



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: -40 ~ 80 °C
 Flammability: FT2

Conductor

Conductor count: 6
 Gauge: 28 AWG 0.1 mm²
 Material: bare copper strands
 Strand size: Ø 0.08 mm x 19
 Max resistance at 20 °C: 223 Ω /km

Insulator

Material: TPE 85A
 Color: white, black, red, yellow, blue, green
 Diameter: Ø 0.85 ±0.10 mm
 Nominal thickness: 0.21 mm
 Minimum resistance @ 20 °C: 100 MΩ /km

Filler

Material: cotton rope

Shield

Type: braided
 Material: bare copper strands
 Stranding: 16/4/0.10 mm, 65% minimum coverage

Drain

Material: bare copper strands
 Stranding: Ø 0.08 x 19

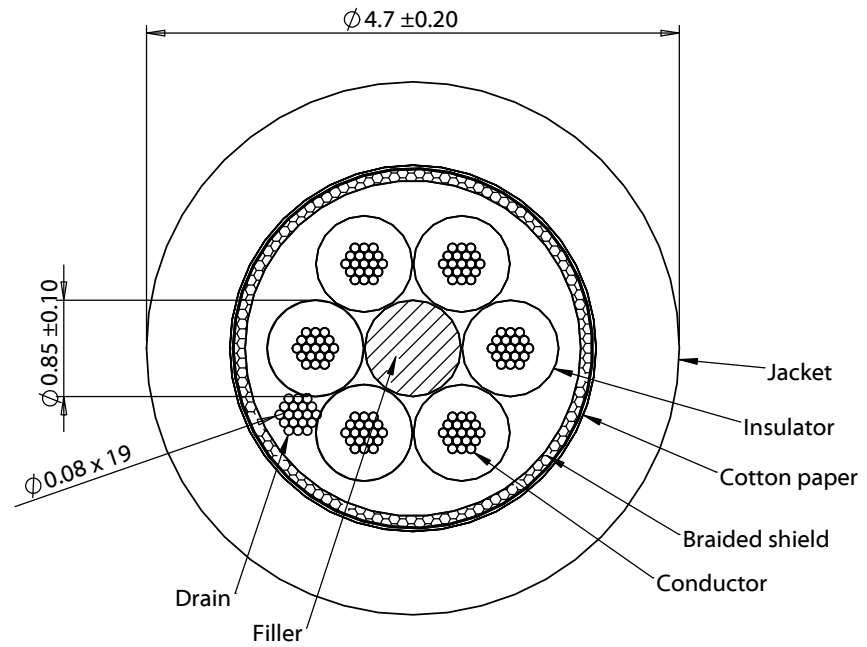
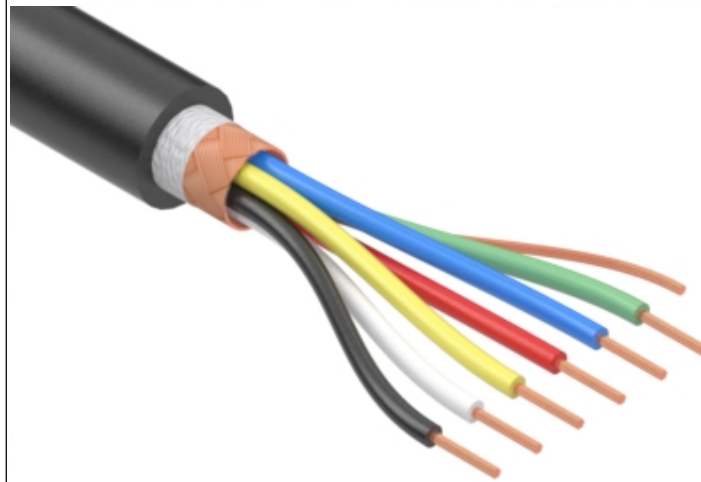
Outer jacket

Material: TPU (Polyether Polyurethane) 80A
 Color: black
 Diameter: Ø 4.7 ±0.20 mm
 Nominal thickness: 0.83 mm

Wire marking: E339579 UL AWM STYLE 20280 28 AWG 80°C
 300V --- cUL AWM I/II A 80 °C 300V FT2 TENSILITY

Tests

Voltage test: 300 V
 Spark test: 3.0 kV
 Insulation tensile strength: 0.562 kgf/mm²
 Jacket tensile strength: 1.05 kgf/mm²
 After aging at 113 ±2 °C for 7 days:
 Minimum jacket tensile strength 70 % original
 Minimum insulation tensile strength 75 % original
 Minimum jacket elongation 65 % original
 Minimum insulation elongation 75 % original
 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 test: 2000 Vac for 1 minute without breakdown



Revision:	Date:	Description:	Prepared:	Notes:	<h1>TENSILITY</h1> tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	3/27/2018	Initial release	AG <small>Digitally signed by AG Date: 2018.03.28 11:59:49 -07'00'</small>		
			Verified:	Function test: no open, no short circuit, no intermittent	Size:
			AW <small>Digitally signed by AW Date: 2018.04.19 09:11:13 -07'00'</small>	Description:	Part number:
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Wire, 6C BC, 28 AWG, UL20280, 300V, 80C, 4.7 mm, braided shield, FT2, TPU	A 30-00672
					Scale: 15:1
					Sheet 1 of 1