

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	APPROVED
	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

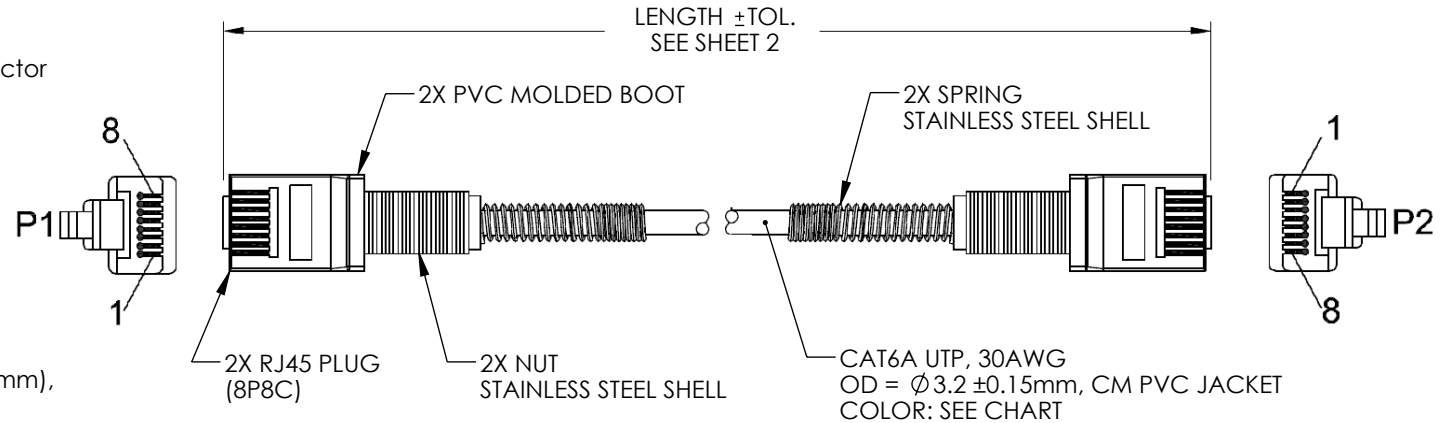
- Conductor (Qty, 4 twisted pair)**
- Conductor Type: 30AWG(7/0.10±0.008mm), Stranded Bare Copper.
  - Insulation: HDPE
  - Diameter: 0.53±0.05mm
  - Pair Identification:
    - Pair1 = Orange, Orange-White
    - Pair2 = Blue, Blue-White
    - Pair3 = Green, Green-White
    - Pair4 = Brown, Brown-White

- Connector Type (Qty, 2)**
- Connector Type: Unshielded 8P8C (RJ45)
  - Gender: Plug
  - Connector Material: PC
  - Contact Material: Copper Alloy, Gold Plating-50µm

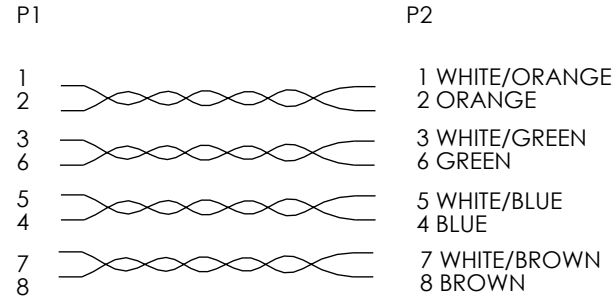
- Overall Cable**
- Jacket: CM-PVC
  - Minimum Average Thickness: 0.50mm
  - Outer Diameter: 3.2±0.15mm


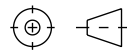
- Electrical Characteristics**
- Conductor DC Resistance: 45.2Ω/100m Max.
  - Impedance: 100Ω
  - Capacitance: 5600pf/100m
  - Propagation Delay: 545ns/100m Max.
  - Delay Skew: 45ns/100m Max.
  - Pass Fluke DSX 8000 Test

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



**WIRING MAP**




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	 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		CATEGORY <b>TELECOM/MODULAR</b>
	CHECKED BY DAVIDG	6/5/2023		
	APPROVED BY DAVIDG	6/5/2023		
THIRD-ANGLE PROJECTION	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY	PRODUCT DESCRIPTION Category 6A 10Gig Double Spring Slim Ethernet Cable Assembly	SIZE <b>A</b>	
	COLOR VARIATIONS MAY OCCUR	CAGE CODE <b>43321</b>	ITEM NO. <b>TRD630A-DS</b>	
		SCALE: NONE	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-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]

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]

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