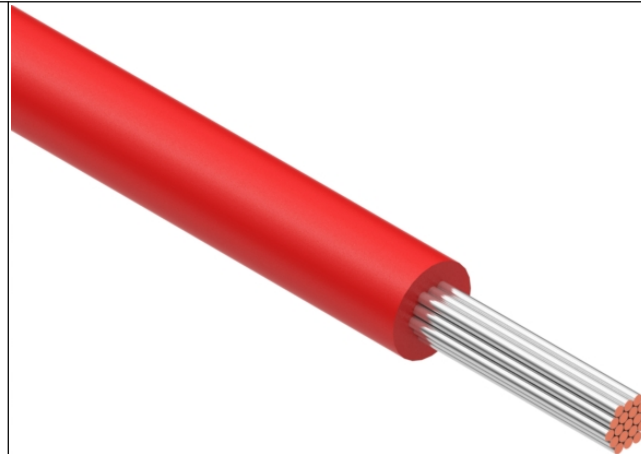
Insulator

Material: Fluorinated ethylene propylene (FEP)
 Color: red
 Diameter: Ø2.16 ±0.10 mm
 Nominal thickness: 0.33 mm
 Resistance at 20 °C: 2.5 MΩ /kft min

Wire marking: E339579 UL AWM STYLE 1332 16AWG 200°C 300V
 VW-1 --- cUL AWM I A/B 200°C 300V FT1 TENSILITY

Mechanical Tests

After aging at 232±1°C for 7 days
 Minimum tensile strength 1.76 kgf/mm²
 Minimum elongation 200% original



Revision:	Date:	Description:	Prepared: MP <small>Digitally signed by MP Date: 2022.05.25 08:27:03 -07'00'</small>	Notes:	TENSILITY <small>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</small>
A	5/25/2022	Initial release	Verified: PB <small>Digitally signed by PB Date: 2022.05.27 12:22:59 -07'00'</small>	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:	Size: Part number: A 30-02531
				Wire, hook-up, TS, 16 AWG, UL 1332, 300V, 200C, 2.16 mm, FEP, red	Scale: 18:1

5

4

3

2

1