



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: 20 AWG, 0.52 mm<sup>2</sup>  
Material: tinned copper strands  
Stranding:  $\phi$ 0.16 x 26  
Resistance at 20 °C: 37 ohm/km maximum

**Insulator**

Material: SRPVC, 80 °C  
Color: black, red  
Outer diameter:  $\phi$ 1.55  $\pm$ 0.10 mm  
Thickness: 0.23 mm minimum average  
Style: UL 1061

**Outer jacket**

Material: PVC, 80 °C  
Color: black  
Diameter:  $\phi$ 4.7  $\pm$ 0.20 mm  
Thickness: 0.76 mm minimum average

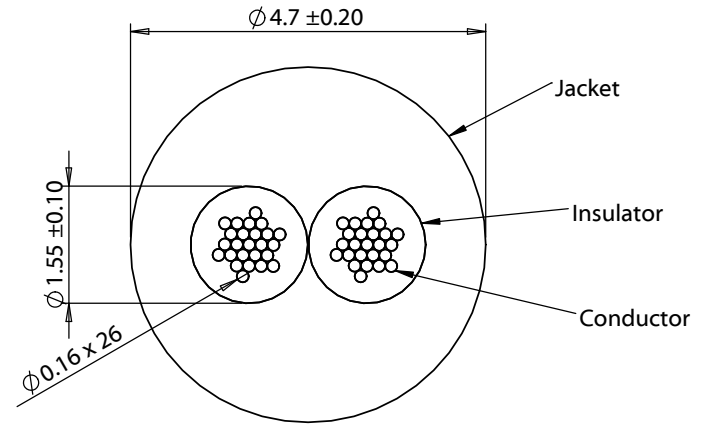
**Wire marking:** E339579 UL AWM STYLE 2464 20AWG 80°C  
300V VW-1 --- cUL AWM I A 80°C 300V FT1 TENSILITY

**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	1/22/2016	Initial release

PREPARED: <b>AG</b> 2016.01.22 08:27:35 -08'00'	NOTES RoHS and REACH compliant  Function test: no open, no short circuit, no intermittent  Meets UL appliance wiring standard 758
VERIFIED: <b>LA</b> Digitally signed by LA, DN: cn=LA, o=Tensility, ou=Engineering, email=LA@tensility.com, c=US Date: 2016.01.22 16:09:46 -08'00'	
DIMENSIONS ARE IN MILLIMETERS	
TOLERANCES: X: $\pm$ 0.5 mm X.X: $\pm$ 0.3 mm X.XX: $\pm$ 0.05 mm	
DESCRIPTION: Wire, 2C TS, 20 AWG, UL2464, 300V, 80C, 4.7 mm, VW-1, PVC	

# TENSILITY

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Bend, OR 97701 USA  
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SIZE A	PART NUMBER <b>30-00686</b>
SCALE: 12:1	SHEET 1 OF 1