

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
 Max resistance at 20 °C: 14.6 Ω/km

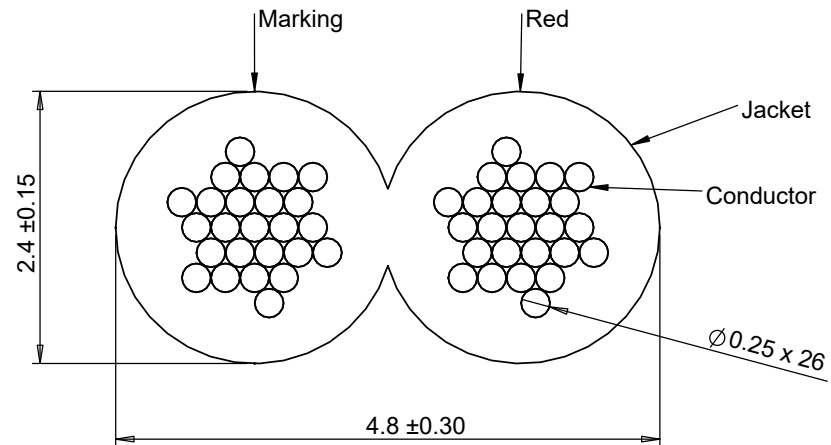
Outer jacket

Material: PVC/38P
 Color: red and black
 Diameter: 4.8 ±0.30 mm (2.4 ±0.15 x 2)
 Nominal thickness: 0.44 mm
 Resistance at 20 °C: 10 MΩ/km

Wire marking: E339579 UL AWM STYLE 2651 16 AWG 105°C
 300V VW-1 - - - cUL AWM I A 105°C 300V FT1 TENSILITY

Tests

Voltage test: 300 V
 Spark test: 3.0 kV
 Jacket tensile strength: 1.05 kgf/mm²
 After aging at 136 ±2 °C for 7 days:
 Minimum tensile strength 70 % original
 Minimum elongation 65 % original
 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
 Dielectric test: 2000 Vac for 1 minute without breakdown



Revision:	Date:	Description:	Prepared:	Notes: RoHS and REACH compliant	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	12/6/2016	Initial release	Verified:		
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description:	Size: Part number:
				Wire, 2C TS, 16 AWG, UL2651, 300V, 105C, 4.8 mm, VW-1, PVC, red and black	A 30-00792
					Scale: 15:1