

Ratings

Temperature: -25~80 °C
Flammability: FT2

Twisted Pair (4PR)

Voltage: 30 V
Gauge: 24 AWG 0.2 mm²
Color: green/white, blue/white, orange/white, brown/white
Conductor: tinned copper strands, $\phi 0.1 \times 26$
Conductor resistance at 20 °C: 94.2 Ω /km max
Insulation
Material: foamed PE
Diameter: $\phi 1.2 \pm 0.1$
Thickness: 0.3 mm nominal
Resistance at 20 °C: 10 M Ω /km min
Twisted pair characteristic impedance: 100 Ω

Power Wire (2C)

Voltage: 300 V
Gauge: 20 AWG 0.52 mm²
Color: red (power), black (ground)
Conductor: tinned copper strands, $\phi 0.127 \times 41$
Conductor resistance at 20 °C: 36.7 Ω /km max
Insulation
Material: SR-PVC, 90A
Diameter: $\phi 1.55 \pm 0.1$
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: aluminium mylar + tinned copper braid
Stranding: $\phi 0.1$
Coverage: 65% minimum

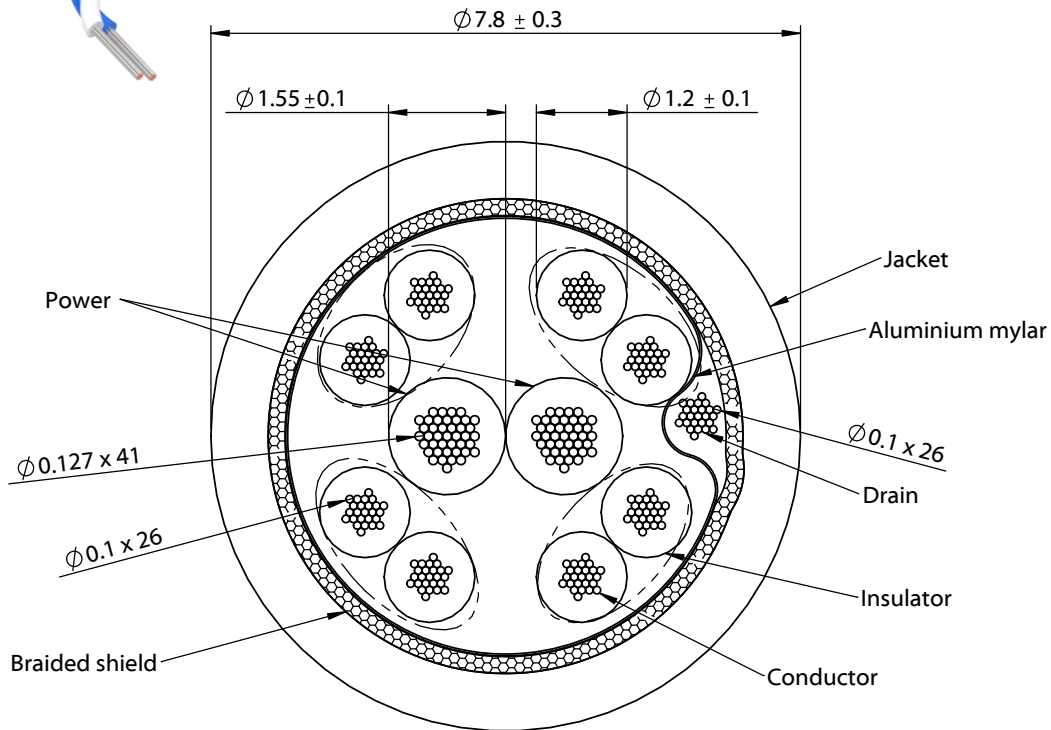
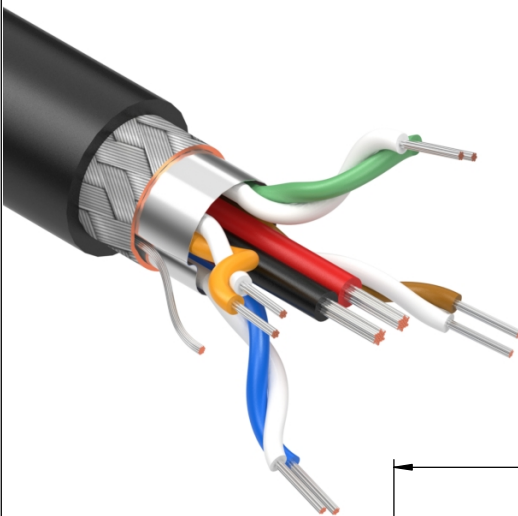
Drain

Stranding: $\phi 0.1 \times 26$
Material: tinned copper strands

Outer jacket

Material: PVC, 79A
Color: black
Style: round
Diameter: $\phi 7.8 \pm 0.3$
Nominal thickness: 0.9 mm

Jacket marking: E339579 UL AWM STYLE 2725 24AWG/4P+20AWG/2C 80°C 30V --- cUL AWM I/II A 80°C 30V FT2 TENSILITY



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	2/28/22	Initial release	JD <small>Digitally signed by JD Date: 2023.04.25 12:04:15 -07'00'</small>	RoHS compliant	
			Verified:	Function test: no open, no short circuit, no intermittent	Size: Part number:
			PB <small>Digitally signed by PB Date: 2023.04.25 13:02:42 -07'00'</small>	Description:	A 30-02489
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Wire, 4PR TS 24 AWG, 2C TS 20 AWG, UL2725, 30V, 80C, 7.8 mm, shielded, FT2, PVC	Scale: 10:1
					Sheet 1 of 1

5

4

3

2

1