

**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: 12 AWG 3.3 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size: Ø0.47 mm x 19  
 Resistance at 20 °C: 5.64 Ω /km max

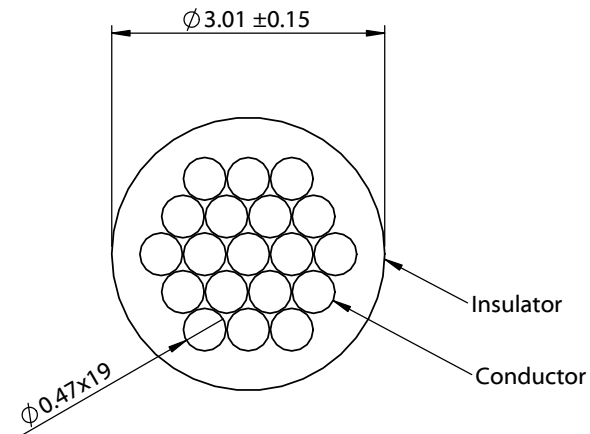
**Insulator**

Material: Fluorinated ethylene propylene (FEP)  
 Color: orange  
 Diameter: Ø3.01 ±0.15 mm  
 Nominal thickness: 0.33 mm  
 Resistance at 20 °C: 2.5 MΩ /kft min

**Wire marking:** E339579 UL AWM STYLE 1332 12AWG 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	05/20/2022	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, 12 AWG, UL 1332, 300V, 200C, 3.01 mm, FEP, orange	A 30-02517
				Scale: 12:1	Sheet 1 of 1

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