

**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

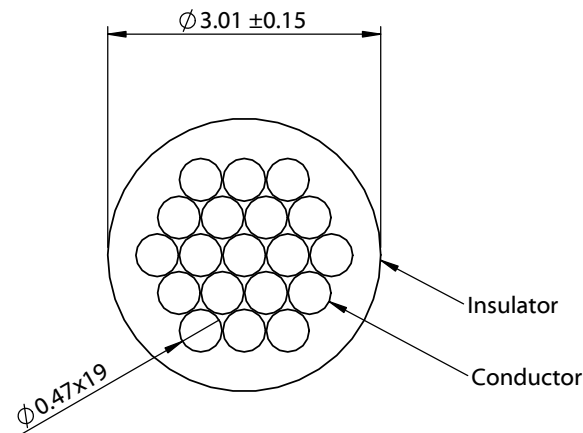
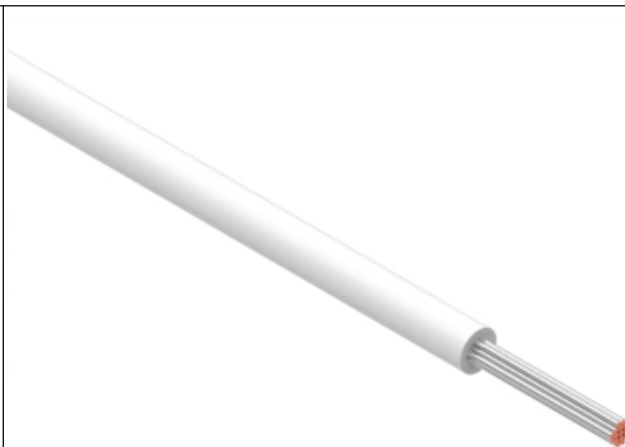
**Insulator**

Material: Fluorinated ethylene propylene (FEP)  
 Color: white  
 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:
A	05/20/2022	Initial release

Prepared: **MP**  
Digitally signed By MP Date: 2022.05.24 12:05:46 -0700

Verified: **PB**  
Digitally signed by PB Date: 2022.05.27 12:05:46 -0700

Dimensions are in millimeters.  
 Tolerances:  
 X: ± 0.5 mm  
 X.X: ± 0.3 mm  
 X.XX: ± 0.05 mm

Notes:  
 RoHS compliant

Function test: no open, no short circuit, no Intermittent

Description:  
 Wire, hook-up, TS, 12 AWG, UL 1332, 300V, 200C, 3.01 mm, FEP, white

**TENSILITY**

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Size: A	Part number: 30-02513
Scale: 12:1	

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