

**Ratings**

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

**Twisted Pair (5PR)**

Voltage: 30 V  
 Gauge: 28 AWG 0.09 mm<sup>2</sup>  
 Color: white/green, white/blue, white/orange, white/brown, white/purple  
 Conductor: tinned copper strands, Ø 0.127 mm x 7  
 Conductor resistance at 20 °C: 239 Ω /km max  
 Insulation  
 Material: foamed PE  
 Diameter: Ø 0.85 ±0.10 mm  
 Thickness: 0.23 mm nominal  
 Resistance at 20 °C: 10 MΩ /km min  
 Twisted pair characteristic impedance: 100 Ω

**Power Wire (2C)**

Voltage: 300V  
 Gauge: 22 AWG 0.35 mm<sup>2</sup>  
 Color: red (power), black (ground)  
 Conductor: tinned copper strands, Ø0.127 x 26  
 Conductor resistance at 20 °C: 59.4 Ω /km max  
 Insulation  
 Material: SR-PVC, 90A  
 Diameter: Ø 1.35 ±0.10 mm  
 Thickness: 0.3 mm nominal  
 Resistance at 20 °C: 10 MΩ /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: Ø0.08 mm  
 Coverage: 65% min braid, 100% foil

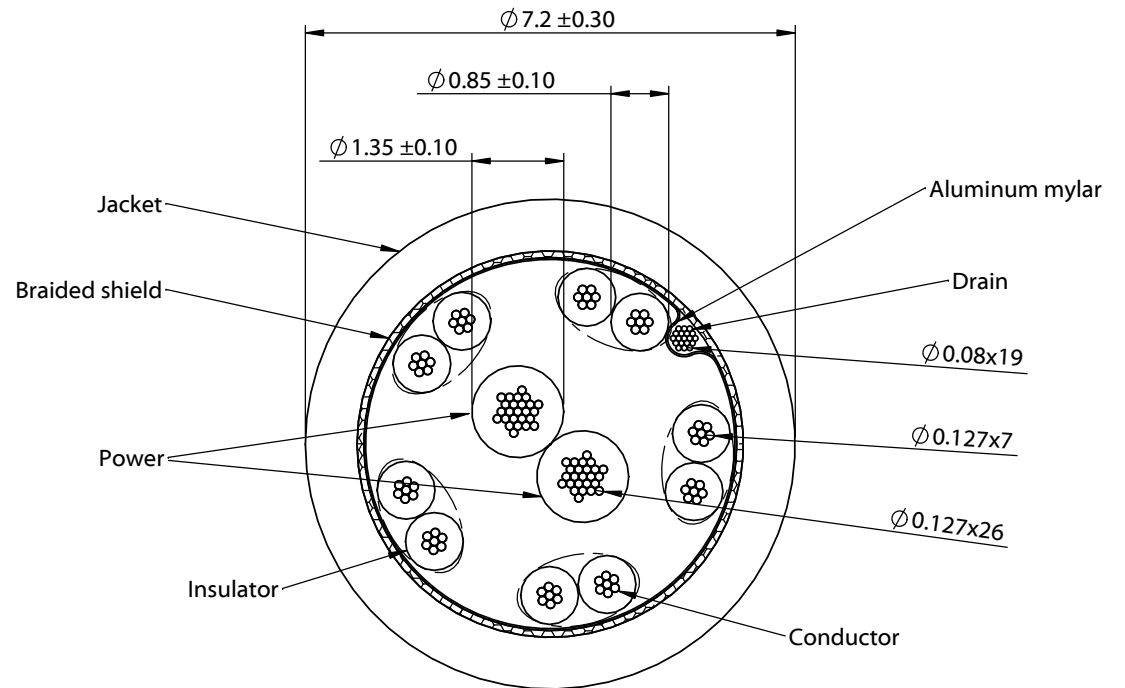
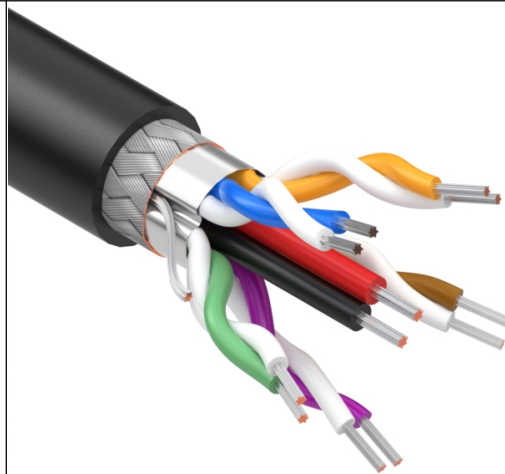
**Drain**

Stranding: Ø0.08 mm x 19  
 Material: tinned copper strands

**Outer jacket**

Material: PVC, 79A  
 Color: black  
 Style: round  
 Diameter: Ø 7.2 ±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:	Prepared:	Notes:	<b>TENSILITY</b> tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
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, 5PR TS 28 AWG, 2C TS 22 AWG, UL2725, 30V, 80C, 7.2 mm, shielded, FT2, PVC	Size: A Part number: 30-02490
					Scale: 9:1  Sheet 1 of 1

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