## imall

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 ~ 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: black 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 N AWM A 80°C 300V FT1 TENSILITY Tests Voltage test: 300 V Spark test: 3.0/4.0 kV Stripe Marking Max resistance at 20 °C: 23.2 ohm/km Jacket tensile strength: 1.05 kgf/mm<sup>2</sup> After aging at 113 $\pm$ 2 °C for 7 days: Jacket Minimum tensile strength 70 % original Minimum elongation 65 % original ±0.15 Heat shock: $121 \pm 1 \degree C / 1$ hour, no observed degradation Deformation: $121 \pm 1 \degree C / 1 \text{ hour}, \le 50 \%$ Cold bend: $-10 \pm 1$ °C /1 hour, no observed cracking 2 Conductor Flammability: VW-1 ~i Dielectric test: 2000 V ac for 1 minute without breakdown Ø.16441 4.4 ±0.20 PREPARED: NOTES: **REVISION** DATE DESCRIPTION TENSILITY 2016.01.26 **RoHS and REACH compliant** GL 08:29:11 А 06/26/2014 Initial release -08'00' Electrical test: no open, no short circuit, no VERIFIED: 20802 Sockeye Place #130 intermittent A1 1/08/2016 Corrected tolerances Bend, OR 97701 USA 2016.01.27 AG 15:40:35 -08'00' tel 541.323.3228 fax 541.323.4202 800 877.670.7118 www.tensility.com DIMENSIONS ARE IN MILLIMETERS DESCRIPTION: SIZE | PART NUMBER Wire, 2C TS, 18 AWG, UL2468, 300V, 80C, 4.4 mm, TOLERANCES: А 30-00395 VW-1, PVC, 87A X: ± 0.5 mm X.X: ± 0.3 mm SCALE: 10:1 WEIGHT: SHEET 1 OF 1 X.XX: ± 0.05 mm 3 2 5 4 1