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

Overview
Bandwidth: 500MHz
OD: 3.0mm
Conductor: 30AWG
Approvals: RoHS
Connector: 50U" gold plated RJ45 connector

Physical Characteristics

- Cable Type: CAT6A UTP
- 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: 30AWG(7/0.10±0.008mm), Stranded Bare Copper.
- Insulation: HDPE
- Diameter: 0.53±0.05mm
- Pair Identification:
 - Pair1 = Orange, Orange-White
 - Pair2 = Blue, Blue-White
 - Pair3 = Green, Green-White
 - Pair4 = Brown, Brown-White

Connector Type (Qty, 2)

- Connector Type: Unshielded 8P8C (RJ45)
- Gender: Plug
- Connector Material: PC
- Contact Material: Copper Alloy, Gold Plating-50µm

Overall Cable

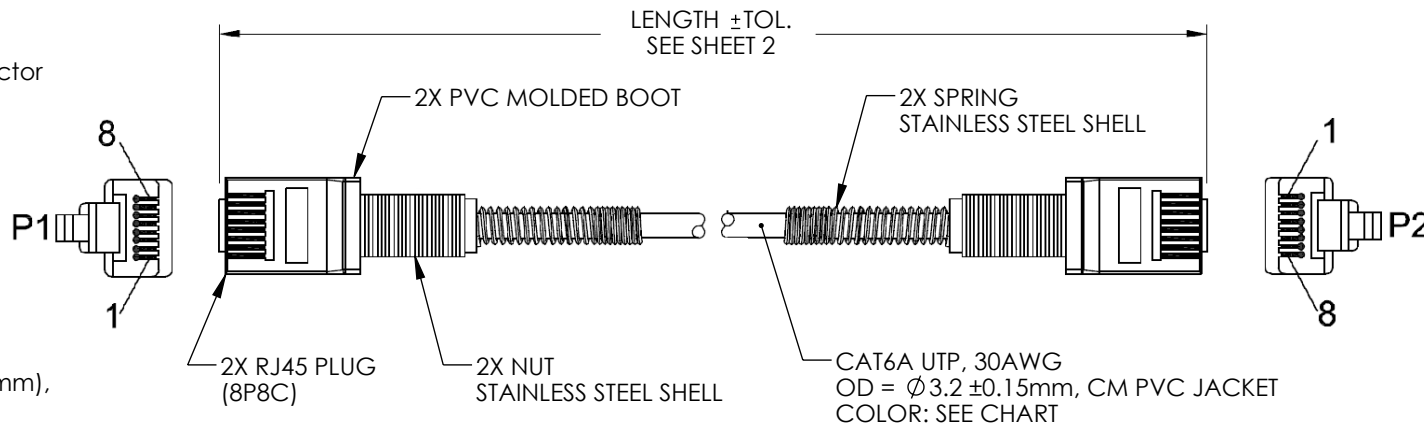
- Jacket: CM-PVC
- Minimum Average Thickness: 0.50mm
- Outer Diameter: 3.2±0.15mm

Electrical Characteristics

- Conductor DC Resistance: 45.2Ω/100m Max.
- Impedance: 100Ω
- Capacitance: 5600pf/100m
- Propagation Delay: 545ns/100m Max.
- Delay Skew: 45ns/100m Max.
- Pass Fluke DSX 8000 Test

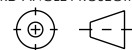
Miscellaneous

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



WIRING MAP

P1		P2
1		1 WHITE/ORANGE
2		2 ORANGE
3		3 WHITE/GREEN
6		6 GREEN
5		5 WHITE/BLUE
4		4 BLUE
7		7 WHITE/BROWN
8		8 BROWN

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 .XX = ± .02 [.5] ± 1/32 .XXX = ± .005 [.13] ANGLES ± 1°	APPROVALS	DATE	L-com™ 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	6/5/2023	CATEGORY TELECOM/MODULAR			
	APPROVED BY DAVIDG	6/5/2023		PRODUCT DESCRIPTION Category 6A 10Gig Double Spring Slim Ethernet Cable Assembly		
THIRD-ANGLE PROJECTION 	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY		SIZE A	CAGE CODE 43321	ITEM NO. TRD630A-DS	REV. A
	COLOR VARIATIONS MAY OCCUR		SCALE: NONE	CAD FILE: TRD630A-DS.SLDDRW		SHEET 1 OF 2

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