

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 mm²
 Material: tinned copper strands
 Strand size: Ø0.235 mm x 19
 Resistance at 20 °C: 23.2 Ω /km max

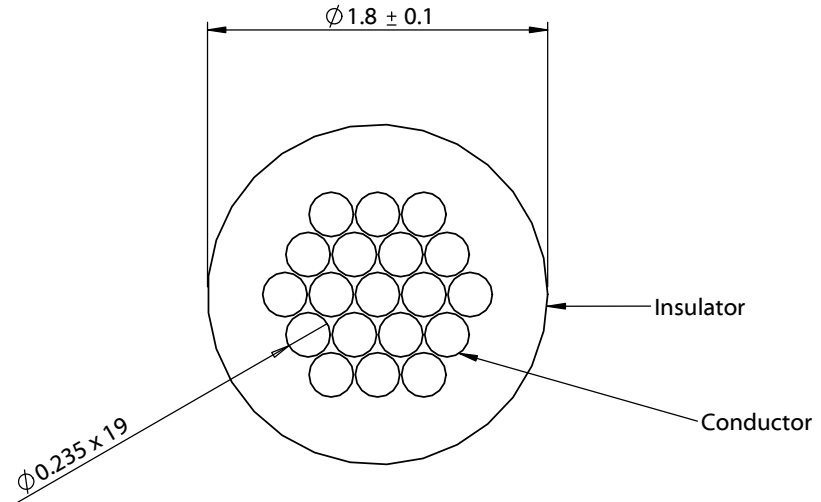
Insulator


Material: Fluorinated ethylene propylene (FEP)
 Color: orange
 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/mm²
 Minimum elongation 200% original



Revision:	Date:	Description:	Prepared: MP <small>Digitally signed by MP Date: 2022.05.24 15:33:48 +0700'</small>	Notes:	TENSILITY <small>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</small>
A	05/23/2022	Initial release	Verified: PB <small>Digitally signed by PB Date: 2022.05.27 14:08:55 -0700'</small>	RoHS compliant	
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Function test: no open, no short circuit, no Intermittent	Size: Part number: A 30-02547
				Description: Wire, hook-up, TS, 18 AWG, UL 1332, 300V, 200C, 1.8 mm, FEP, orange	Scale: 25:1  Sheet 1 of 1

5

4

3

2

1