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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

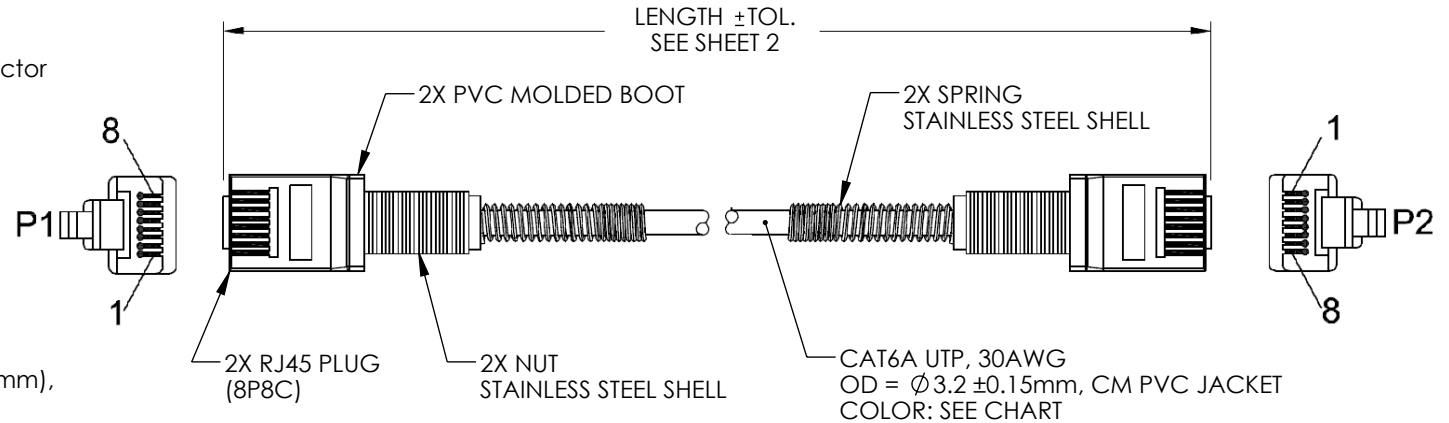
- Conductor (Qty, 4 twisted pair)**
- Conductor Type: 30AWG(7/0.10±0.008mm), Stranded Bare Copper.
 - Insulation: HDPE
 - Diameter: 0.53±0.05mm
 - Pair Identification:
 - Pair1 = Orange, Orange-White
 - Pair2 = Blue, Blue-White
 - Pair3 = Green, Green-White
 - Pair4 = Brown, Brown-White

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

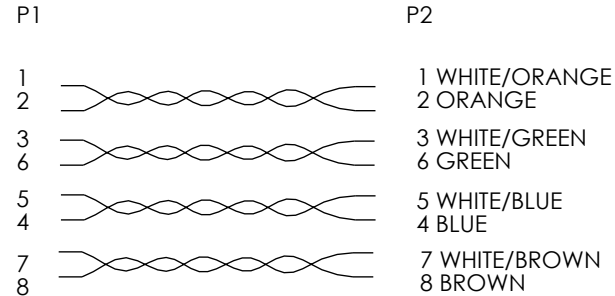
- Overall Cable**
- Jacket: CM-PVC
 - Minimum Average Thickness: 0.50mm
 - Outer Diameter: 3.2±0.15mm


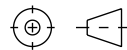
- Electrical Characteristics**
- Conductor DC Resistance: 45.2Ω/100m Max.
 - Impedance: 100Ω
 - Capacitance: 5600pf/100m
 - Propagation Delay: 545ns/100m Max.
 - Delay Skew: 45ns/100m Max.
 - Pass Fluke DSX 8000 Test

- 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 DRAWN BY: KDANG CHECKED BY: DAVIDG APPROVED BY: DAVIDG	DATE 6/1/2023 6/5/2023 6/5/2023	 an INFINITI® brand	50 High Street, West Mill, North Andover, MA 01845 USA. Phone: 1.800.341.5266 1.978.682.6936
	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY		CATEGORY TELECOM/MODULAR	
	COLOR VARIATIONS MAY OCCUR		PRODUCT DESCRIPTION Category 6A 10Gig Double Spring Slim Ethernet Cable Assembly	
	THIRD-ANGLE PROJECTION 	SIZE A	CAGE CODE 43321	ITEM NO. TRD630A-DS

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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]
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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]

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SCALE: NONE		CAD FILE: TRD630A-DS.SLDDRW	SHEET 2 OF 2