

Ratings

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

Conductor

Conductor count: 2
 Gauge: 28 AWG 0.09 mm²
 Material: tinned copper strands
 Strand size: Ø 0.12 mm x 7

Outer jacket

Material: PVC/38P
 Color: red and black
 Diameter: 2.5 ±0.20 mm (1.25 ±0.1 x 2)
 Nominal thickness: 0.41 mm

Electrical requirements

Voltage test: 300 V
 Spark test: 3.0 kV
 Conductor maximum resistance at 20 °C: 250 ohms/km
 Jacket resistance at 20 °C: 10 Mohms/km
 Dielectric test: 2000 Vac for 1 minute with no breakdown

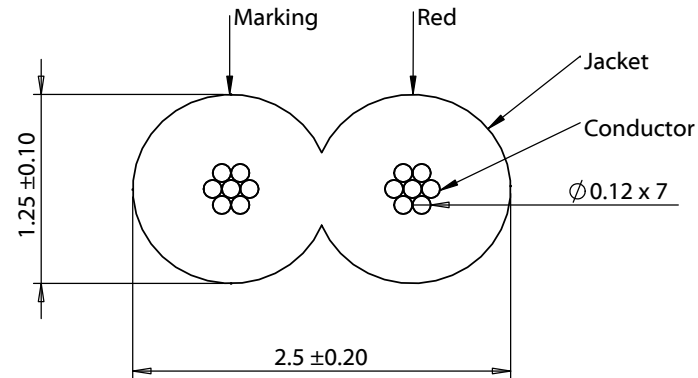
Mechanical requirements



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 28 AWG 105°C
 300V VW-1 --- cUL AWM I A 105°C 300V FT1 TENSILITY



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	10/26/2016	Initial release	Verified:			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:	Size: Part number:	
				Wire, 2C TS, 28 AWG, UL2651, 300V, 105C, 2.5 mm, VW-1, PVC, red and black	A 30-00810	
				Scale: 20:1	 	Sheet 1 of 1