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REVISION				
ZONE	REV	DESCRIPTION	DATE	CHANGED BY
	A	INITIAL RELEASE	6/28/2023	DAVIDG
				DAVIDG

Overview
Bandwidth: 2000MHz
OD: 8.0mm
Conductor: 24AWG
Approvals: RoHS
Connector: 50U" Gold Plated RJ45 Connector

Physical Characteristics

- Cable Type: CAT8 S/FTP
- Connector Type(s): RJ45
- Wiring Scheme: T568B
- Temperature Rating
 - Installation: 0°C ~ 50°C
 - Operation: -20°C ~ 60°C
- Voltage Rating: 30V

Conductor (Qty, 4 twisted pair)

- Conductor Type: 24AWG(7/0.20±0.008mm), Stranded Bare Copper.
- Insulation: FOPE
- Diameter: 1.4±0.05mm
- Pair Identification:
 - Pair1 = Orange, Orange-White
 - Pair2 = Blue, Blue-White
 - Pair3 = Green, Green-White
 - Pair4 = Brown, Brown-White

Connector Type

- Connector Type: Shielded 8P8C (RJ45)
- Gender: PLug/Jack
- Connector Material: Transparent Black PC
- Contact Material: Copper Alloy, Gold Plating-50µm
- Hood Material: PVC MOLDED Boot

Overall Cable

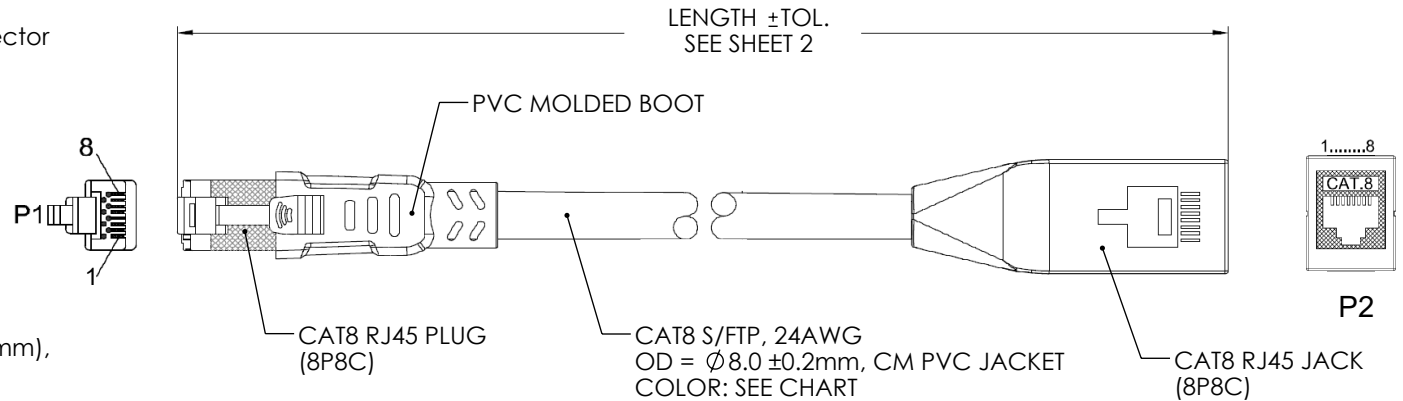
- Jacket: CM PVC
- Minimum Average Thickness: 0.60mm
- Outer Diameter: 8.0±0.20mm

Electrical Characteristics

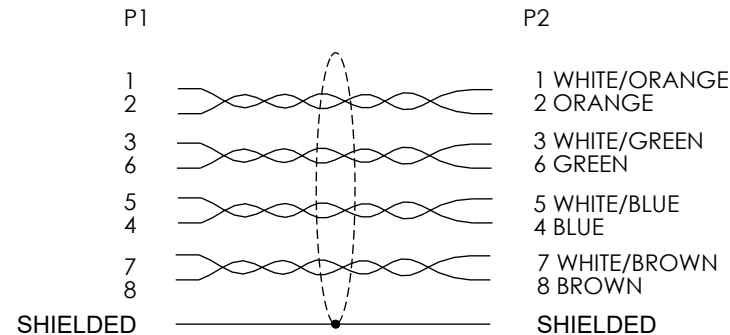
- Conductor DC Resistance: 9.5Ω/100m Max.
- Impedance: 100Ω
- Capacitance: 5600pf/100m
- Propagation Delay: 545ns/100m Max.
- Delay Skew: 45ns/100m Max.
- Support 40Gb/s Transfer Rate And 65% Shielded
- Pass FLUKE Channel Test

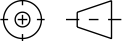
Miscellaneous

- Cable Assembly To Be Tested For Continuity
- Cable Assembly To Be Individually Packaged



WIRING MAP



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES [mm] OVERALL CABLE LENGTH TOLERANCE: ≤12 [305] = +1 [25] / -0 >12 [305] ≤60 [1524] = +2 [51] / -0 >60 [1524] ≤120 [3048] = +4 [102] / -0 >120 [3048] ≤300 [7620] = +6 [152] / -0 >300 [7620] = +5% / -0 ALL OTHER DIMENSIONAL TOLERANCES: .X = ±.2 [5] FRACTIONS ± 1/32 .XX = ±.02 [.5] ANGLES ± 1° .XXX = ±.005 [.13]	APPROVALS	DATE	 an INFINITI® brand		50 High Street, West Mill, North Andover, MA 01845 USA. Phone: 1.800.341.5266 1.978.682.6936	
	DRAWN BY KDANG	6/1/2023				
	CHECKED BY DAVIDG	6/22/2023	CATEGORY		TELECOM/MODULAR	
	APPROVED BY DAVIDG	6/22/2023	PRODUCT DESCRIPTION		Category 8 40Gb Extension Cable Assembly	
THIRD-ANGLE PROJECTION 	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY		SIZE A	CAGE CODE 43321	ITEM NO. TRD824MF	REV. A
	COLOR VARIATIONS MAY OCCUR		SCALE: NONE	CAD FILE: TRD824MF.SLDDRW		SHEET 1 OF 2

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PART NUMBER	COLOR	LENGTH FEET [METERS]	TOLERANCE INCH [mm]
TRD824MF-BLK-05F	BLACK	0.5 [0.15]	+1.38/-.59 [+35/-15]
TRD824MF-BLK-1F	BLACK	1.0 [0.30]	+1.38/-.59 [+35/-15]
TRD824MF-BLK-3F	BLACK	3.0 [0.91]	+1.38/-.59 [+35/-15]
TRD824MF-BLK-10F	BLACK	10.0 [3.04]	+1.38/-.79 [+35/-20]

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