

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: black
 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%

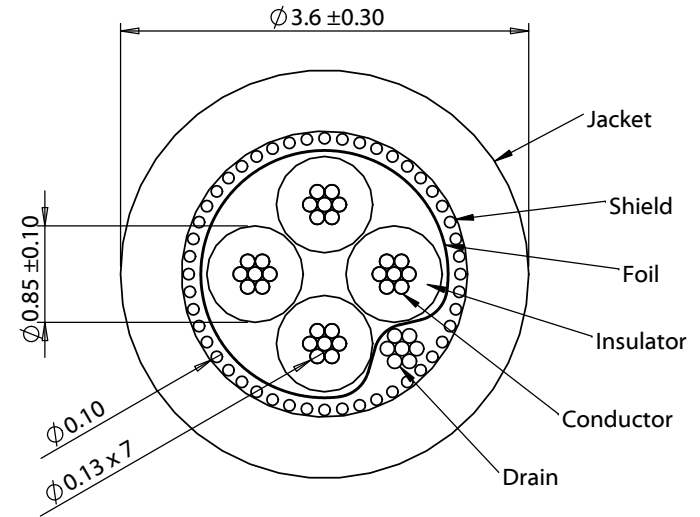
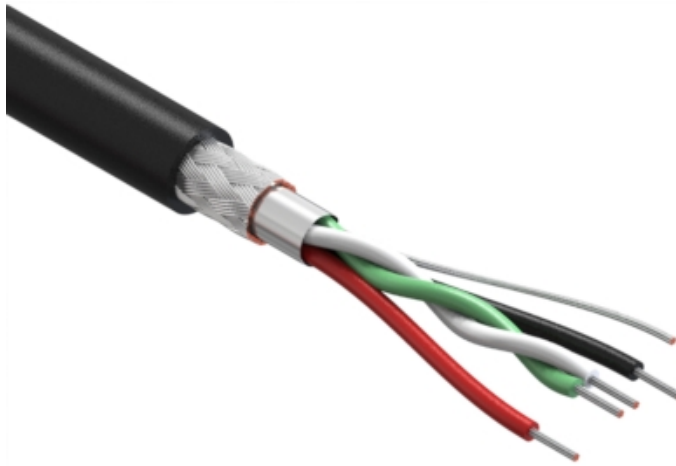
Drain

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	8/23/2011	Initial release
A1	8/19/2013	updated wire marking and diameter
A2	1/27/2014	corrected shield type
A3	10/21/2015	updated format and tolerances

PREPARED:

VERIFIED:

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

TENSILITY

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SIZE A	PART NUMBER 30-00088
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SCALE: 1:1

SHEET 1 OF 1