



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: 9
 Gauge: 28 AWG, 0.089 mm²
 Material: tinned copper strands
 Stranding: $\varnothing 0.127 \times 7$
 Resistance at 20 °C: 240 ohm/km maximum

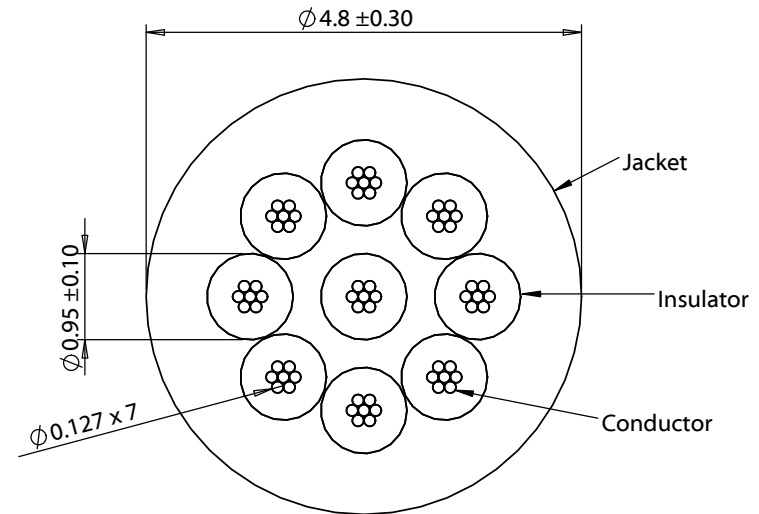
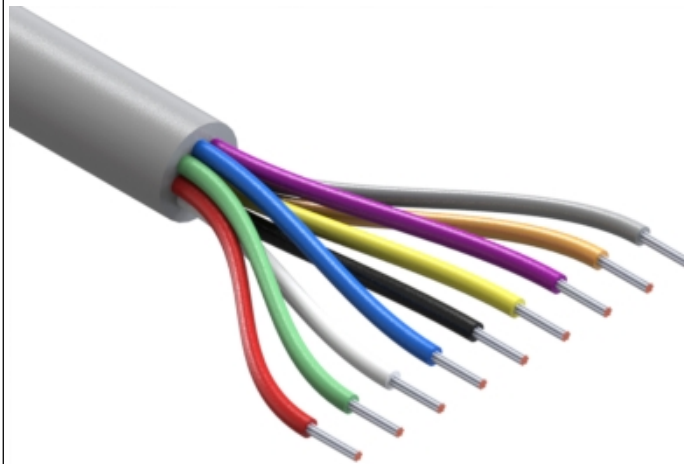
Insulator
 Material: SRPVC, 80 °C
 Color: black, white, red, yellow, blue, green, orange, purple, gray
 Outer diameter: $\varnothing 0.95 \pm 0.10$ mm
 Thickness: 0.23 mm minimum average
 Style: UL 1061

Outer jacket
 Material: PVC, 80 °C
 Color: gray
 Diameter: $\varnothing 4.8 \pm 0.30$ mm
 Thickness: 0.76 mm minimum average

Wire marking: E339579 UL AWM STYLE 2464 28AWG 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 /1 hour, ≤ 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	10/13/2015	Initial release
A1	1/26/2016	Updated dimensions

PREPARED:
AG 2016.01.26 13:40:44 -08'00'

VERIFIED:
LA Digitally signed by LA, DN: cn=LA, o=Tensility, ou=Engineering, email=LA@Tensility.com, c=US, Date: 2016.01.26 18:11:18 -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, 9C TS, 28 AWG, UL2464, 300V, 80C, 4.8 mm, VW-1, PVC, gray

TENSILITY

20802 Sockeye Place #130
 Bend, OR 97701 USA
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SIZE A	PART NUMBER 30-00530
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SCALE: 1:1 SHEET 1 OF 1