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: ∅1.05 ±0.10 mm
Nominal thickness: 0.19 mm
Resistance at 20 °C: 100 MΩ /km Min

Separator
Material: HD-PE

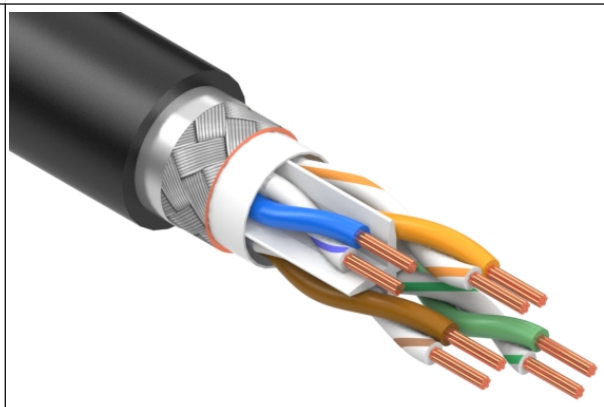
Wrap
Material: Foam Polypropylene tape, 0.11 mm

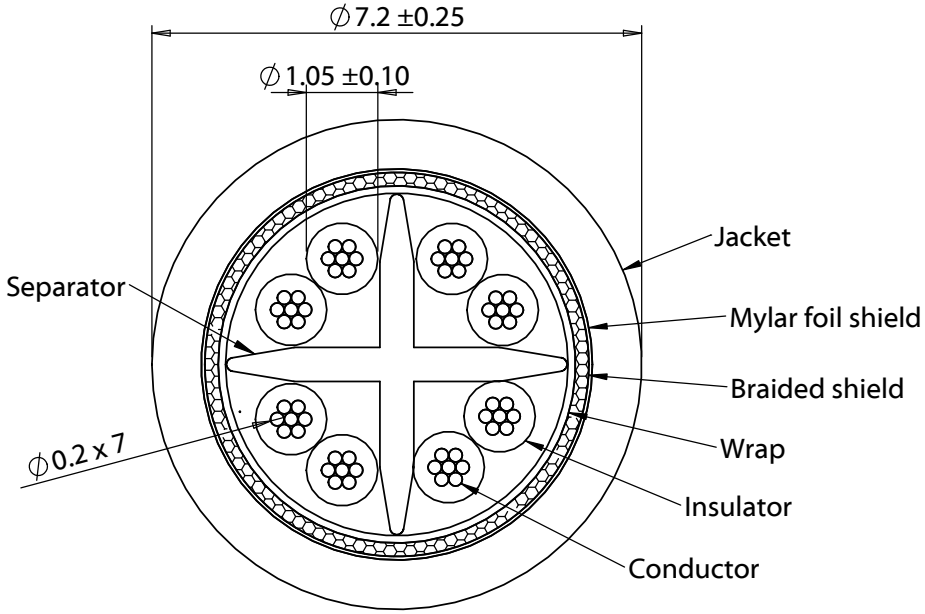
Shield
Type: aluminum mylar (facing outside) + tinned copper braid
Coverage: 75% min braid, 100% foil
Braid stranding: Ø0.10 mm

Outer jacket
Material: PVC, 80A
Color: black
Diameter: ∅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:
A	1/18/22	Initial release

Prepared: AG Digitally signed by AG Date: 2022.01.18 16:39:07 -08'00'

Verified: JD Digitally signed by JD Date: 2022.01.18 16:41:20 -08'00'

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, 4PR BC, 24 AWG, CAT6a SF/UTP, UL20387, 300V, 105C, 60C oil, UV, 7.2 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: 30-01713
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