



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: 80 °C
 Flammability: VW-1, FT1

Conductor

Count: 4 (1 twisted pair, 2 single conductors)
 Gauge: 28 AWG, 0.089 mm²
 Material: tinned copper strands
 Stranding: Ø 0.127 mm x 7
 Resistance at 20 °C: 240 ohm/km maximum

Insulator

Material: HDPE (white, green), PVC (red, black)
 Outer diameter: 0.85 ±0.10 mm
 Thickness: 0.23 mm minimum average

Outer jacket

Material: PVC, 80 °C
 Color: white
 Diameter: 3.6 ±0.30 mm
 Thickness: 0.42 mm average

Shield

Type: braid + foil
 Material: tinned copper strands, aluminum mylar
 Stranding: 16 x 4 x 0.10 mm
 Coverage: 100%

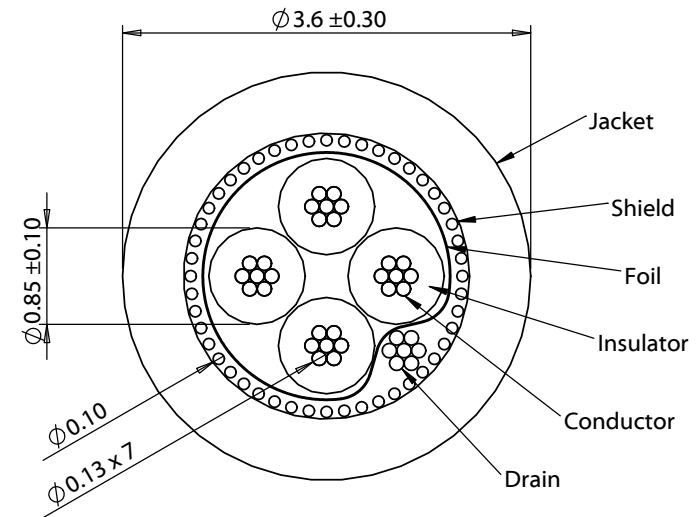
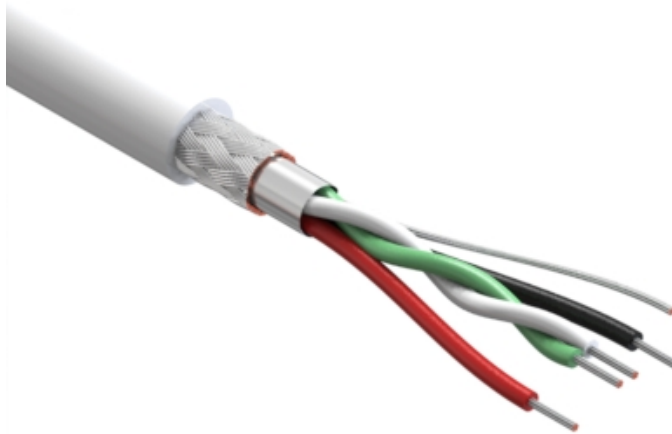
Drain

Stranding: tinned copper strands, Ø 0.127 mm x 7

Wire marking: E339579 UL AWM STYLE 2725 28AWG 80°C
 30V VW-1 cUL AWM I A 28AWG/1PR+28AWG/2C HIGH
 SPEED USB 2.0 REVISION TENSILITY

Tests

Tensile strength: 1.05 kgf/mm²
 After aging at 113 ±2 °C for 7 days:
 Minimum tensile strength 75 % original
 Minimum elongation 65 % original
 Heat shock: 121 ±1 °C /1 hour, no observed degradation
 Deformation: 121 ±1 °C /1hour, ≤ 50 %
 Cold bend: -10 ±2 °C /1 hour, no observed cracking
 Dielectric: 1500 Vac for 1 minute without breakdown



REVISION	DATE	DESCRIPTION
A	9/21/2011	Initial release
A1	8/19/2013	updated wire marking
A2	1/29/2014	corrected shield type
A3	10/21/2015	updated format and tolerances

PREPARED:

AG
 2015.10.21 12:09:49 -07'00'

VERIFIED:

GL
 2015.11.05
 17:04:37
 -08'00'

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, 4C, 1PR + 2C, 28 AWG, UL2725, 30V, 80C, 3.6 mm, shielded, VW-1, PVC, 79A, USB 2.0, white

TENSILITY

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SIZE
 A

PART NUMBER
 30-00099

SCALE: 1:1

SHEET 1 OF 1