

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 mm²
Material: tinned copper strands
Strand size: Ø0.47 mm x 19
Resistance at 20 °C: 5.64 Ω /km max

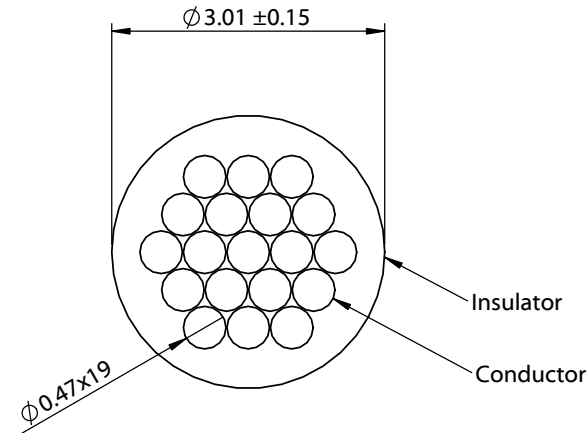
Insulator

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



Revision:	Date:	Description:
A	05/20/2022	Initial release

Prepared: **MP**
Digitally signed by MP
Date: 2022.05.27
12:10:29 -07'00'

Verified: **PB**
Digitally signed by PB
Date: 2022.05.24
12:41:01 -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, 12 AWG, UL 1332, 300V, 200C, 3.01 mm, FEP, brown

TENSILITY

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Size:	Part number:
A	30-02520
Scale: 12:1	Sheet 1 of 1