



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 to 105 °C  
 Flammability: VW-1

**Conductor**

Conductor count: 2  
 Gauge: 22 AWG 0.34 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size: Ø 0.16 mm x 17

**Outer jacket**

Material: PVC/38P  
 Color: black  
 Diameter: 3.6 ±0.30 mm (1.8 ±0.15 x 2)  
 Nominal thickness: 0.49 mm

**Electrical requirements**

Voltage test: 300 V  
 Spark test: 3.0 kV  
 Conductor maximum resistance at 20 °C: 59.4 ohms/km  
 Jacket resistance at 20 °C: 10 Mohms/km  
 Dielectric test: 2000 Vac for 1 minute with no breakdown

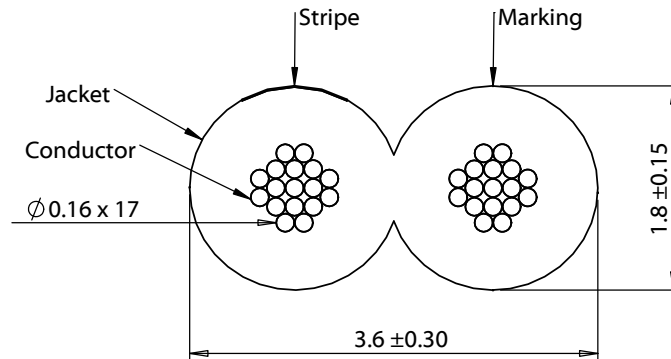
**Mechanical requirements**

Jacket tensile strength: 1.05 kgf/mm<sup>2</sup>  
 After aging at 136±2 °C for 7 days:  
 Minimum tensile strength 70% of original  
 Minimum elongation 65% of 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 22 AWG 105°C  
 300V VW-1 --- cUL AWM I A 105°C 300V FT1 TENSILITY



Revision:	Date:	Description:
A	12/06/2016	Initial release

Prepared: **GL**  
Digitally signed by GL  
 Date: 2017.10.05  
 16:37:00 -07'00'

Verified: **AG**  
Digitally signed by AG  
 Date: 2017.10.20  
 11:11:41 -07'00'

Dimensions are in millimeters.  
 Tolerances:  
 X: ± 0.5 mm  
 X.X: ± 0.3 mm  
 X.XX: ± 0.05 mm

Notes:  
 RoHS and REACH compliant

Function test: no open, no short circuit, no intermittent

Description:  
 Wire, 2C TS, 22 AWG, UL2651, 300V, 105C, 3.6 mm, VW-1, PVC

# TENSILITY

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Size: A Part number: 30-00799

Scale: 15:1 Sheet 1 of 1