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 (white/orange + orange), Pair 2 (white/green + green)
Diameter:1.05 mm
Nominal thickness: 0.20 mm
Resistance at 20 °C: 2.5 MΩ /1000 ft Min

Inner Wrap
Material: Mylar

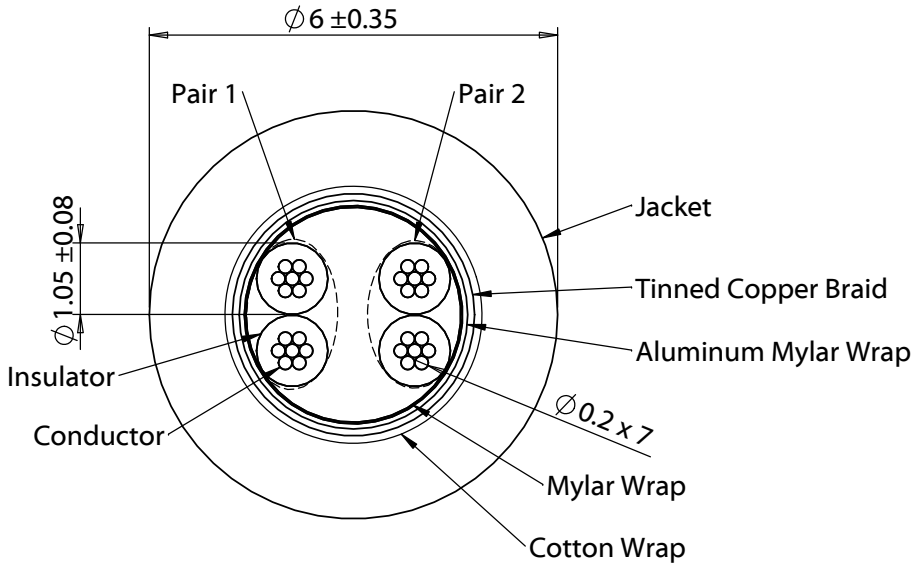
Shield
Type: aluminum mylar (facing out) + tinned copper braid
Coverage: 75% min braid, 100% foil
Braid stranding: Ø 0.10 mm

Outer Wrap
Material: Cotton paper

Outer jacket
Material: PVC
Color: black
Diameter: 6 ± 0.35 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
DGW VERIFIED ANSI/TIA-568-C.2 CAT 5e PATCH CORD SFTP RoHS

Use: External wiring



Revision:	Date:	Description:
A	8/19/25	Initial release

Prepared: CR Digitally signed by CR Date: 2025.08.20 11:08:12 -07'00'

Verified: AV Digitally signed by AV Date: 2025.08.20 11:16:43 -07'00'

Dimensions are in millimeters.
Tolerances:
X: ± 0.5 mm
X.X: ± 0.3 mm
X.XX: ± 0.05 mm

Notes:
RoHS compliant
Function test: no open, no short circuit, no intermittent

Description:
Wire, 4C, 2PR BC, 24AWG, CAT5e SF/UTP, UL20387, 300V, 105C, 60C oil, UV, 6 mm, shielded, VW-1, PVC

TENSILITY
tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com

Size: A
Part number: 30-03676
Scale: 9:1
Sheet 1 of 1

To see a custom version of this cable assembly, call Tensility at 541-323-3228 or email engineering@tensility.com

5 4 3 2 1