

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: 5 Gauge: 28 AWG 0.1 mm<sup>2</sup> Material: bare copper strands Strand size: Ø 0.08 mm x 19 Max resistance at 20 °C: 223  $\Omega$  /km

Insulator

Material: TPE 85A

Color: white, black, red, yellow, blue

Diameter:  $\emptyset$  0.85 ±0.10 mm Nominal thickness: 0.21 mm

Minimum resistance @ 20 °C:  $100 M\Omega / km$ 

Shield

Type: braided

Material: bare copper strands

Stranding: 16/4/0.10 mm, 65% minimum coverage

Material: bare copper strands Stranding:  $\emptyset$  0.08 x19

Outer jacket

Material: TPU (Polyether Polyurethane) 80A

Color: black

Diameter:  $\emptyset$ 4.5 ±0.20 mm Nominal thickness: 0.85 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

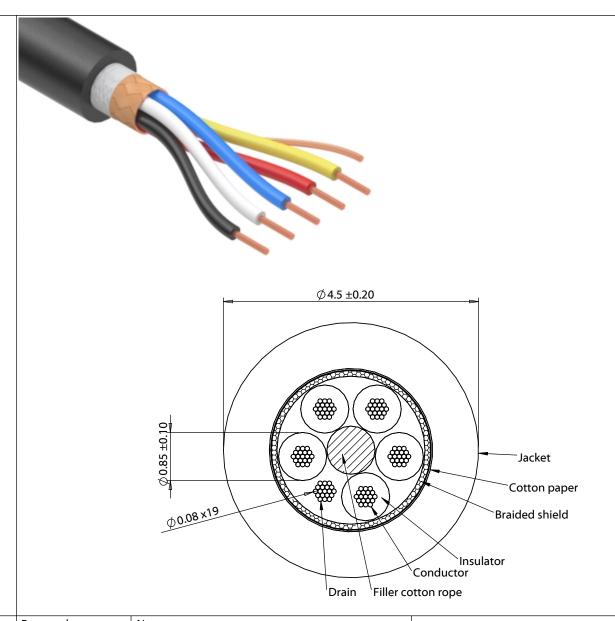
Insulation tensile strength: 0.562 kgf/mm<sup>2</sup> Jacket tensile strength: 1.05 kgf/mm<sup>2</sup> After aging at 113 ±2 °C for 7 days:

Minimum jacket tensile strength 70 % original Minimum insulation tensile strength 75 % original Minimum jacket elongation 65 % original

Minimum insulation elongation 75 % original Heat shock:  $121 \pm 1$  °C/1 hour, no observed degradation Deformation:  $121 \pm 1$  °C/1 hour,  $\le 50$  %

Cold bend: -10 ±2 °C /1 hour, no observed cracking Dielectric test: 2000 Vac for 1 minute without breakdown

**Use:** Internal wiring or external interconnection of electronic equipment.



Revision:	Date:	Description:	Prepared:	Notes:		
Α	3/27/2018	Initial release	AG  Digitally signed by AG Date: 2018.03.28 12:13:57-07'00'	RoHS and REACH compliant	ΙŢ	FNSII ITY
			Verified: AW  Digitally signed by AW Date: 2018.04.19 09:06:54 -07'00'	Function test: no open, no short circuit, no intermittent	tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com	
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm	Description: Wire, 5C BC, 28 AWG, UL20280, 300V, 80C, 4.5 mm	Size:	Part number: 30-00671
			X.X: ± 0.3 mm X.XX: ± 0.05 mm	braided shield, FT2, TPU	Scale:	

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