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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) : 50 ft with Tolerance (T)
 of $\pm 3.15 [80]$ in inch[mm]

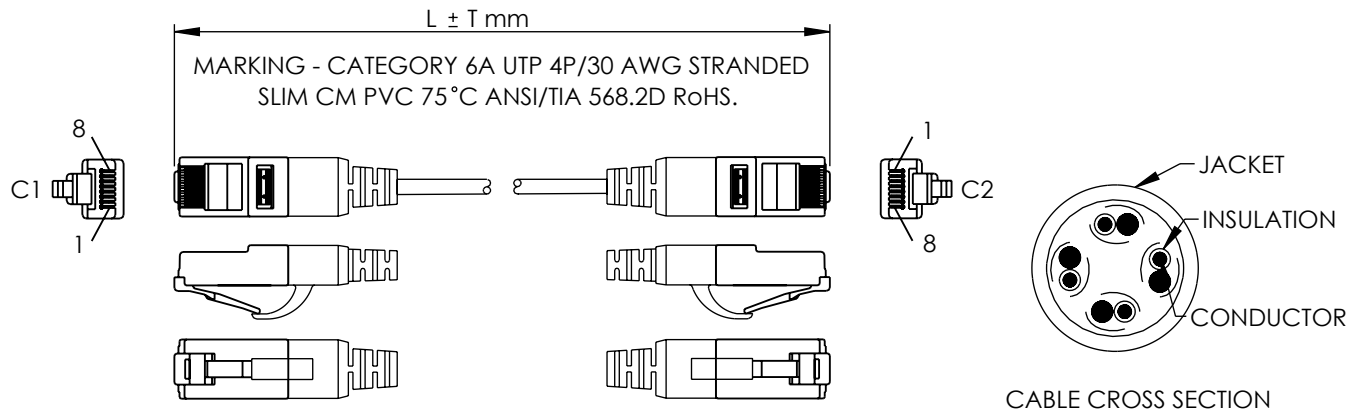
Conductor (Qty. 4 twisted pair):

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

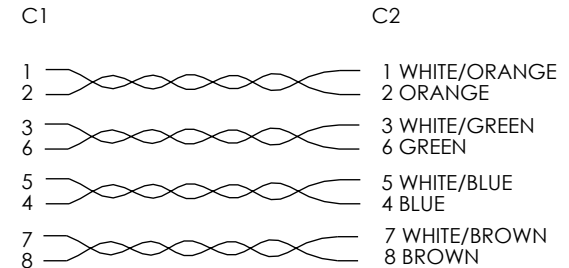
Electrical Characteristics:

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 \pm .2 [.5]	FRACTIONS \pm 1/32
.XX \pm .02 [.5]	ANGLES \pm 1°
.XXX \pm .005 [.13]	

CABLE LENGTH TOLERANCES:	
$\leq 12 [305]$	$= +1 [25] / -0$
$> 12 [305] \leq 60 [1524]$	$= +2 [51] / -0$
$> 60 [1524] \leq 120 [3048]$	$= +4 [102] / -0$
$> 120 [3048] \leq 300 [7620]$	$= +6 [152] / -0$
$> 300 [7620]$	$= +5\% / -0$

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, 50 Foot Length, 5 Pack

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	PSRINIVAS	TRD630A-BLU-50F-5PK	A

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