



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: 28 AWG 0.09 mm²
 Material: tinned copper strands
 Strand size: Ø 0.13 mm x 7
 Max resistance at 20 °C: 239 ohm/km

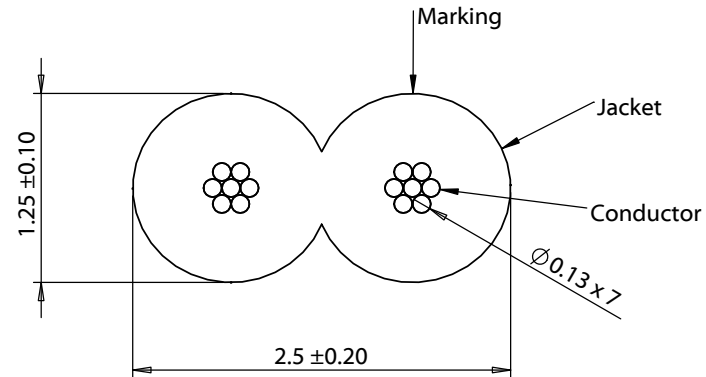
Outer jacket

Material: PVC
 Color: red and black
 Diameter: 2.5 ±0.20 mm (1.25x2.5)
 Nominal thickness: 0.38 mm

Wire marking: E339579 UL AWM STYLE 2651 28 AWG 105°C
 300V VW-1 --- cUL AWM I/II A 105°C 300V FT1 TENSILITY

Tests

Voltage test: 300 V
 Spark test: 3.0 kV
 Insulation tensile strength: 2.11 kgf/mm²
 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
 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
 Dielectric test: 2000 Vac for 1 minute without breakdown



Revision:	Date:	Description:
A	10/26/2016	Initial release

Prepared: **AG**
Digitally signed by AG
 Date: 2016.10.26
 09:29:32 -07'00'

Verified: **DN**
Digitally signed by DN
 Date: 2016.10.26
 13:28:49 -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, 28 AWG, UL2651, 300V, 105C, 2.5 mm, VW-1, PVC, red and black

TENSILITY

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Size: A Part number: 30-00810

Scale: 20:1

Sheet 1 of 1