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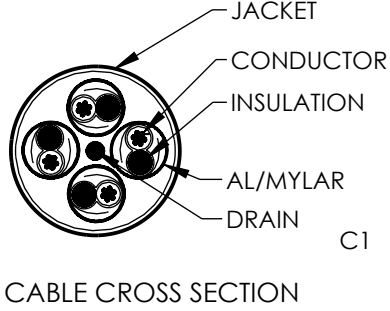
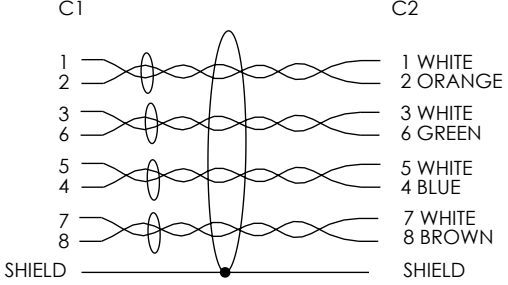
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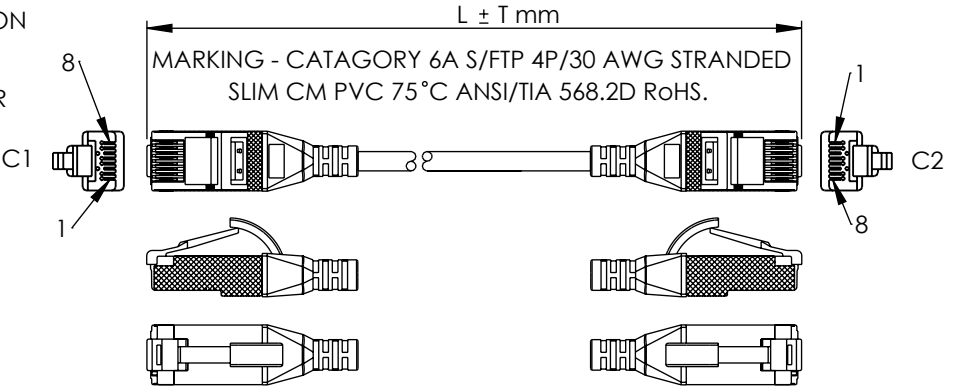
REVISION

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	03/20/2023	PSRINIVAS	GUTTADAURO

WIRING MAP



CABLE CROSS SECTION



NOTES:-

OVERVIEW:

Bandwidth : 500 MHz  
 O.D. : 4.5 mm  
 CONDUCTOR : 30 AWG  
 Approvals : RoHS  
 Connector : 50 U" gold plated RJ45 connector

PHYSICAL Characteristics:

Cable Type - Cat6A S/FTP  
 Connector Type(s) - RJ45  
 Wiring Scheme - T568B  
 Temperature Rating  
 Installation : 0 Deg. C to 50 Deg. C  
 Operation : -20 Deg. C to 60 Deg. C  
 Voltage rating - 30V

Conductor (Qty. 4 twisted pair):

Conductor Type - 30 AWG (7/0.10 ± 0.008 mm),  
 Stranded Bare Copper  
 Insulation - FMPE  
 Diameter - 0.75 +- 0.05 mm  
 Pair Identification:  
 Pair 1 = Orange, Orange-White  
 Pair 2 = Blue, Blue-White  
 Pair 3 = Green, Green-White  
 Pair 4 = Brown, Brown-White

Connector Type (Qty.2):

Connector Type - 8P8C (RJ45)  
 Gender - Male  
 Connector Material - PC  
 Contact Material - Copper Alloy, Gold Plating 50 U"  
 Hood Material - PVC

Overall Cable :

Jacket - CM PVC  
 Minimum Average Thickness - 0.60 mm  
 Outer Diameter - 4.5 ± 0.15 mm

Electrical Characteristics:

Conductor DC Resistance - 60.10 Ω / 100 m (maximum)  
 Impedance - 100 Ω  
 Capacitance - 5600 pf/100m  
 Propagation Delay - 545ns/100m (Maximum)  
 Delay Skew - 45ns/100m (Maximum)  
 Pass Fluke DSX 8000 ISO Patch Cord Test

REGULATORY COMPLIANCE:  
 EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION)

UNLESS OTHERWISE SPECIFIED  
 LEADING DIMENSIONS ARE INCHES  
 DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:  
 .X = ±.2 [ .5 ]      FRACTIONS ± 1/32  
 .XX = ±.02 [ .5 ]      ANGLES ± 1°  
 .XXX = ±.005 [ .13 ]

CABLE LENGTH TOLERANCES:  
 ≤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 DIMENSIONS ARE FOR REFERENCE ONLY  
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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE      SHEET: 1 OF 2

