

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

Operating temperature: -20° to 80 °C

Conductor

Gauge: 18 AWG, 0.82 mm<sup>2</sup> Material: tinned copper strands Strand size: Ø 0.16 mm

Strand count: 41

Max resistance at 20 °C: 23.2  $\Omega$ /km

Insulator

Material: PVC Color: white

Outer diameter: 2.05 ±0.10 mm Min resistance at 20 °C: 10 M $\Omega$ /km

Shield

Type: spiral

Material: tinned copper strands

Strand size: Ø 0.16 mm Strand count: 41 ±2

**Outer iacket** 

Material: TPU, 80 °C

Type: extruded, non-integral

Color: gray

Diameter: 4.0 ±0.20 mm

**Wire marking**: E339579 **%** AWM STYLE 10846 80°C 300V VW-1 - - - C **%** AWM I/II A 80°C 300V FT1 TENSILITY

Tests

Voltage test: 300 V Spark test: 3.0 kV

Tensile strength: 1.05 kgf/mm<sup>2</sup> After aging at 113 ±2 °C for 7 days: Minimum tensile strength 70 % original

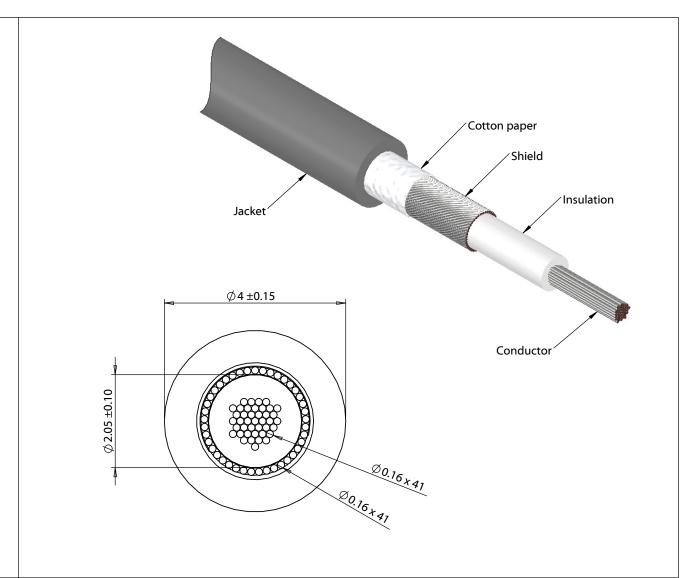
Minimum elongation 65 % original Heat shock: 121 ±1 °C /1 hour, no observed degradation

Deformation:  $121 \pm 1$  °C /1 hour,  $\le 50$  % Cold bend:  $-10 \pm 1$  °C /1 hour, no observed cracking

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Flammability: FT1, VW-1

Dielectric test: 1500 V ac for 1 minute without breakdown



REVISION	DATE	DESCRIPTION	PREPARED:	NOTES	_			<b>T</b> \/	
Α	9/3/2015	Initial release	GL 2016.03.11 10:17:57 -08'00'	ROHS and REACH compliant		TENSILITY  20802 Sockeye Place #130 Bend, OR 97701 USA tel 541.323.3228 fax 541.323.4202			
A1	9/14/2015	Upgraded fire rating to VW-1/FT1	VERIFIED:  Distably signed by 75 Distably si	Function test: no open, no short circuit, no intermittent  Drawing in third angle projected	Ben				
A2	3/10/2016	Updated operating temperature range	DIMENSIONS ARE IN MILLIMETERS	Drawing in third angle projected	800 877.670.7118 www.tensility.com				
				DESCRIPTION: Wire, 1C TS, 18 AWG, UL10846, 300V, 80C, 4.0 mm, shielded, VW-1, TPU, gray	SIZE	PART NUMBER 30-00560			
			TOLERANCES: X: <u>+</u> 0.5 mm X.X: + 0.3 mm		A				
			X.XX: ± 0.311111 X.XX: ± 0.05 mm		SCALI	E: 12:1		SHEET 1 OF 1	

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