

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

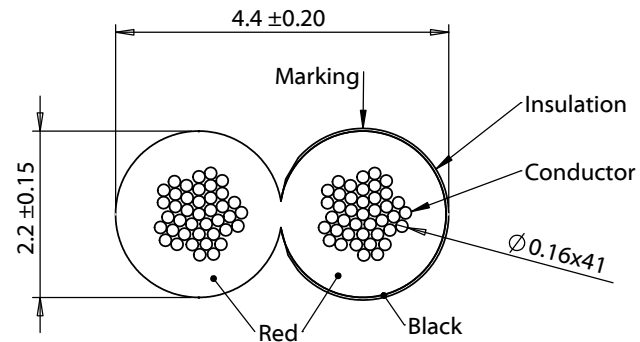
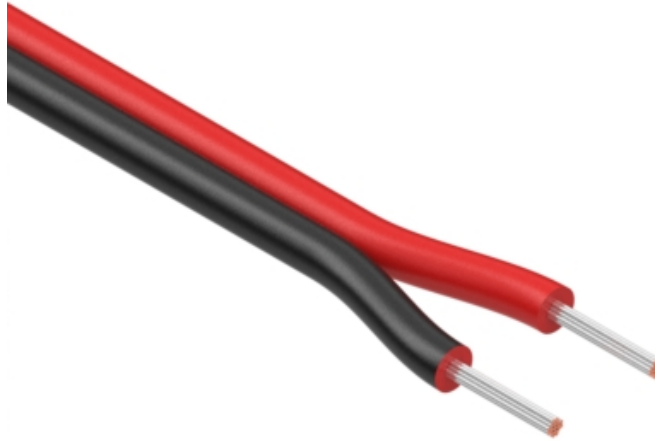
Insulation

Material: PVC
 Color: red, black
 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	7/22/2014	Initial release
A1	10/13/2014	Changed jacket construction
A2	9/8/2015	Updated jacket tolerance
A3	9/7/2018	Increased operating temperature range

Prepared: AG
Digitally signed by AG
 Date: 2018.09.07
 12:23:09 -07'00'

Verified: PS
Digitally signed by PS
 Date: 2018.09.07 12:29:42
 -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, 80°C, 4.4 mm, VW-1, PVC, red and black

TENSILITY

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Size: A Part number: 30-00415

Scale: 10:1 Sheet 1 of 1