DESCRIPTION  
 Category 6a 10gig Component Tested Slim Ethernet Patch Cable, S/FTP Double Shielded, 30AWG, RJ45 Male Plug, CM PVC, Black, 10FT

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	PSRINIVAS	TRD630ADS-BLK-10F	A

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REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	03/20/2023	PSRINIVAS	GUTTADAURO

PART NUMBER	CABLE COLOUR	LENGTH FEET [METERS]	TOLERANCE INCH [mm]	PART NUMBER	CABLE COLOUR	LENGTH FEET [METERS]	TOLERANCE INCH [mm]
TRD630ADS-BLK-1F	BLACK	1 [0.30]	+ 1.37 [ 35 ] / - 0.59 [ 15 ]	TRD630ADS-BLU-1F	BLUE	1 [0.30]	+ 1.37 [ 35 ] / - 0.59 [ 15 ]
TRD630ADS-BLK-2F	BLACK	2 [0.61]	+ 1.37 [ 35 ] / - 0.59 [ 15 ]	TRD630ADS-BLU-2F	BLUE	2 [0.61]	+ 1.37 [ 35 ] / - 0.59 [ 15 ]
TRD630ADS-BLK-3F	BLACK	3 [0.91]	+ 1.37 [ 35 ] / - 0.59 [ 15 ]	TRD630ADS-BLU-3F	BLUE	3 [0.91]	+ 1.37 [ 35 ] / - 0.59 [ 15 ]
TRD630ADS-BLK-5F	BLACK	5 [1.52]	+ 1.37 [ 35 ] / - 0.79 [ 20 ]	TRD630ADS-BLU-5F	BLUE	5 [1.52]	+ 1.37 [ 35 ] / - 0.79 [ 20 ]
TRD630ADS-BLK-7F	BLACK	7 [2.13]	+ 1.37 [ 35 ] / - 1.18 [ 30 ]	TRD630ADS-BLU-7F	BLUE	7 [2.13]	+ 1.37 [ 35 ] / - 1.18 [ 30 ]
TRD630ADS-BLK-10F	BLACK	10 [3.05]	+ 1.37 [ 35 ] / - 1.18 [ 30 ]	TRD630ADS-BLU-10F	BLUE	10 [3.05]	+ 1.37 [ 35 ] / - 1.18 [ 30 ]
TRD630ADS-BLK-15F	BLACK	15 [4.57]	+ 1.37 [ 35 ] / - 1.18 [ 30 ]	TRD630ADS-BLU-15F	BLUE	15 [4.57]	+ 1.37 [ 35 ] / - 1.18 [ 30 ]
TRD630ADS-BLK-20F	BLACK	20 [6.10]	± 2.36 [ 60 ]	TRD630ADS-BLU-20F	BLUE	20 [6.10]	± 2.36 [ 60 ]
TRD630ADS-BLK-25F	BLACK	25 [7.62]	± 2.36 [ 60 ]	TRD630ADS-BLU-25F	BLUE	25 [7.62]	± 2.36 [ 60 ]

PART NUMBER	CABLE COLOUR	LENGTH FEET [METERS]	TOLERANCE INCH [mm]
TRD630ADS-GRN-1F	GREEN	1 [0.30]	+ 1.37 [ 35 ] / - 0.59 [ 15 ]
TRD630ADS-GRN-2F	GREEN	2 [0.61]	+ 1.37 [ 35 ] / - 0.59 [ 15 ]
TRD630ADS-GRN-3F	GREEN	3 [0.91]	+ 1.37 [ 35 ] / - 0.59 [ 15 ]
TRD630ADS-GRN-5F	GREEN	5 [1.52]	+ 1.37 [ 35 ] / - 0.79 [ 20 ]
TRD630ADS-GRN-7F	GREEN	7 [2.13]	+ 1.37 [ 35 ] / - 1.18 [ 30 ]
TRD630ADS-GRN-10F	GREEN	10 [3.05]	+ 1.37 [ 35 ] / - 1.18 [ 30 ]
TRD630ADS-GRN-15F	GREEN	15 [4.57]	+ 1.37 [ 35 ] / - 1.18 [ 30 ]
TRD630ADS-GRN-20F	GREEN	20 [6.10]	± 2.36 [ 60 ]
TRD630ADS-GRN-25F	GREEN	25 [7.62]	± 2.36 [ 60 ]

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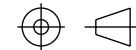
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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE NONE      SHEET 2 OF 2

DESCRIPTION  
Category 6a 10gig Component Tested Slim Ethernet Patch Cable, S/FTP Double Shielded, 30AWG, RJ45 Male Plug, CM PVC, Black, 10FT

SIZE A	CAGE CODE 43321	DRAWN BY PSRINIVAS	ITEM NO. TRD630ADS-BLK-10F	REV A
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