



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: 80 °C
 Flammability: VW-1, FT1

Conductor

Conductor count: 2
 Gauge: 18 AWG, 0.82 mm²
 Material: tinned copper strands
 Stranding: $\phi 0.16 \times 41$
 Resistance at 20 °C: 24 ohm/km maximum

Insulator

Material: SRPVC, 80 °C
 Color: black, red
 Outer diameter: $\phi 1.8 \pm 0.10$ mm
 Thickness: 0.23 mm minimum average
 Style: UL 1061

Outer jacket

Material: PVC, 80 °C
 Color: black
 Diameter: $\phi 5.2 \pm 0.20$ mm
 Thickness: 0.76 mm minimum average

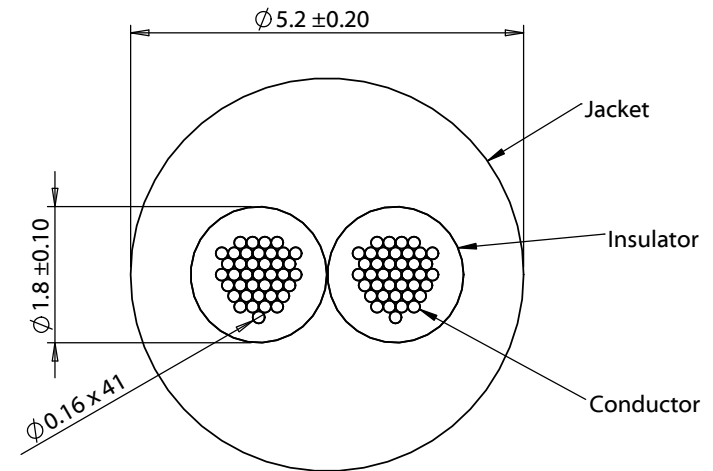
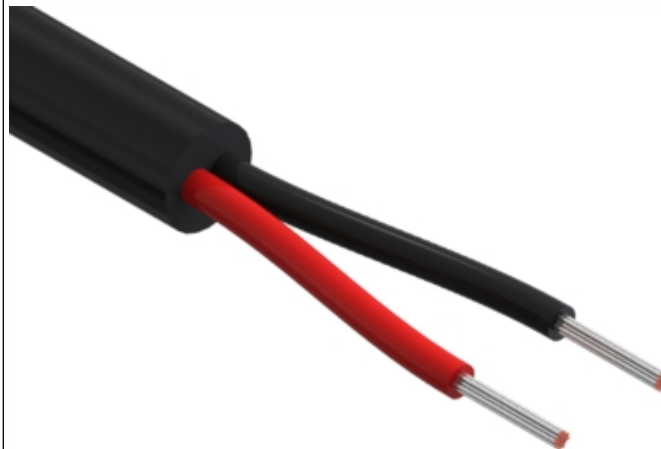
Wire marking: E339579 UL AWM STYLE 2464 18AWG 80°C 300V VW-1 --- cUL AWM I A 80°C 300V FT1 TENSILITY

Tests

Tensile strength: 1.05 kgf/mm²
 After aging at 113 ± 2 °C for 7 days:
 Minimum tensile strength 70 % original
 Minimum elongation 65 % original
 Flexibility: no observed cracking
 Heat shock: 121 ± 1 °C /1 hour, no observed degradation
 Deformation: 121 ± 1 °C /1hour, ≤ 50 %
 Cold bend: -10 ± 2 °C /1 hour, no observed cracking
 Dielectric: 2000 Vac for 1 minute without breakdown

Use:

Internal wiring or external interconnection of electronic equipment



REVISION	DATE	DESCRIPTION
A	1/22/2016	Initial release

PREPARED:
AG 2016.01.22 08:22:38 -08'00'

VERIFIED:
LA Digitally signed by LA DN: cn=LA, ou=Tensility, ou=Engineering, email=LA002@Tensility.com, c=US Date: 2016.01.22 15:48:59 -0800

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

Meets UL appliance wiring standard 758

DESCRIPTION:
 Wire, 2C TS, 18 AWG, UL2464, 300V, 80C, 5.2 mm, VW-1, PVC

TENSILITY

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SIZE A	PART NUMBER 30-00683
SCALE: 12:1	SHEET 1 OF 1