

Ratings

Voltage: 300 V

Temperature

Static: -40 to 105 °C

Dynamic: -20 to 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

Cable meets TIA Cat. 5e channel standard, ≤ 50 meters

Conductor

Conductor count: 4 C (2 Pair)

Gauge: 24 AWG 0.22 mm²

Material: bare copper strands

Strand size: Ø 0.2 mm x 7

Resistance at 20 °C: 87.6 Ω /km Max

Insulator

Material: FEP

Color: Pair 1 (Blue/White +Blue), Pair 2 (Orange/White + Orange)

Diameter: Ø 1.05 ±0.08 mm

Nominal thickness: 0.20 mm

Resistance at 20 °C: 2.5 MΩ /1000 ft Min

Inner Wrap

Material: Mylar

Shield

Type: aluminum mylar (facing out) + tinned copper braid

Coverage: 75% min braid, 100% foil

Braid stranding: Ø0.10 mm

Outer Wrap

Material: Cotton paper

Outer jacket

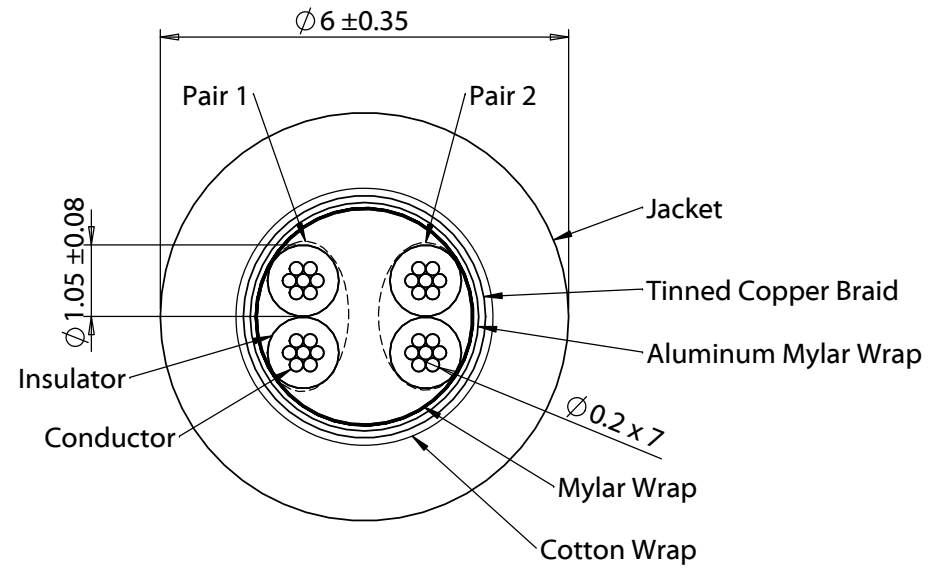
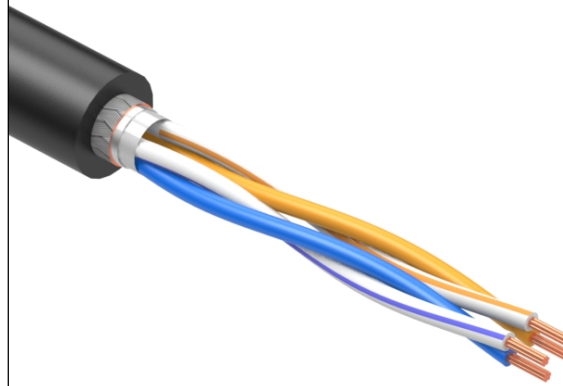
Material: TPU (Polyether Polyurethane)

Color: black

Diameter: Ø6 ±0.35 mm

Nominal thickness: 0.76 mm

Wire marking: E339579 UL AWM STYLE 21765 24 AWG 105°C
300V VW-1 AWM II A 105°C 300V FT1 TENSILITY DGW
VERIFIED ANSI/TIA-568-C.2 CAT 5e PATCH CORD SFTP RoHS

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	6/6/2025	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, 4C, 2PR BC, 24AWG, CAT5e SF/UTP, UL21765, 300V, 105C, 60C oil, UV, 6 mm, shielded, VW-1, TPU	Size: A	Part number: 30-03594	
					Scale: 9:1		Sheet 1 of 1

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