

Ratings

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

Conductor

Conductor count: 2
 Gauge: 16 AWG 1.32 mm²
 Material: tinned copper strands
 Strand size: Ø 0.25 mm x 26

Outer jacket

Material: PVC/38P
 Color: red and black
 Diameter: 4.8 ±0.30 mm (2.4±0.15 x 2)
 Nominal thickness: 0.44 mm

Electrical requirements

Voltage test: 300 V
 Spark test: 3.0 kV
 Conductor maximum resistance at 20 °C: 14.6 ohms/km
 Jacket resistance at 20 °C: 10 Mohms/km
 Dielectric test: 2000 Vac for 1 minute with no breakdown

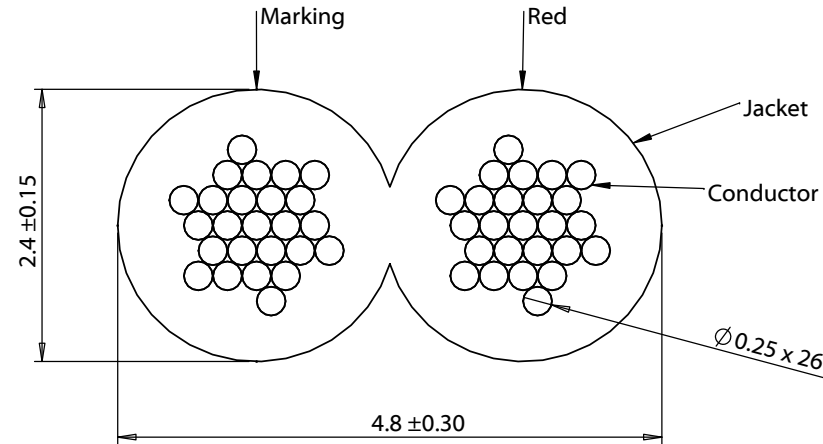
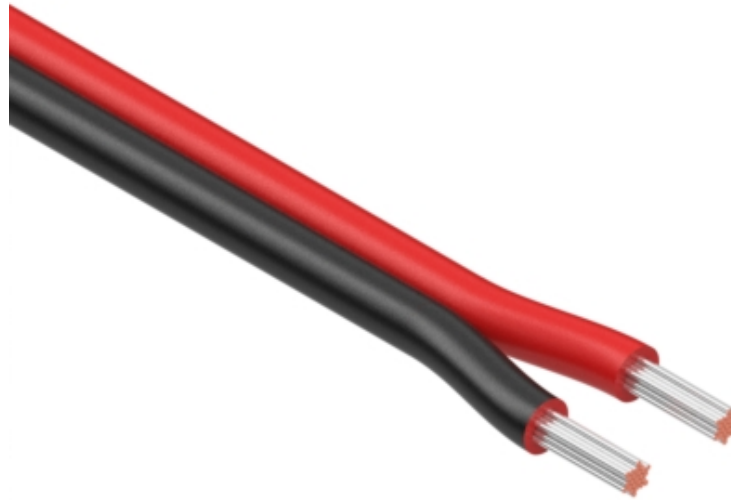
Mechanical requirements

Jacket tensile strength: 1.05 kgf/mm²
 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 16 AWG 105°C 300V VW-1 --- cUL AWM I A 105°C 300V FT1 TENSILITY



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	12/06/2017	Initial release	Verified:	RoHS and REACH compliant Function test: no open, no short circuit, no intermittent	
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description: Wire, 2C TS, 16 AWG, UL2651, 300V, 105C, 4.8 mm, VW-1, PVC, red and black	Size: Part number: A 30-00792
					Scale: 15:1 Sheet 1 of 1