

6

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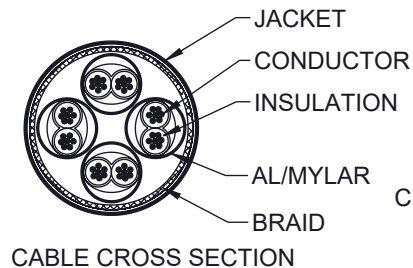
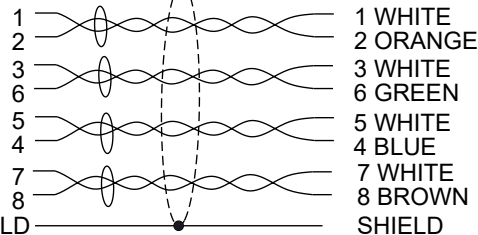
2

1

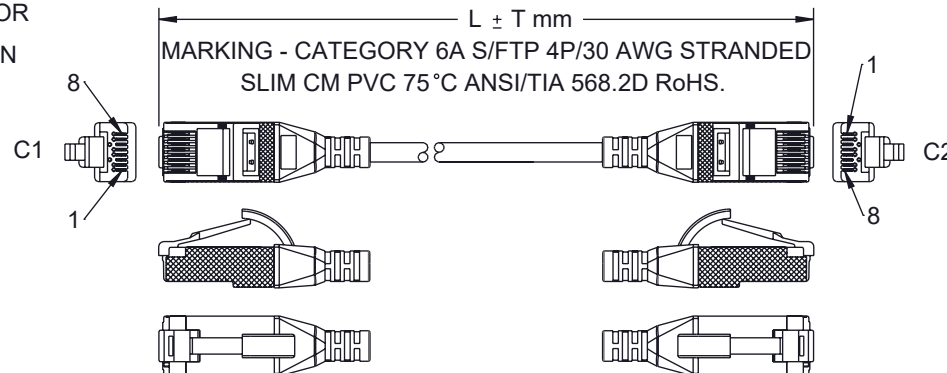
WIRING MAP

C1

C2



REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	UPDATED PER ECO-13842	09/17/2024	HBAKKE	GUTTADAURO



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)

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LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
X = ± 2 [5]
XX = ± 0.02 [0.5]
XXX = ± 0.005 [0.13]
FRACTIONS
± 1/32
ANGLES ± 1°

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
AND SUBJECT TO CHANGE WITHOUT NOTICE.
UN-DIMENSIONED/NON-CRITICAL FEATURES
MAY VARY IN SIZE AND LOCATION
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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,
1FT

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	PSRINIVAS	TRD630ADS-BLK-1F	B

6

5

4

3

2

1

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