

Ratings

Temperature: -25°C~80°C
 Flammability: FT2

Twisted Pair (5PR)

Voltage: 30 V
 Gauge: 28 AWG 0.09 mm²
 Color: white/green, white/blue, white/orange, white/brown, white/purple
 Conductor: tinned copper strands, \varnothing 0.127 mm x 7
 Conductor resistance at 20 °C: 239 Ω /km max
 Insulation
 Material: foamed PE
 Diameter: \varnothing 0.85 \pm 0.10 mm
 Thickness: 0.23 mm nominal
 Resistance at 20 °C: 10 M Ω /km min
 Twisted pair characteristic impedance: 100 Ω

Power Wire (2C)

Voltage: 300V
 Gauge: 22 AWG 0.35 mm²
 Color: red (power), black (ground)
 Conductor: tinned copper strands, \varnothing 0.127 x 26
 Conductor resistance at 20 °C: 59.4 Ω /km max
 Insulation
 Material: SR-PVC, 90A
 Diameter: \varnothing 1.35 \pm 0.10 mm
 Thickness: 0.3 mm nominal
 Resistance at 20 °C: 10 M Ω /km min

Power marking: E339579 UL AWM STYLE 1061 80°C 300V --- cUL AWM I A 80°C 300V FT2 TENSILITY

Shield

Type: aluminum mylar + tinned copper braid
 Stranding: \varnothing 0.08 mm
 Coverage: 65% min braid, 100% foil

Drain

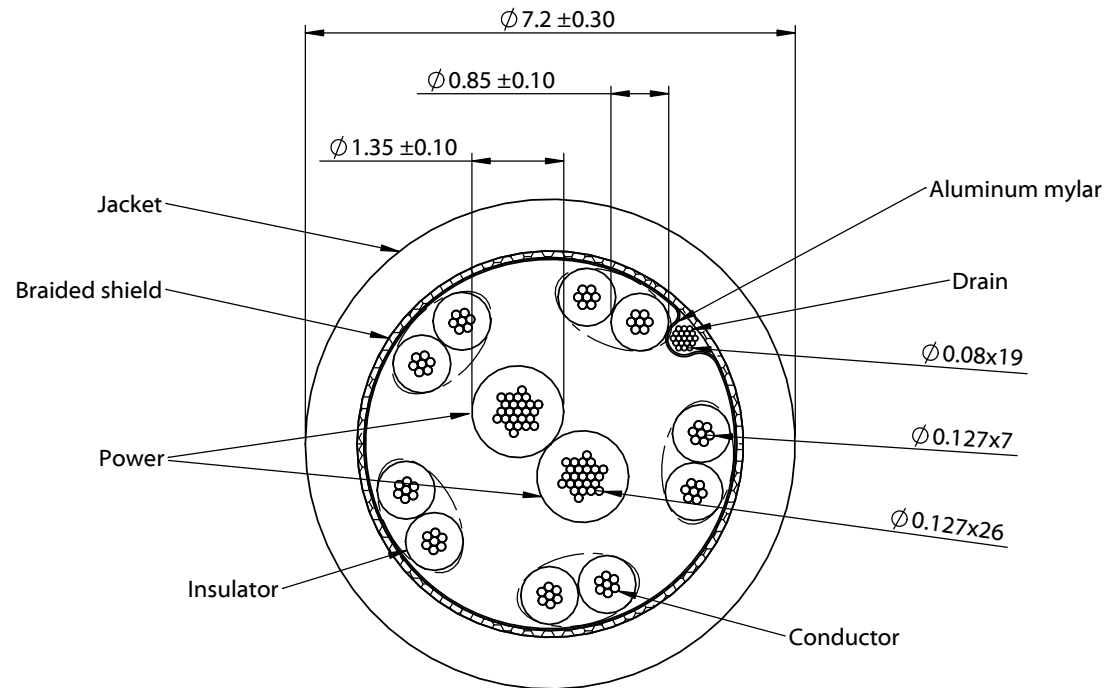
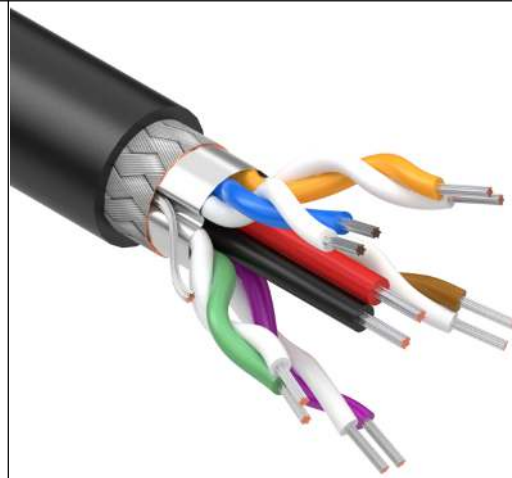
Stranding: \varnothing 0.08 mm x 19
 Material: tinned copper strands

Outer jacket

Material: PVC, 79A
 Color: black
 Style: round
 Diameter: \varnothing 7.2 \pm 0.30 mm
 Nominal thickness: 0.9 mm

Jacket marking: E339579 UL AWM STYLE 2725

28AWG/5P+22AWG/2C 80°C 30V --- cUL AWM I/II A 80°C 30V FT2 TENSILITY



Revision:	Date:	Description:
A	2/28/22	Initial release

Prepared: JD Digitally signed by JD Date: 2023.04.25 12:06:11 -07'00'
Verified: PB Digitally signed by PB Date: 2023.04.25 13:05:52 -07'00'
Dimensions are in millimeters. Tolerances: X: \pm 0.5 mm X.X: \pm 0.3 mm X.XX: \pm 0.05 mm

Notes: RoHS compliant
Function test: no open, no short circuit, no intermittent
Description: Wire, 5PR TS 28 AWG, 2C TS 22 AWG, UL2725, 30V, 80C, 7.2 mm, shielded, FT2, PVC

TENSILITY

tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com

Size: A	Part number: 30-02490
Scale: 9:1	Sheet 1 of 1