



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: 30 V  
 Temperature: -10° to 80° C  
 Flammability: VW-1, FT1

**Conductor**

Conductor count: 4 (1 twisted pair, 2 single conductors)  
 Gauge: 28 AWG (1P), 26 AWG (2C)  
 Material: tinned copper strands  
 Strand size:  $\phi 0.13 \times 7$  (1P),  $\phi 0.16 \times 7$  (2C)  
 Max resistance at 20 °C: 239  $\Omega$ /km (1P), 150  $\Omega$ /km (2C)

**Insulator**

Material: HD-PE (1P), SR-PVC/35P (2C)  
 Color: white, green (1P), black, red (2C)  
 Diameter:  $\phi 0.85 \pm 0.10$  mm (1P),  $\phi 1 \pm 0.10$  mm (2C)  
 Nominal thickness: 0.22 mm (1P), 0.24 mm (2C)  
 Resistance at 20 °C: 100 M $\Omega$ /km (1P), 10 M $\Omega$ /km (2C)

**Shield**

Type: foil + braided  
 Material: aluminum mylar, tinned copper strands  
 Stranding: 16/5/  $\phi 0.10$  mm  
 Coverage: 100% (foil), 65% minimum (braid)

**Drain**

Material: tinned copper strands  
 Stranding:  $\phi 0.16 \times 7$

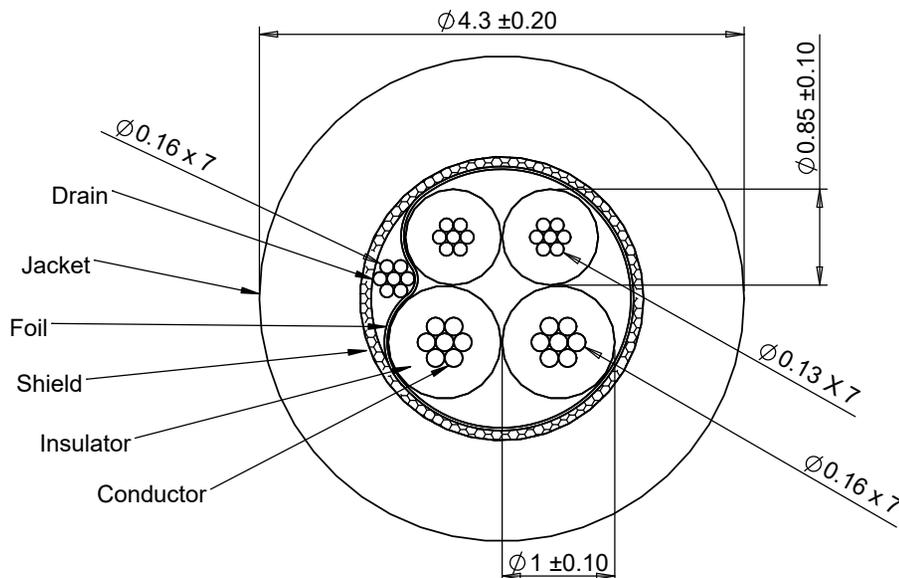
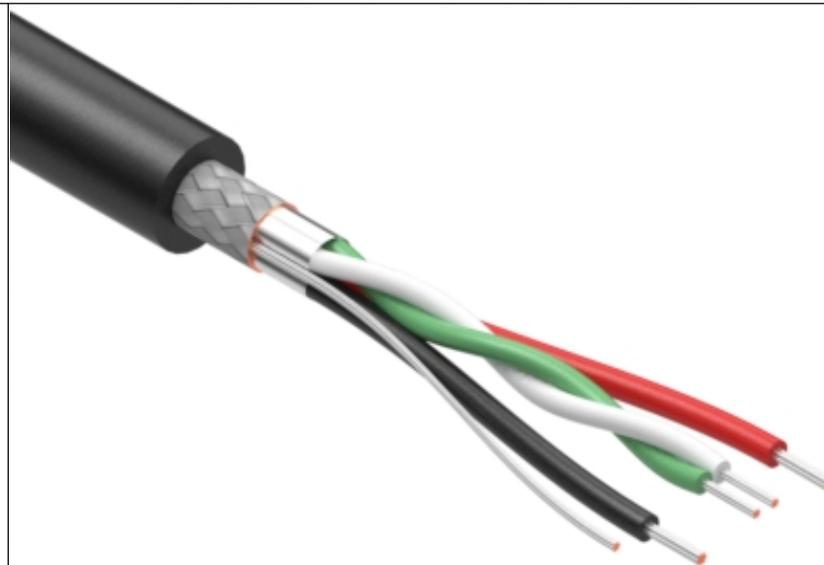
**Outer jacket**

Material: PVC/79A  
 Color: black  
 Diameter:  $\phi 4.3 \pm 0.20$  mm  
 Nominal thickness: 0.90 mm

**Wire marking:** E339579 UL AWM STYLE 2725  
 28AWG/1P+26AWG/2C 80°C 30V VW-1 - - - cUL AWM  
 28AWG/1P+26AWG/2C I/II A 80°C 300V FT1 HIGH SPEED  
 USB 2.0 TENSILITY

**Tests**

Jacket tensile strength: 1.05 kgf/mm<sup>2</sup>  
 HD-PE Insulator tensile strength: 1.69 kgf/mm<sup>2</sup>  
 SR-PVC Insulator tensile strength: 2.11 kgf/mm<sup>2</sup>  
 After aging at 113  $\pm 2$  °C for 7 days:  
 Minimum jacket tensile strength 70 % original  
 Minimum jacket elongation 65 % original  
 Minimum HD-PE insulator tensile strength 75 % original  
 Minimum HD-PE insulator elongation 75 % original  
 Minimum SR-PVC insulator tensile strength 70 % original  
 Minimum SR-PVC insulator elongation 70 % original  
 Heat shock: 121  $\pm 1$  °C /1 hour, no observed degradation  
 Deformation: 121  $\pm 1$  °C /1 hour,  $\leq 50$  %  
 Cold bend: -10  $\pm 2$  °C /4 hour, no observed cracking  
 Dielectric test: 1500 Vac for 1 minute without breakdown



Revision:	Date:	Description:	Prepared:	Notes:	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118                  fax 1.541.323.4202 web tensility.com</p>
A	12/22/2016	Initial release	DN <small>Digitally signed by DN                  Date: 2017.01.06                  13:52:07 -08'00'</small>	RoHS and REACH compliant	
			Verified: GL <small>Digitally signed by GL                  Date: 2017.01.10                  09:17:06 -08'00'</small>	Function test: no open, no short circuit, no intermittent	Size: Part number: A 30-00872
			Dimensions are in millimeters. Tolerances: X: $\pm 0.5$ mm X.X: $\pm 0.3$ mm X.XX: $\pm 0.05$ mm	Description: Wire, 4C, 1PR 28 AWG, 2C 26 AWG, UL2725, 30V, 80C, 4.3 mm, shielded, VW-1, PVC, 79A, USB 2.0	