

Ratings

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

Conductor

Conductor count: 2
 Gauge: 20 AWG 0.52 mm²
 Material: tinned copper strands
 Strand size: $\varnothing 0.16 \times 26$
 Resistance at 20 °C: 36.7 Ω /km max

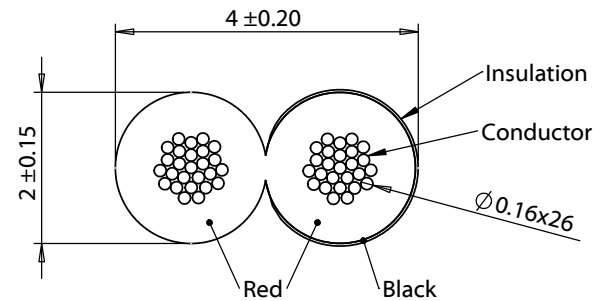
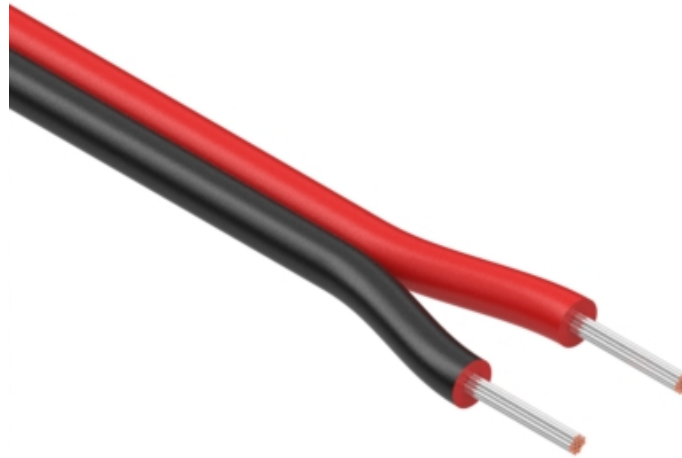
Insulation

Material: PVC
 Color: red, black
 Diameter: 4 ± 0.20 mm
 Nominal thickness: 0.52 mm
 Resistance at 20 °C: 10 M Ω /km min

Wire marking: E339579 UL AWM STYLE 2468 20 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:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	7/21/2014	Initial release	AG <small>Digitally signed by AG Date: 2018.09.07 12:29:28 -0700'</small>	RoHS and REACH compliant	
A1	10/14/2014	Updated jacket construction	Verified:	Function test: no open, no short circuit, no intermittent	Size: Part number: A 30-00416
A2	9/8/2015	Updated jacket tolerance	PS <small>Digitally signed by PS Date: 2018.09.07 12:32:21 -0700'</small>	Description:	
A3	9/7/2018	Increased operating temperature range	Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Wire, 2C TS, 20 AWG, UL2468, 300V, 80°C, 4.0 mm, VW-1, PVC, red and black	Scale: 10:1
					Sheet 1 of 1

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