



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 to 105 °C
 Flammability: VW-1

Conductor

Conductor count: 2
 Gauge: 16 AWG 1.32 mm²
 Material: tinned copper strands
 Strand size: Ø 0.25 mm x 26

Outer jacket

Material: PVC/38P
 Color: black
 Diameter: 4.8 ±0.30 mm (2.4±0.15 x 2)
 Nominal thickness: 0.44 mm

Electrical requirements

Voltage test: 300 V
 Spark test: 3.0 kV
 Conductor maximum resistance at 20 °C: 14.6 ohms/km
 Jacket resistance at 20 °C: 10 Mohms/km
 Dielectric test: 2000 Vac for 1 minute with no breakdown

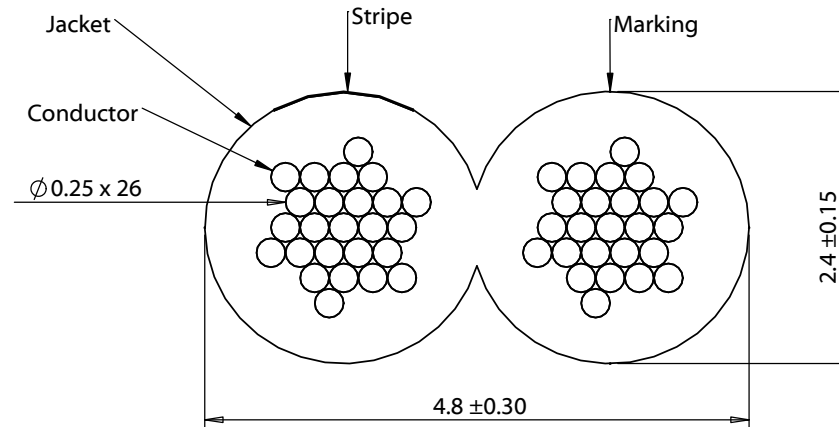
Mechanical requirements

Jacket tensile strength: 1.05 kgf/mm²
 After aging at 136±2 °C for 7 days:
 Minimum tensile strength 70% original
 Minimum elongation 65% original

Environmental requirements

Heat shock: 136±1 °C/1 hour, no observed degradation
 Deformation: 136±1 °C/1 hour, ≤50%
 Cold bend: -10±2 °C/1 hour, no observed cracking

Wire marking: E339579 UL AWM STYLE 2651 16 AWG 105°C 300V VW-1 --- cUL AWM I A 105°C 300V FT1 TENSILITY



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	12/05/2016	Initial release	GL <small>Digitally signed by GL Date: 2017.10.05 11:52:07 -07'00'</small>	RoHS and REACH compliant	
			Verified:	Function test: no open, no short circuit, no intermittent	Size: Part number: A 30-00790
			AG <small>Digitally signed by AG Date: 2017.10.20 10:09:16 -07'00'</small>	Description: Wire, 2C TS, 16 AWG, UL2651, 300V, 105C, 4.8 mm, VW-1, PVC	
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Scale: 15:1	Sheet 1 of 1