

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!



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Ratings

Voltage: 300 V

Temperature: -10 ~ 80 °C

Conductor

Gauge: 18 AWG

Material: tinned copper strands Strand size: Ø 0.16 mm

Strand count: 41

Outer jacket

Material: PVC, 80 °C Color: white Thickness: 0.38 mm

Diameter: 4.4 ±0.20 mm (2.2x4.4)

Durometer: 87 Shore A

Wire marking: E339579 **%** AWM STYLE 2468 18 AWG 80°C 300V VW-1 - - - C **%** AWM I A 80°C 300V FT1 TENSILITY

Tests

Voltage test: 300 V Spark test: 3.0/4.0 kV

Max resistance at 20 °C: 23.2 ohm/km

Jacket tensile strength: 1.05 kgf/mm²

After aging at 113 ±2 °C for 7 days:

Minimum tensile strength 70 % original

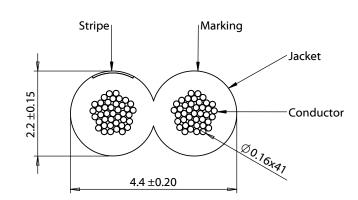
Minimum elongation 65 % original

Heat shock: 121 ±1 °C /1 hour, no observed degradation

Deformation: 121 ± 1 °C /1 hour, ≤ 50 % Cold bend: -10 ± 1 °C /1 hour, no observed cracking Flammability: VW-1

Dielectric test: 2000 V ac for 1 minute without breakdown





| REVISION A | 7/09/2014 | DESCRIPTION Initial release | PREPARED: 2016.01.13 12:05:44 -08'00' | NOTES: RoHS and REACH compliant Electrical test: no open, no short circuit, no intermittent | | 20802 Sockeye Place #130 Bend, OR 97701 USA tel 541.323.3228 fax 541.323.4202 800 877.670.7118 www.tensility.com | | | |
|---------------|-------------|------------------------------|--|---|--|--|------|--|--|
| A1 | 1/08/2016 C | Corrected tolerances | VERIFIED: AG 2016.01.22 12:39:06-08'00' DIMENSIONS ARE IN MILLIMETERS TOLERANCES: X: ±0.5 mm X.X: ±0.3 mm X.XX: ±0.05 mm | | | | | | |
| | | | | DESCRIPTION: | ire, 2C TS, 18 AWG, UL2468, 300V, 80C, 4.4 mm, | | SIZE | | |

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