

Ratings

Voltage: 300 V

Temperature

Static: -40~105 °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

Conductor

Conductor count: 4PR

Gauge: 24 AWG 0.22 mm²

Material: bare copper strands

Strand size: Ø 0.2 mm x 7

Resistance at 20 °C: 87.5 Ω /km Max

Insulator

Material: FEP

Color: white-brown, brown (1P) / white-orange, orange (1P) / white-green, green (1P) / white-blue, blue (1P)

Diameter: Ø 1.05 ±0.10 mm

Nominal thickness: 0.19 mm

Resistance at 20 °C: 100 MΩ /km Min

Separator

Material: HD-PE

Wrap

Material: Foam Polypropylene tape, 0.11 mm

Shield

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

Coverage: 75% min braid, 100% foil

Braid stranding: Ø0.10 mm

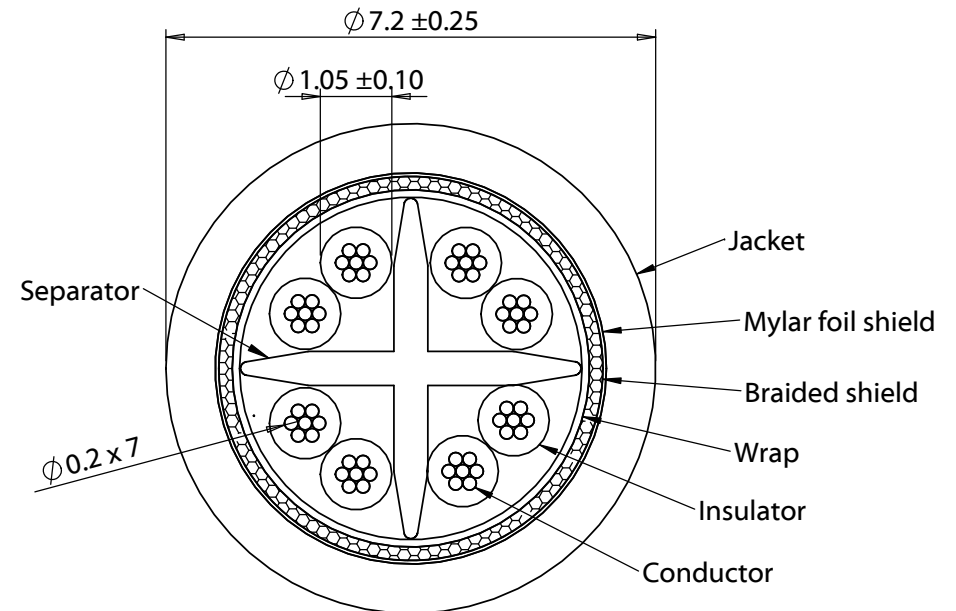
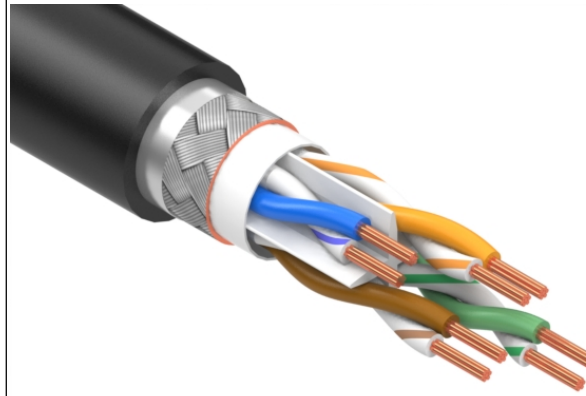
Outer jacket

Material: PVC, 80A

Color: black

Diameter: Ø 7.2 ±0.25 mm

Nominal thickness: 0.76 mm

Wire marking: E339579 UL AWM STYLE 20387 24 AWG 105°C 300V VW-1 60°C OIL RESISTANT UV RESISTANT TENSILITY ANSI/EIA 568C.2 & ISO/IEC 11801CAT6A SF/UTP**Use:** External wiring, CAT6a

Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	1/18/22	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, 4PR BC, 24 AWG, CAT6a SF/UTP, UL20387, 300V, 105C, 60C oil, UV, 7.2 mm, shielded, VW-1, PVC	Size: A Part number: 30-01713
					Scale: 9:1 Sheet 1 of 1

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