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

**Overview**  
 Bandwidth: 500MHz  
 OD: 6.8mm  
 Conductor: 24AWG  
 Approvals: RoHS  
 Connector: 50U" gold plated RJ45 connector

**Physical Characteristics**

- Cable Type: CAT6A SF/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: 24AWG(1/0.52±0.008mm), Solid Bare Copper.
- Insulation: HDPE
- Diameter: 0.97±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: 8P8C (RJ45)
- Gender: Plug
- Connector Material: PC-94V-2
- Contact Material: Phosphor Copper, Nickel Plating-100µm Gold Plating-50µm
- Hood Material: Molded PVC

**Overall Cable**

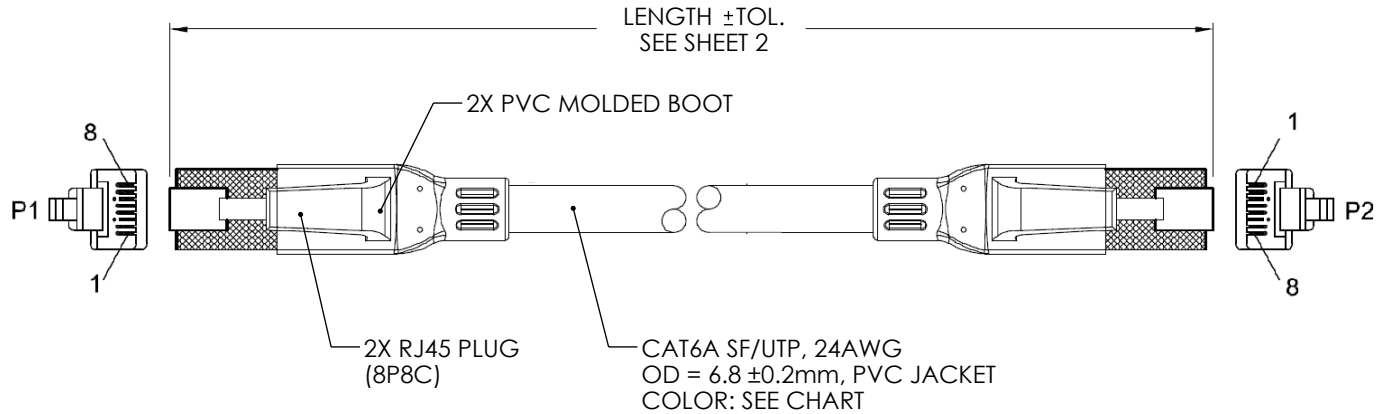
- Jacket: PVC
- Minimum Average Thickness: 0.50mm
- Outer Diameter: 6.8±0.2mm

**Electrical Characteristics**

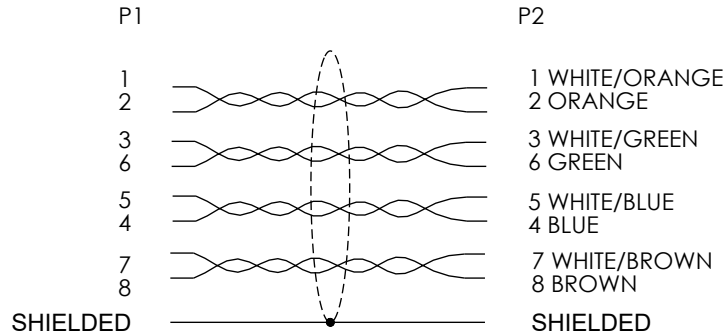
- Conductor DC Resistance: 11.25Ω/100m Max.
- Impedance: 100Ω
- Capacitance: 5600pf/100m
- Propagation Delay: 545ns/100m Max.
- Delay Skew: 45ns/100m Max.
- Fluke DSX 8000 Test


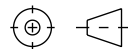
**Miscellaneous**

- 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 [1.3]	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	6/22/2023		
	APPROVED BY DAVIDG	6/22/2023		
THIRD-ANGLE PROJECTION	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY	PRODUCT DESCRIPTION Category 6A 10Gig HDBaseT Ethernet AV Cable Assembly	SIZE <b>A</b>	
	COLOR VARIATIONS MAY OCCUR	CAGE CODE <b>43321</b>	ITEM NO. <b>TRD624HDBT</b>	
		SCALE: NONE	SHEET 1 OF 2	

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PART NUMBER	COLOR	LENGTH FEET [METERS]	TOLERANCE INCH [mm]
TRD624HDBT-BLK-1F	BLACK	1.0 [0.30]	+1.38/-.59 [+35/-15]
TRD624HDBT-BLK-2F	BLACK	2.0 [0.60]	+1.38/-.59 [+35/-15]
TRD624HDBT-BLK-3F	BLACK	3.0 [0.91]	+1.38/-.59 [+35/-15]
TRD624HDBT-BLK-5F	BLACK	5.0 [1.52]	+1.38/-.79 [+35/-20]
TRD624HDBT-BLK-7F	BLACK	7.0 [2.13]	+1.38/-1.18 [+35/-30]
TRD624HDBT-BLK-10F	BLACK	10.0 [3.04]	+1.38/-1.18 [+35/-30]
TRD624HDBT-BLK-15F	BLACK	15.0 [4.57]	+1.38/-1.18 [+35/-30]
TRD624HDBT-BLK-25F	BLACK	25.0 [7.62]	± 2.36[ 60]

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SIZE <b>A</b>	CAGE CODE <b>43321</b>	ITEM NO. <b>TRD624HDBT</b>	REV. <b>A</b>
SCALE: NONE		CAD FILE: TRD624HDBT.SLDDRW	
			SHEET 2 OF 2