



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

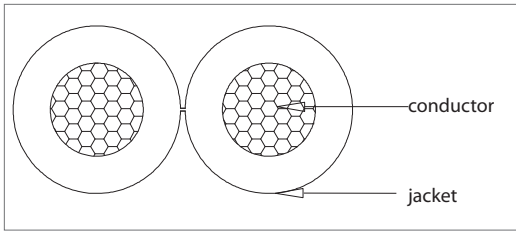
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**Wire cross section:**



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

**Cable specifications:**

conductors

gauge (AWG)	18
material	bare copper
cord size (strands)	41 x 0.16

jacket

material	80°C, 48P, PVC
color	black
diameter (mm)	4.4 ± 0.10

electrical properties

rated voltage (V)	300
rated temperature (°C)	80
rated current (A)	7
insulator resistance (Ohm/Kft)	2.5
operating temperature (°C)	-10 ~ +80
resistance at 20° C (Ohm/Km) max	23.2
spark test (Kv)	3.0/4.0
humidity rating	<75%

physical characteristics

material		insulation
unaged	tensile strength (kgf/mm <sup>2</sup> min)	1.05
	elongation (% min)	100
aging test	condition	113 °C/168 h
	elongation (% unaged min)	65
	tensile strength (% unaged min)	70
cold bend (-10 ± 1° C, 1 hour)		no observed cracking
heat shock (121 ± 1° C, 1 hour)		no distortion
deformation (121 ± 1° C x 1 hour)		≤50%
flammability rating		VW-1

**tolerance X: ±0.5 mm .X: ±0.3 mm .XX: ±0.05 mm**  
 applicable unless otherwise indicated in specification or on drawings

<b>Initial</b>	<b>Date</b>
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**Revision notes:**

Rev	Date	Description
A	September 27, 2010	initial release
A1	August 13, 2012	added operating temperature
A2	October 29, 2012	added humidity rating
A3	February 19, 2013	added rated current

**Specification Approval**

Spec sign-off verifies that you have reviewed the entire specification, tested a sample of the product, and confirm that it meets your requirements. This specification reflects the part as it will be ordered. Orders will not be processed until the specification pages have been initialed and the approval page has been signed. This specification is confidential and is not to be transmitted without prior approval from Tensility.

Signature \_\_\_\_\_ Title \_\_\_\_\_  
 Name \_\_\_\_\_ Date \_\_\_\_\_  
 Company \_\_\_\_\_ Branch \_\_\_\_\_