

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Ratings

Voltage: 300 V

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

Conductor

Conductor count: 2 Gauge: 18 AWG 0.82 mm² Material: tinned copper strands Strand size: Ø 0.18 mm x 34

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

Diameter: $4.4 \pm 0.30 \text{ mm} (2.2 \pm 0.15 \times 2)$

Nominal thickness: 0.38 mm

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

Conductor maximum resistance at 20 °C: 23.2 ohms/km Jacket resistance at 20 °C: 10 Mohms/km Dielectric test: 2000 Vac for 1 minute with no breakdown

Mechanical requirements

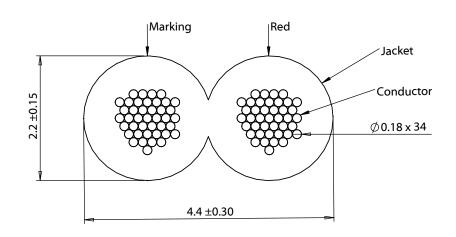
Jacket tensile strength: 1.05 kgf/mm² After aging at 136±2 °C for 7 days:

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





Revision:	Date:	Description:	Prepared:	Notes:					
Α	9/2/2016	Initial release	GL Digitally signed by GL Date: 2017.10.05 15:29:00 -07'00'	RoHS and REACH compliant			Fľ	NSII	ITY
A1	12/6/2016	Changed to UL 2651	Verified: AG Digitally signed by AG Date: 2017.10.20 10:56:23-07'00'	Function test: no open, no short circuit, no intermittent Description: Wire, 2C TS, 18 AWG, UL2651, 300V, 105C, 4.4 mm, VW-1, PVC, red and black		tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com			
			Dimensions are in millimeters.						
			Tolerances: X: ± 0.5 mm			Size: Part number: A 30-00795			
			X.X: ± 0.3 mm X.XX: ± 0.05 mm	VW-1, FVC, leg and black		Scale:	15:1		Sheet 1 of 1