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

Overview
Bandwidth: 500MHz
OD: 8.5mm
Conductor: 23AWG
Approvals: RoHS
Connector: 50U" gold plated RJ45 connector

Physical Characteristics
- Cable Type: CAT6A S/FTP
- Connector Type(s): RJ45
- Wiring Scheme: T568B
- Temperature Rating
  - Installation: 0°C ~ 50°C
  - Operation: -20°C ~ 60°C
- Voltage Rating: 30V

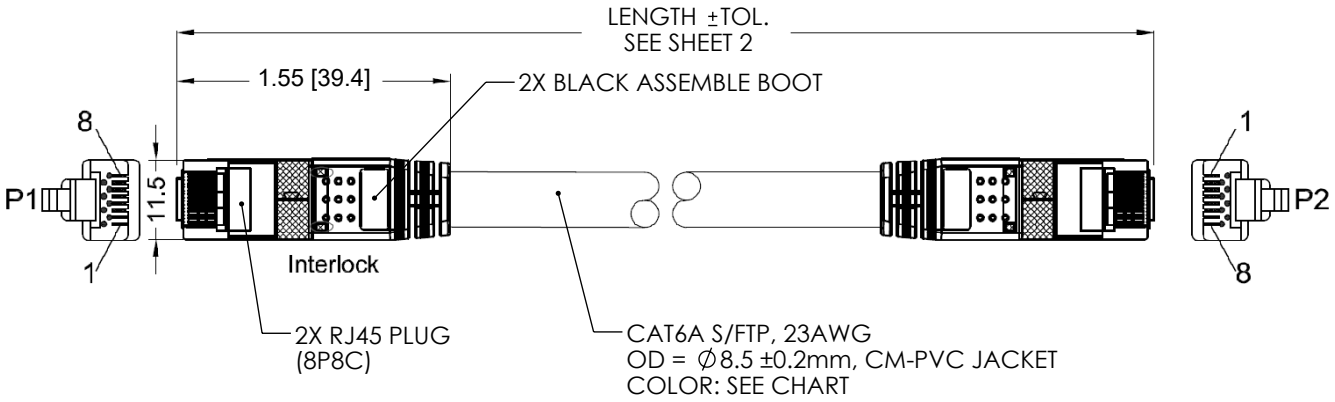
Conductor (Qty. 4 twisted pair)
- Conductor Type: 23AWG(7/0.22±0.008mm), Stranded Bare Copper.
- Insulation: FMPE
- Diameter: 1.55±0.05mm
- Pair Identification:
  - Pair1 = Orange, Orange-White
  - Pair2 = Blue, Blue-White
  - Pair3 = Green, Green-White
  - Pair4 = Brown, Brown-White

Connector Type (Qty. 2)
- Connector Type: Shielded 8P8C (RJ45)
- Gender: Plug
- Connector Material: PC-94V-2
- Contact Material: Phosphor Copper, Nickel Plating-100µm Gold Plating-50µm
- Hood Material: Black Assemble Boot

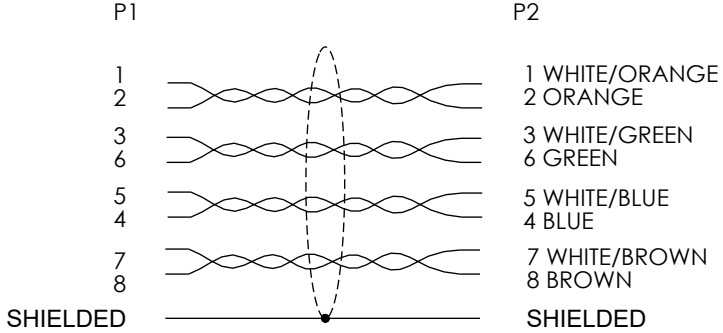
Overall Cable
- Jacket: CM-PVC
- Minimum Average Thickness: 0.60mm
- Outer Diameter: 8.5±0.20mm

Electrical Characteristics
- Conductor DC Resistance: 8.92Ω/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]
.XX = ± .02 [.5]
.XXX = ± .005 [.13]
FRACTIONS ± 1/32
ANGLES ± 1°

THIRD-ANGLE PROJECTION

APPROVALS	DATE
DRAWN BY KDANG	6/1/2023
CHECKED BY DAVIDG	6/28/2023
APPROVED BY DAVIDG	6/28/2023

CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY

COLOR VARIATIONS MAY OCCUR

L-com an INFINITE 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 90W PoE Ethernet Cable Assembly

SIZE	CAGE CODE	ITEM NO.	REV.
A	43321	TRD623APDS	A

SCALE: NONE | CAD FILE: TRD623APDS.SLDDRW | SHEET 1 OF 2

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PART NUMBER	COLOR	LENGTH FEET [METERS]	TOLERANCE INCH [mm]
TRD623APDS-BLK-1F	BLACK	1.0 [0.30]	+1.38/-.59 [+35/-15]
TRD623APDS-BLK-6F	BLACK	2.0 [0.60]	+1.38/-.79 [+35/-20]
TRD623APDS-BLK-10F	BLACK	10.0 [3.04]	+1.38/-1.18 [+35/-30]
TRD623APDS-BLK-15F	BLACK	15.0 [4.57]	+1.38/-1.18 [+35/-30]
TRD623APDS-BLK-25F	BLACK	25.0 [7.62]	± 2.36[60]
TRD623APDS-BLK-50F	BLACK	50 [15.24]	± 2.36[60]
TRD623APDS-BLK-75F	BLACK	75 [22.86]	± 3.15[80]
TRD623APDS-BLK-100F	BLACK	100 [30.48]	± 3.15[80]
TRD623APDS-BLK-125F	BLACK	125 [38.10]	± 3.15[80]
TRD623APDS-BLK-150F	BLACK	150 [45.72]	± 3.15[80]
TRD623APDS-BLK-200F	BLACK	200 [60.96]	± 3.15[80]

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