



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!



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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 Ω /km (1P), 150 Ω /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 Ω /km (1P), 10 M Ω /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: $\phi 0.16 \times 7$

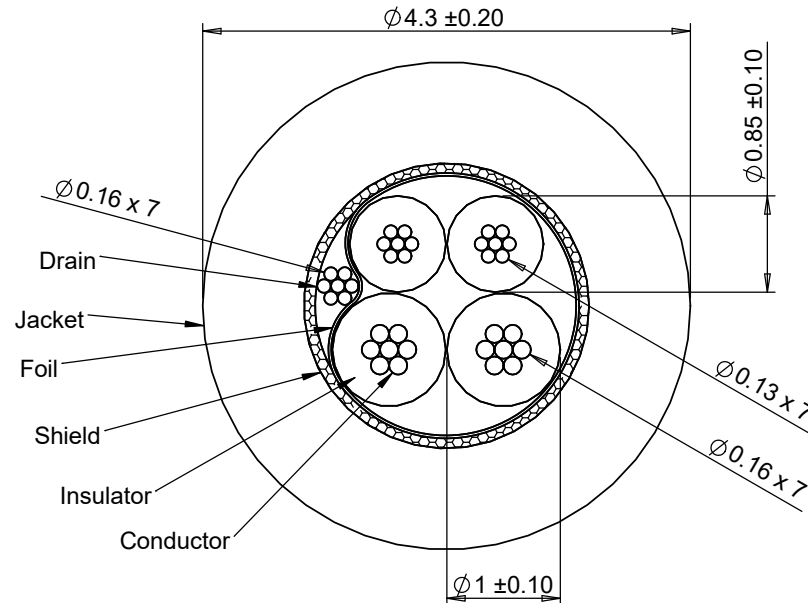
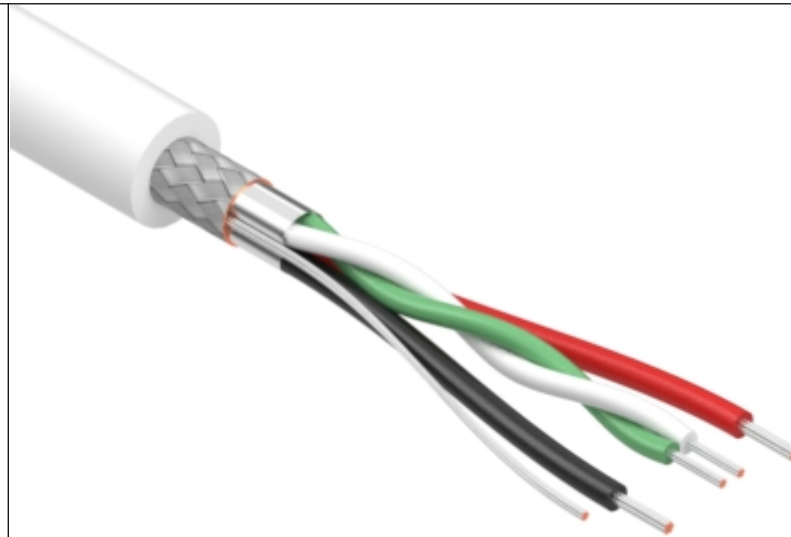
Outer jacket

Material: PVC/79A
 Color: white
 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/mm²
 HD-PE Insulator tensile strength: 1.69 kgf/mm²
 SR-PVC Insulator tensile strength: 2.11 kgf/mm²
 After aging at 113 ± 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 ± 1 °C /1 hour, no observed degradation
 Deformation: 121 ± 1 °C /1 hour, ≤ 50 %
 Cold bend: -10 ± 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 13:55:13 -08'00'</small>	RoHS and REACH compliant	
			Verified: GL <small>Digitally signed by GL Date: 2017.01.10 09:18:29 -08'00'</small>	Function test: no open, no short circuit, no intermittent	Size: Part number: A 30-00873
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 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, white	
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