Ratings

Voltage: 300 V

Temperature: -10 to 105 °C Flammability: VW-1

Conductor

Conductor count: 2 Gauge: 26 AWG 0.14 mm² Material: tinned copper strands Strand size: Ø 0.16 mm x 7

Outer jacket Material: PVC/38P Color: red and black

Diameter: $2.7 \pm 0.20 \text{ mm} (1.35 \pm 0.1 \times 2)$

Nominal thickness: 0.40 mm

Electrical requirements Voltage test: 300 V Spark test: 3.0 kV

Conductor maximum resistance at 20 °C: 150 ohms/km Jacket resistance at 20 °C: 10 Mohms/km Dielectric test: 2000 Vac for 1 minute with no breakdown

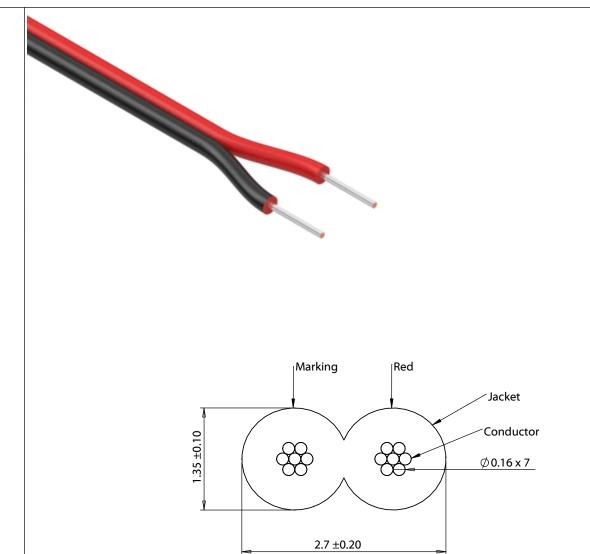
Mechanical requirements

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



Revision:	Date:	Description:	Prepared:	Notes:			
Α	10/25/2016	Initial release	AG Digitally signed by AG Date: 2017.10.20 11:57:58 -07'00'	RoHS and REACH compliant		ENSILITY	
			Verified: GL Digitally signed by GL Date: 2017:10.23 16:45:55-0700' Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Function test: no open, no short circuit, no intermittent	te	tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com	
				Description: Wire, 2C TS, 26 AWG, UL2651, 300V, 105C, 2.7 mm, VW-1, PVC, red and black	Size: Part number: A 30-00807		
					Scale:	20:1 Sheet 1 of 1	

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