

Ratings

Temperature: -25~80°C
 Flammability: FT2

Twisted Pair (1PR)

Voltage: 30 V
 Gauge: 28 AWG 0.09 mm²
 Color: green/white
 Conductor: tinned copper strands, $\phi 0.127 \times 7$
 Conductor resistance at 20 °C: 239 Ω /km max
 Insulation
 Material: foamed PE
 Diameter: $\phi 0.85 \pm 0.1$
 Thickness: 0.23 mm nominal
 Resistance at 20 °C: 10 M Ω /km min
 Twisted pair characteristic impedance: 100 Ω

Power Wire (2C)

Voltage: 300 V
 Gauge: 22 AWG 0.35 mm²
 Color: red (power), black (ground)
 Conductor: tinned copper strands, $\phi 0.127 \times 26$
 Conductor resistance at 20 °C: 59.4 Ω /km max
 Insulation
 Material: SR-PVC, 90A
 Diameter: $\phi 1.35 \pm 0.1$
 Thickness: 0.3 mm nominal
 Resistance at 20 °C: 10 M Ω /km min

Power marking: E3359579 UL AWM STYLE 1061 80°C 300V --- cUL AWM I A 80°C 300V FT2 TENSILITY DGT

Shield

Type: aluminium mylar + tinned copper braid
 Stranding: $\phi 0.08$
 Coverage: 65% min braid, 100% foil

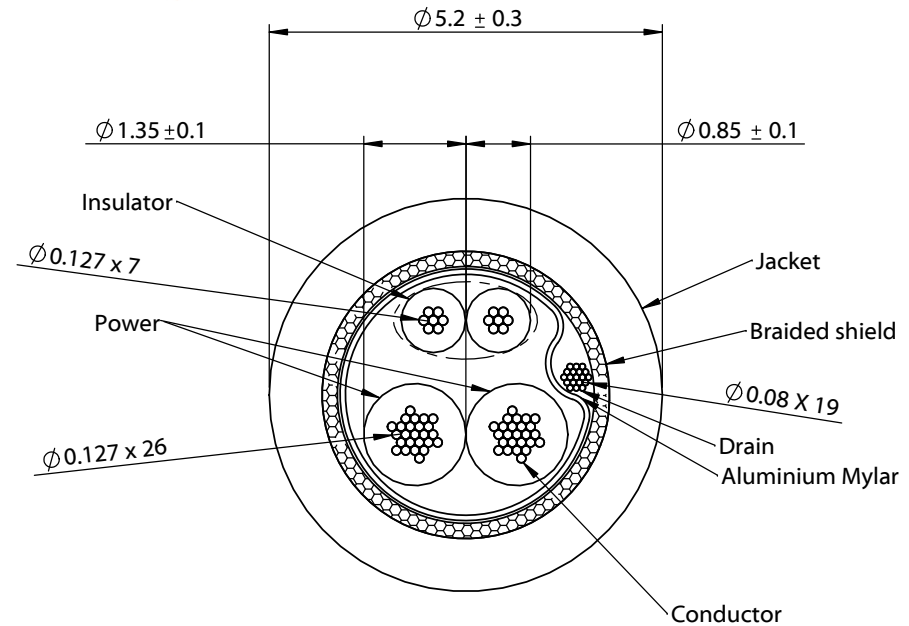
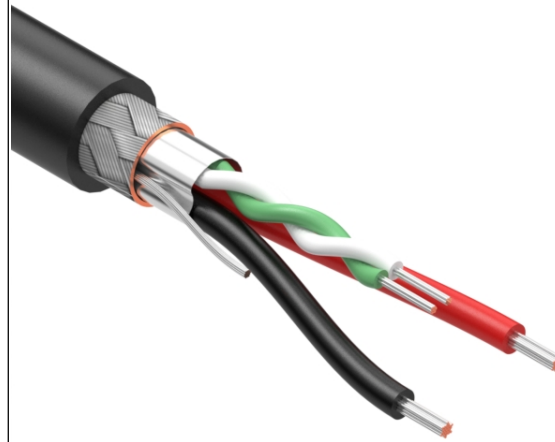
Drain

Stranding: $\phi 0.08 \times 19$
 Material: tinned copper strands

Outer jacket

Material: PVC, 79A
 Color: black
 Style: round
 Diameter: $\phi 5.2 \pm 0.3$
 Nominal thickness: 0.9 mm

Jacket marking: E3359579 UL AWM STYLE 2725
 28AWG/1P+22AWG/2C 80°C 30V --- cUL AWM I/II A 80°C 30V FT2
 TENSILITY DGT



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	2/28/22	Initial release	Verified:	RoHS compliant Function test: no open, no short circuit, no intermittent	
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description: Wire, 1PR TS 28 AWG, 2C TS 22 AWG, UL2725, 30V, 80C, 5.2 mm, shielded, FT2, PVC	Size: A Part number: 30-02482
					Scale: 10:1
					Sheet 1 of 1

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