



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Ratings

Voltage: 300 V
 Temperature: -10 to 105 °C
 Flammability: VW-1

Conductor

Conductor count: 2
 Gauge: 18 AWG 0.82 mm²
 Material: tinned copper strands
 Strand size: $\varnothing 0.18 \times 34$

Outer jacket

Material: PVC/38P
 Color: black
 Diameter: 4.4 ± 0.30 mm ($2.2 \pm 0.15 \times 2$)
 Nominal thickness: 0.47 mm

Electrical requirements

Voltage test: 300 V
 Spark test: 3.0 kV
 Conductor maximum resistance at 20 °C: 23.2 ohms/km
 Jacket resistance at 20 °C: 10 Mohms/km
 Dielectric test: 2000 Vac for 1 minute with no breakdown

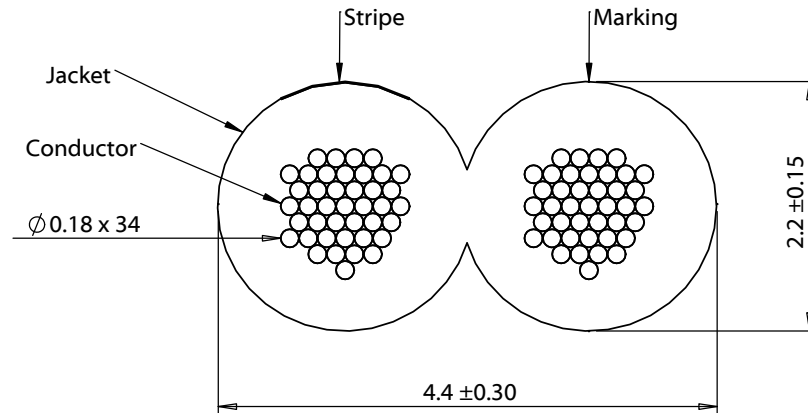
Mechanical requirements

Jacket tensile strength: 1.05 kgf/mm²
 After aging at 136 ± 2 °C for 7 days:
 Minimum tensile strength 70% 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, $\leq 50\%$
 Cold bend: -10 ± 2 °C/1 hour, no observed cracking

Wire marking: E339579 UL AWM STYLE 2651 18 AWG 105°C 300V VW-1 --- cUL AWM I A 105°C 300V FT1 TENSILITY



Revision:	Date:	Description:
A	12/6/2016	Initial release

Prepared: **GL**
Digitally signed by GL
 Date: 2017.10.05
 15:09:54 -07'00'

Verified: **AG**
Digitally signed by AG
 Date: 2017.10.20
 10:22:43 -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, 18 AWG, UL2651, 300V, 105C, 4.4 mm, VW-1, PVC

TENSILITY

tel 1.541.323.3228 800 877.670.7118
 fax 1.541.323.4202 web tensility.com

Size: A Part number: 30-00793

Scale: 15:1 Sheet 1 of 1