

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: -20 ~ 80 °C

Conductor

Gauge: 18 AWG

Material: tinned copper strands Strand size: Ø 0.16 mm

Strand count: 41

Insulator

Material: PVC, 80 °C Color: white

Nominal thickness: 0.38 mm Outer diameter: 2.05 ±0.10 mm

Shield

Type: spiral

Material: tinned copper strands

Strand size: Ø 0.16 mm

Strand count: 41

Outer jacket

Material: PVC, 80 °C Durometer: 79 Shore A

Color: black

Thickness: 0.38 mm Diameter: 3.4 ±0.10 mm

Wire marking: E339579 🤼 AWM STYLE 1185 18AWG 80°C 300V VW-1 --- CN AWM I A 80°C 300V FT1 TENSILITY HLE

Tests

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

Max resistance at 20 °C: 23.2 ohm/km 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 %

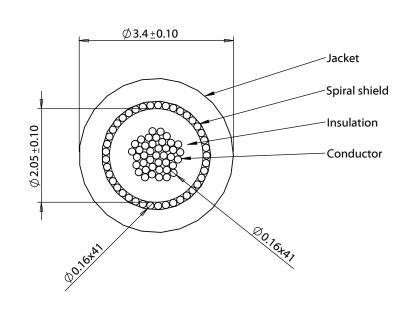
Cold bend: -10 ± 1 °C/1 hour, no observed cracking

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Flammability: VW-1

Dielectric test: 2000 V ac for 1 minute without breakdown





REVISION A	DATE 06/20/2014	DESCRIPTION Initial release	PREPARED: AG 2014.06.20 11:49:03 -07'00'	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			
			VERIFIED: JM 2014.06.24 09:12:17 -07'00' DIMENSIONS ARE IN						
			MILLIMETERS TOLERANCES: X: ± 0.5 mm XXX: ± 0.3 mm	DESCRIPTION: Wire, 1C TS, 18 AWG, UL1185, 300V, 80C, 3.4 mm, shielded, VW-1, PVC, 79A	SIZE PART NUMBER A 30-00335 SCALE: 12:1 WEIGHT: SHEET 1 OF 1				
			X.XX: ± 0.05 mm			SCALE	:: 12:1	WEIGHT:	SHEET 1 OF 1

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