

**Ratings**

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

**Conductor**

Conductor count: 2  
 Gauge: 20 AWG 0.52 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size:  $\phi$ 0.16x26  
 Resistance at 20 °C: 36.7  $\Omega$  /km max

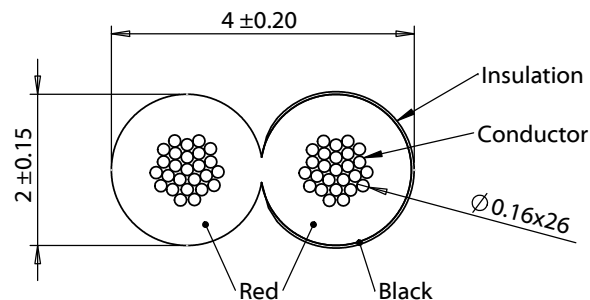
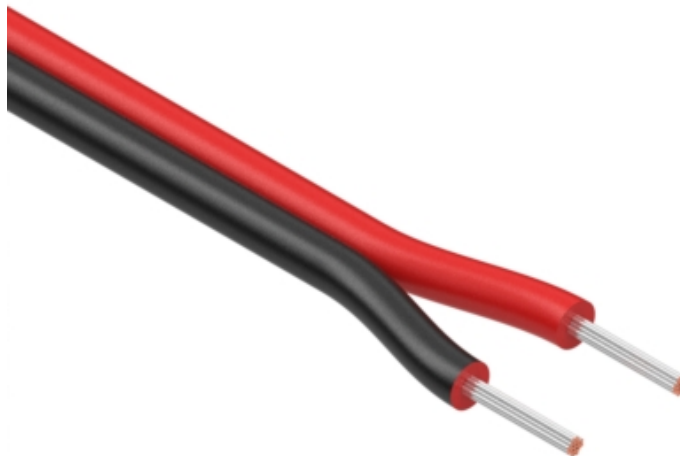
**Insulation**

Material: PVC  
 Color: red, black  
 Diameter: 4  $\pm$ 0.20 mm  
 Nominal thickness: 0.52 mm  
 Resistance at 20 °C: 10 M $\Omega$  /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/mm<sup>2</sup>  
 Jacket tensile strength: 1.05 kgf/mm<sup>2</sup>  
 After aging at 113  $\pm$ 2 °C for 7 days:  
 Minimum tensile strength 70 % original  
 Minimum elongation 65 % original  
 Heat shock: 121  $\pm$ 1 °C /1 hour, no observed degradation  
 Deformation: 121  $\pm$ 1 °C /1 hour,  $\leq$  50 %  
 Cold bend: -10  $\pm$ 2 °C /1 hour, no observed cracking



Revision:	Date:	Description:	Prepared:	Notes:	<b>TENSILITY</b> tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com	
A	7/21/2014	Initial release	Verified:	RoHS and REACH compliant Function test: no open, no short circuit, no intermittent		
A1	10/14/2014	Updated jacket construction	Dimensions are in millimeters. Tolerances: X: $\pm$ 0.5 mm X.X: $\pm$ 0.3 mm X.XX: $\pm$ 0.05 mm	Description: Wire, 2C TS, 20 AWG, UL2468, 300V, 80°C, 4.0 mm, VW-1, PVC, red and black	Size:	Part number:
A2	9/8/2015	Updated jacket tolerance			A	30-00416
A3	9/7/2018	Increased operating temperature range			Scale: 10:1	Sheet 1 of 1

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