

Ratings

Voltage: 300 V

Temperature

Static: -40~105 °C

Dynamic: -20 ~ 105 °C

Flammability: VW-1

Water resistant: 75 °C

Oil resistant: 60 °C (jacket)

≥50% elongation and tensile strength after aging

UV resistance: jacket, 720 hours xenon or carbon arc exposure

≥80% tensile strength and elongation after aging

Conductor

Conductor count: 6

Gauge: 24 AWG 0.21 mm²

Material: tinned copper strands

Strand size: Ø 0.08 mm x 41

Resistance at 20 °C: 94.2 Ω /km max

Insulator

Material: PVC

Color: red, black, white, yellow, blue, green

Diameter: Ø1.4 ± 0.1mm

Nominal thickness: 0.38 mm

Resistance at 20 °C: 10 MΩ /km min

Drain

Stranding: Ø 0.08 mm x 41

Material: tinned copper strands

Filler

Material: cotton rope

Wrap

Material: cotton paper

Shield

Type: aluminum mylar + tinned copper braid

Coverage: 65% min braid, 100% foil

Braid stranding: Ø0.10 mm

Outer jacket

Material: TPU (Polyether Polyurethane) 85A

Color: black

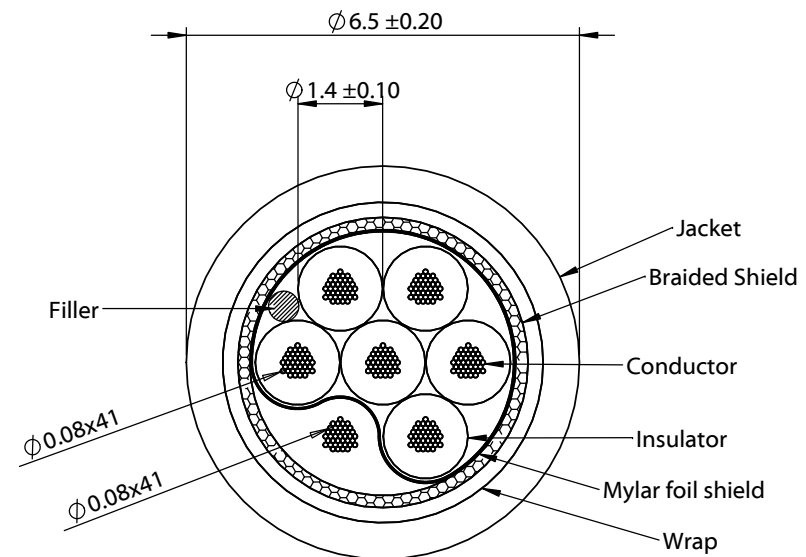
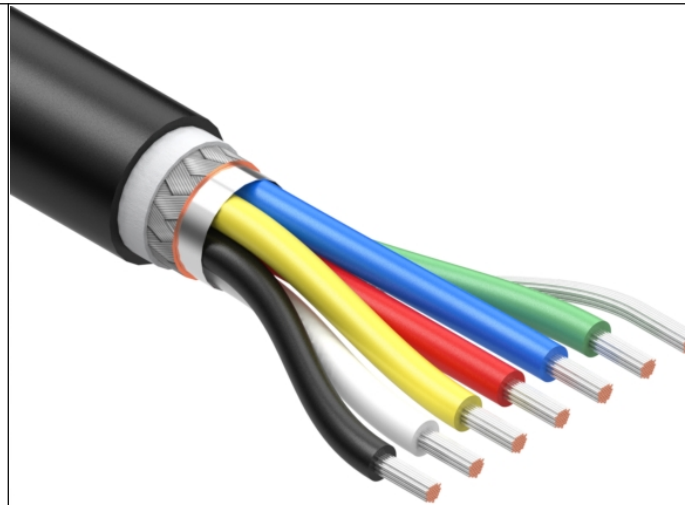
Diameter: Ø 6.5 ± 0.2 mm

Nominal thickness: 0.76 mm

Wire marking:

E339579 UL AWM STYLE 21765 24AWG 105°C 300V VW-1 --- cUL

AWM II A 105°C 300V FT1 TENSILITY

Use: External wiring

Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	04/04/2023	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, 6C TS, 24 AWG, UL21765, 300V, 105C, 60C oil, UV, 6.5 mm, shielded, VW-1, TPU	Size: A	Part number: 30-03023	Sheet 1 of 1
					Scale: 8:1	 	

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