



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: 6  
 Gauge: 24 AWG, 0.22 mm<sup>2</sup>  
 Material: tinned copper strands  
 Stranding:  $\phi 0.16 \times 11$   
 Resistance at 20 °C: 95 ohm/km maximum

**Insulator**

Material: SRPVC, 80 °C  
 Color: black, white, red, yellow, blue, green  
 Outer diameter:  $\phi 1.2 \pm 0.10$  mm  
 Thickness: 0.23 mm minimum average  
 Style: UL 1061

**Outer jacket**

Material: PVC, 80 °C  
 Color: gray  
 Diameter:  $\phi 4.9 \pm 0.30$  mm  
 Thickness: 0.76 mm minimum average

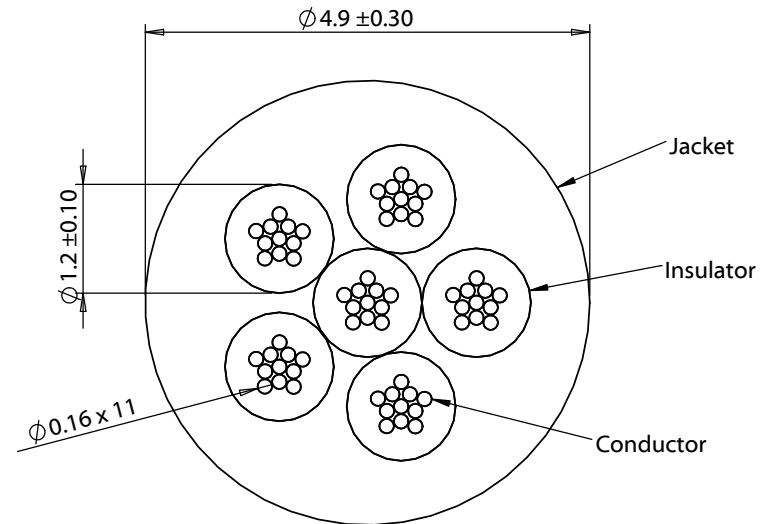
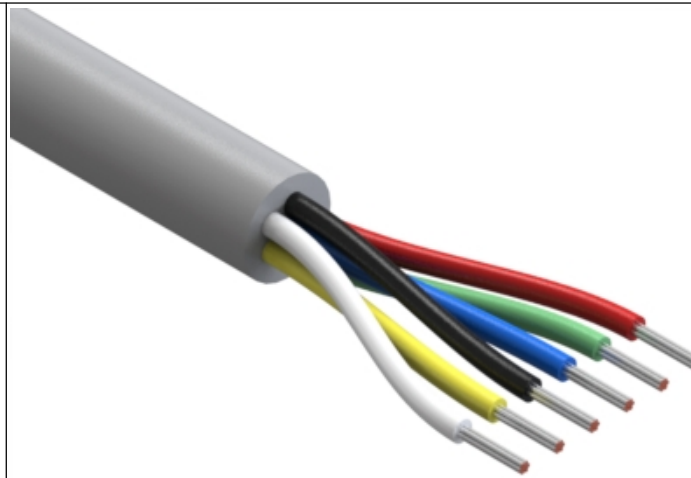
**Wire marking:** E339579 UL AWM STYLE 2464 24AWG 80°C 300V VW-1 --- cUL AWM I A 80°C 300V FT1 TENSILITY

**Tests**

Tensile strength: 1.05 kgf/mm<sup>2</sup>  
 After aging at 113  $\pm 2$  °C for 7 days:  
 Minimum tensile strength 70 % original  
 Minimum elongation 65 % original  
 Flexibility: no observed cracking  
 Heat shock: 121  $\pm 1$  °C /1 hour, no observed degradation  
 Deformation: 121  $\pm 1$  °C /1hour,  $\leq 50$  %  
 Cold bend: -10  $\pm 2$  °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	10/13/2015	Initial release
A1	1/26/2016	Updated stranding and dimensions

PREPARED:  
**AG** 2016.01.26 07:58:51 -08'00'

VERIFIED:  
**LA** Digitally signed by LA, DN: cn=LA, o=Tensility, ou=Engineering, email=LA@2016.tensility.com, c=US Date: 2016.01.26 16:50:41 -0800

DIMENSIONS ARE IN MILLIMETERS

TOLERANCES:  
 X:  $\pm 0.5$  mm  
 X.X:  $\pm 0.3$  mm  
 X.XX:  $\pm 0.05$  mm

NOTES  
 RoHS and REACH compliant

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

Meets UL appliance wiring standard 758

DESCRIPTION:  
 Wire, 6C TS, 24 AWG, UL2464, 300V, 80C, 4.9 mm, VW-1, PVC, gray

**TENSILITY**

20802 Sockeye Place #130  
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SIZE A	PART NUMBER 30-00509
SCALE: 1:1	SHEET 1 OF 1