

**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 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size: Ø0.3 mm x 19  
 Resistance at 20 °C: 14.6 Ω /km max

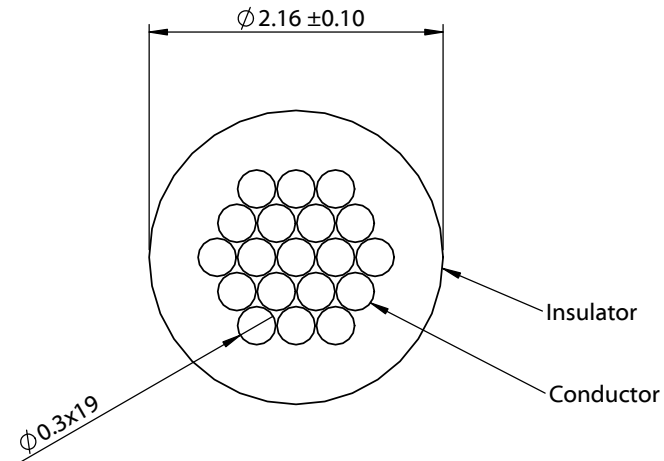
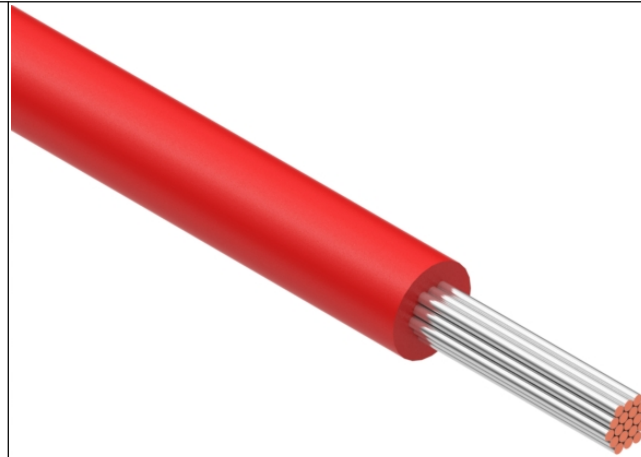
**Insulator**



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/mm<sup>2</sup>  
 Minimum elongation 200% original



Revision:	Date:	Description:	Prepared:	Notes: RoHS compliant	<b>TENSILITY</b> tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	5/25/2022	Initial release	Verified:		
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description:	Size: Part number:
				Wire, hook-up, TS, 16 AWG, UL 1332, 300V, 200C, 2.16 mm, FEP, red	A 30-02531
				Scale: 18:1	  Sheet 1 of 1

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