

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

Insulator

Material: PVC
 Color: white, black
 Diameter: $\varnothing 1.8 \pm 0.10$ mm
 Nominal thickness: 0.29 mm
 Resistance at 20 °C: 10 M Ω /km min

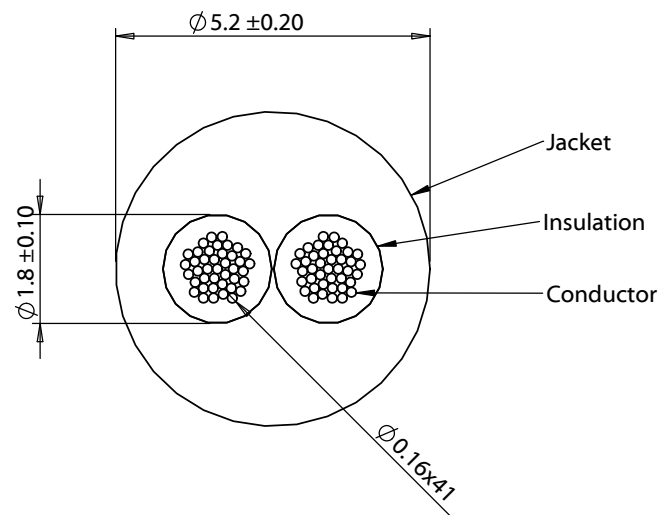
Outer jacket

Material: PVC
 Color: gray
 Diameter: $\varnothing 5.2 \pm 0.20$ mm
 Nominal thickness: 0.80 mm

Wire marking: E339579 UL AWM STYLE 2464 18 AWG 80°C 300V VW-1 --- cUL AWM I/II A 80°C 300V FT1 LF 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	06/24/2014	Initial release
A1	09/06/2018	Increased operating temperature range

Prepared: JP
Digitally signed by JP
 Date: 2018.09.06
 14:09:32 -07'00'

Verified: PS
Digitally signed by PS
 Date: 2018.09.06
 15:10:55 -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, UL2464, 300V, 80C, 5.2 mm, VW-1, PVC, gray

TENSILITY

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Size: A	Part number: 30-00352
Scale: 8:1	Sheet 1 of 1