

**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: 18 AWG 0.82 mm<sup>2</sup>  
Material: tinned copper strands  
Strand size: Ø0.235 mm x 19  
Resistance at 20 °C: 23.2 Ω /km max

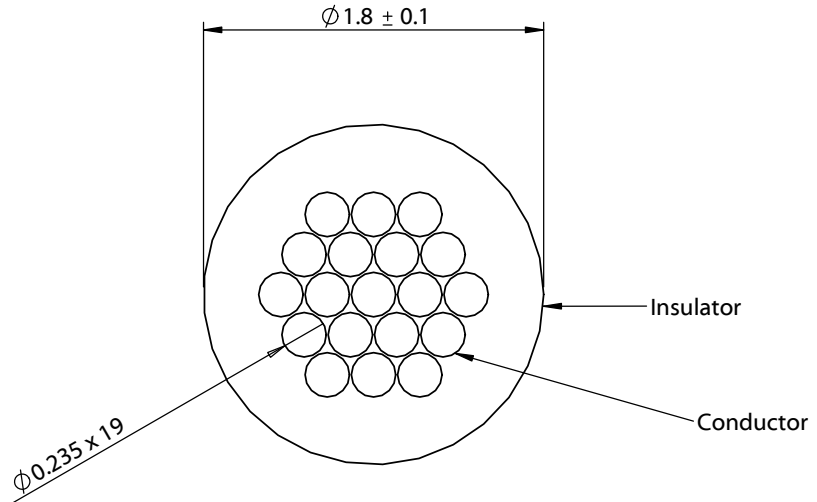
**Insulator**

Material: Fluorinated ethylene propylene (FEP)  
Color: black  
Diameter: Ø 1.8 ± 0.1  
Nominal thickness: 0.33 mm  
Resistance at 20 °C: 2.5 MΩ /kft min

**Wire marking:** E339579 UL AWM STYLE 1332 18AWG 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	05/23/2022	Initial release

Prepared: **MP**  
Digitally signed by MP  
Date: 2022.05.24  
15:51:42 -07'00'

Verified: **PB**  
Digitally signed by PB  
Date: 2022.05.27  
14:06:41 -07'00'

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, 18 AWG, UL 1332, 300V, 200C, 1.8 mm, FEP, black

# TENSILITY

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Size:	Part number:
A	30-02542

Scale: 25:1		Sheet 1 of 1
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