

Ratings

Voltage: 300 V
Temperature: -25 ~ 80 °C
Flammability: VW-1

Conductor

Conductor count: 2
Gauge: 18 AWG 0.82 mm²
Material: tinned copper strands
Strand size: $\varnothing 0.16 \times 41$
Resistance at 20 °C: 23.2 Ω /km max

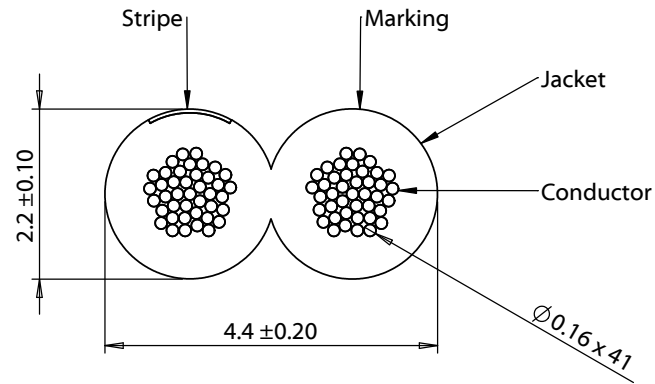
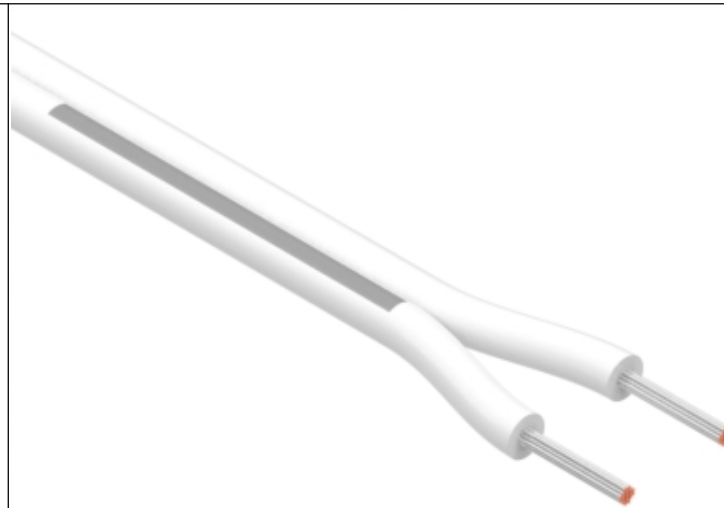
Outer jacket

Material: PVC
Color: white
Diameter: 4.4 ± 0.20 mm
Nominal thickness: 0.50 mm
Resistance at 20 °C: 10 M Ω /km min

Wire marking: E339579 UL AWM STYLE 2468 18 AWG 80°C
300V VW-1 --- cUL AWM I A 80°C 300V FT1 TENSILITY

Tests

Insulation tensile strength: 2.11 kgf/mm²
Jacket tensile strength: 1.05 kgf/mm²
After aging at 113 ± 2 °C for 7 days:
Minimum tensile strength 70 % original
Minimum elongation 65 % original
Heat shock: 121 ± 1 °C /1 hour, no observed degradation
Deformation: 121 ± 1 °C /1 hour, ≤ 50 %
Cold bend: -10 ± 2 °C /1 hour, no observed cracking



Revision:	Date:	Description:
A	07/09/2014	Initial release
A1	01/08/2016	Corrected tolerances
A2	09/05/2018	Increased operating temperature range

Prepared: **AW**
Digitally signed by AW
Date: 2018.09.06 11:17:14 -07'00'

Verified: **PS**
Digitally signed by PS
Date: 2018.09.06 12:04:54 -07'00'

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

Notes:
RoHS and REACH compliant

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

Description:
Wire, 2C TS, 18 AWG, UL2468, 300V, 80C, 4.4 mm, VW-1, PVC, white

TENSILITY

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Size: A	Part number: 30-00396
Scale: 10:1	Sheet 1 of 1

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