

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF L-COM, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF L-COM, INC. IS PROHIBITED.

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

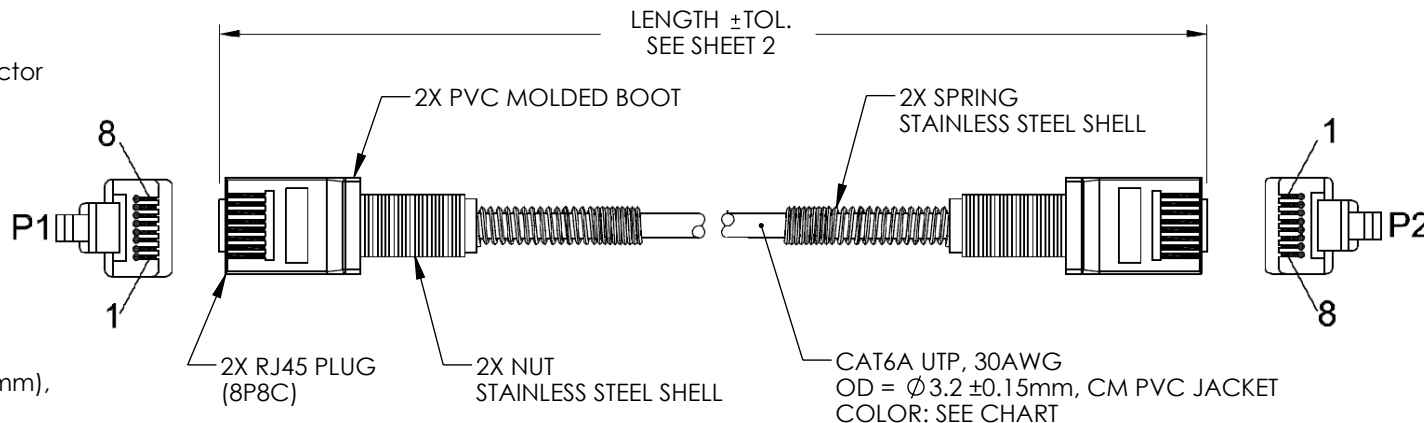
- Jacket: CM-PVC
- Minimum Average Thickness: 0.50mm
- Outer Diameter: 3.2±0.15mm

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

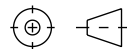
Miscellaneous

- 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 ± 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	6/5/2023	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	COLOR VARIATIONS MAY OCCUR	SIZE A	CAGE CODE 43321
			ITEM NO. TRD630A-DS		REV. A	
			SCALE: NONE		CAD FILE: TRD630A-DS.SLDDRW	
					SHEET 1 OF 2	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE
PROPERTY OF L-COM, INC. ANY REPRODUCTION IN PART OR WHOLE
WITHOUT THE WRITTEN PERMISSION OF L-COM, INC. IS PROHIBITED.

PART NUMBER	COLOR	LENGTH FEET [METERS]	TOLERANCE INCH [mm]
TRD630A-DS-BLK-05F	BLACK	0.5 [0.15]	+1.38/-.59 [+35/-15]
TRD630A-DS-BLK-1F	BLACK	1.0 [0.30]	+1.38/-.59 [+35/-15]
TRD630A-DS-BLK-2F	BLACK	2.0 [0.60]	+1.38/-.59 [+35/-15]
TRD630A-DS-BLK-3F	BLACK	3.0 [0.91]	+1.38/-.59 [+35/-15]
TRD630A-DS-BLK-5F	BLACK	5.0 [1.52]	+1.38/-.79 [+35/-20]
TRD630A-DS-BLK-10F	BLACK	10.0 [3.04]	+1.38/-1.18 [+35/-30]
TRD630A-DS-BLK-15F	BLACK	15.0 [4.57]	+1.38/-1.18 [+35/-30]
TRD630A-DS-BLK-25F	BLACK	25.0 [7.62]	± 2.36[60]
TRD630A-DS-BLK-50F	BLACK	50.0 [15.24]	± 3.15[80]

PART NUMBER	COLOR	LENGTH FEET [METERS]	TOLERANCE INCH [mm]
TRD630A-DS-GRY-05F	GRAY	0.5 [0.15]	+1.38/-.59 [+35/-15]
TRD630A-DS-GRY-1F	GRAY	1.0 [0.30]	+1.38/-.59 [+35/-15]
TRD630A-DS-GRY-2F	GRAY	2.0 [0.60]	+1.38/-.59 [+35/-15]
TRD630A-DS-GRY-3F	GRAY	3.0 [0.91]	+1.38/-.59 [+35/-15]
TRD630A-DS-GRY-5F	GRAY	5.0 [1.52]	+1.38/-.79 [+35/-20]
TRD630A-DS-GRY-10F	GRAY	10.0 [3.04]	+1.38/-1.18 [+35/-30]
TRD630A-DS-GRY-15F	GRAY	15.0 [4.57]	+1.38/-1.18 [+35/-30]
TRD630A-DS-GRY-25F	GRAY	25.0 [7.62]	± 2.36[60]
TRD630A-DS-GRY-50F	GRAY	50.0 [15.24]	± 3.15[80]

PART NUMBER	COLOR	LENGTH FEET [METERS]	TOLERANCE INCH [mm]
TRD630A-DS-BLU-05F	BLUE	0.5 [0.15]	+1.38/-.59 [+35/-15]
TRD630A-DS-BLU-1F	BLUE	1.0 [0.30]	+1.38/-.59 [+35/-15]
TRD630A-DS-BLU-2F	BLUE	2.0 [0.60]	+1.38/-.59 [+35/-15]
TRD630A-DS-BLU-3F	BLUE	3.0 [0.91]	+1.38/-.59 [+35/-15]
TRD630A-DS-BLU-5F	BLUE	5.0 [1.52]	+1.38/-.79 [+35/-20]
TRD630A-DS-BLU-10F	BLUE	10.0 [3.04]	+1.38/-1.18 [+35/-30]
TRD630A-DS-BLU-15F	BLUE	15.0 [4.57]	+1.38/-1.18 [+35/-30]
TRD630A-DS-BLU-25F	BLUE	25.0 [7.62]	± 2.36[60]
TRD630A-DS-BLU-50F	BLUE	50.0 [15.24]	± 3.15[80]

 an INFINITI® brand		50 High Street, West Mill, North Andover, MA 01845 USA. Phone: 1.800.341.5266 1.978.682.6936	
CATEGORY TELECOM/MODULAR			
PRODUCT DESCRIPTION Category 6A 10Gig Double Spring Slim Ethernet Cable Assembly			
SIZE A	CAGE CODE 43321	ITEM NO. TRD630A-DS	REV. A
SCALE: NONE		CAD FILE: TRD630A-DS.SLDDRW	SHEET 2 OF 2