

**Ratings**

Voltage: 300 V  
 Temperature: -10 to 105 °C  
 Flammability: VW-1

**Conductor**

Conductor count: 2  
 Gauge: 24 AWG 0.22 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size: Ø 0.16 mm x 11

**Outer jacket**

Material: PVC/38P  
 Color: red and black  
 Diameter: 3 ±0.20 mm (1.5 ±0.1 x 2)  
 Nominal thickness: 0.42 mm

**Electrical requirements**

Voltage test: 300 V  
 Spark test: 3.0 kV  
 Conductor maximum resistance at 20 °C: 94.2 ohms/km  
 Jacket resistance at 20 °C: 10 Mohms/km  
 Dielectric test: 2000 Vac for 1 minute with no breakdown

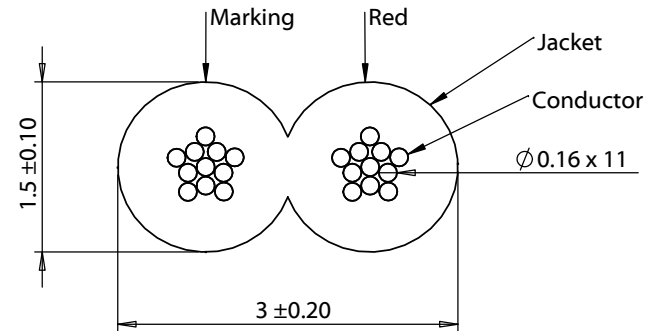
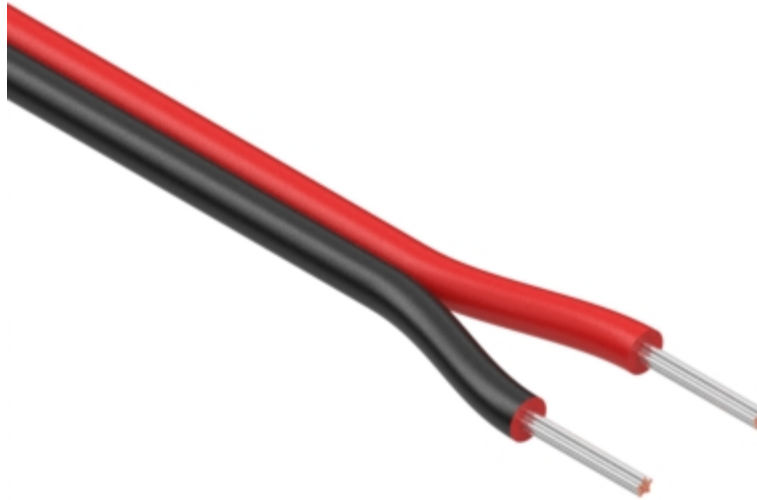
**Mechanical requirements**

Jacket tensile strength: 1.05 kgf/mm<sup>2</sup>  
 After aging at 136±2 °C for 7 days:  
 Minimum tensile strength 70% of original  
 Minimum elongation 65% of original

**Environmental requirements**

Heat shock: 136±1 °C/1 hour, no observed degradation  
 Deformation: 136±1 °C/1 hour, ≤50%  
 Cold bend: -10±2 °C/1 hour, no observed cracking

**Wire marking:** E339579 UL AWM STYLE 2651 24 AWG 105°C 300V VW-1 --- cUL AWM I A 105°C 300V FT1 TENSILITY



Revision:	Date:	Description:	Prepared:	Notes:	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118          fax 1.541.323.4202 web tensility.com</p>
A	9/2/2016	Initial release	Verified:	RoHS and REACH compliant	
A1	12/6/2016	Changed to UL 2651	Dimensions are in millimeters. Tolerances:	Function test: no open, no short circuit, no intermittent	
			X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description: Wire, 2C TS, 24 AWG, UL2651, 300V, 105C, 3.0 mm, VW-1, PVC, red and black	
				Size:	Part number:
				A	30-00804
				Scale: 15:1	
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