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NOTES:-

OVERVIEW:

Bandwidth : 500 MHz
 O.D. : 3.0 mm
 CONDUCTOR : 30 AWG
 Approvals : RoHS
 Connector : 50 U" gold plated RJ45 connector

PHYSICAL Characteristics:

Cable Type - Cat6A UTP
 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
 Cable Length (L) : 25 ft with Tolerance (T) of $\pm 2.36 [60]$ in inch[mm]

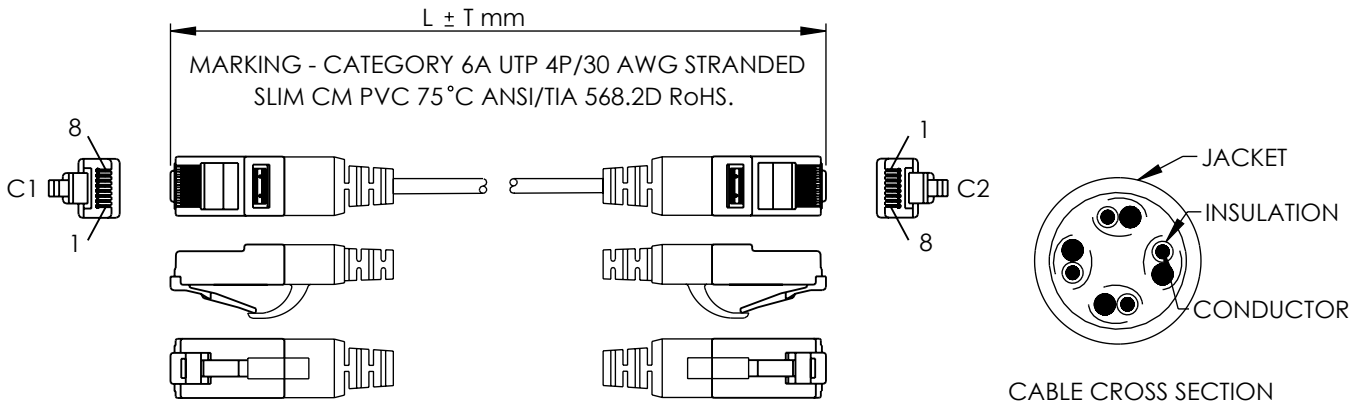
Conductor (Qty. 4 twisted pair):

Conductor Type - 30 AWG (7/0.10 \pm 0.008 mm), Stranded Bare Copper
 Insulator - HDPE
 Diameter - 0.51 \pm 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

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



Overall Cable :

Jacket - CM-PVC
 Minimum Average Thickness - 0.55 mm
 Outer Diameter - 3.0 \pm 0.15 mm

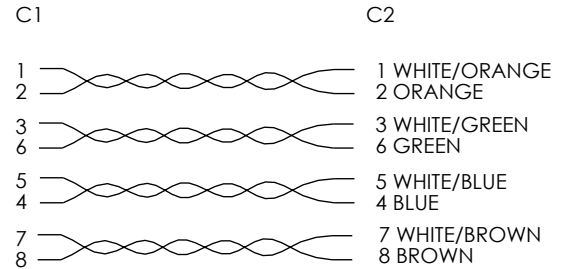
Electrical Characteristics:

Conductor DC Resistance - 45.23 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 Channel Test

REGULATORY COMPLIANCE:

EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION)

WIRING MAP



NOTE: 5 Pack Set of One Colour Only.

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

TOLERANCES:

.X = ± 2 [5]	FRACTIONS
.XX = $\pm .02$ [.5]	$\pm 1/32$
.XXX = $\pm .005$ [.13]	ANGLES $\pm 1^\circ$

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.



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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
SCALE	SHEET
NONE	1 OF 1

DESCRIPTION
 Category 6a 10gig Slim Ethernet Patch Cable, UTP 30AWG, RJ45 Male Plug, CM PVC, Blue, 25 Foot Length, 5 Packpr

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	PSRINIVAS	TRD630A-BLU-25F-5PK	A

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