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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]

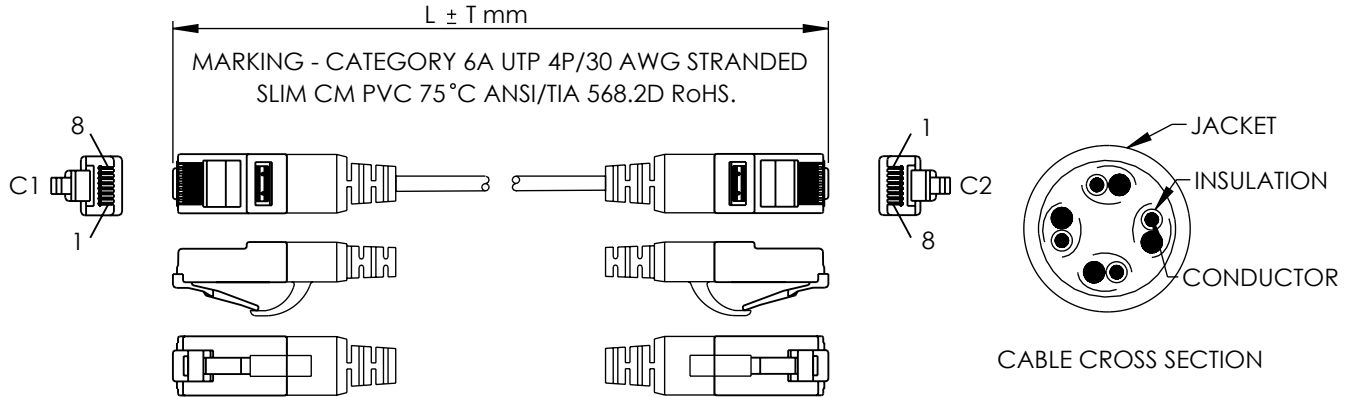
Conductor (Qty. 4 twisted pair):

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 :

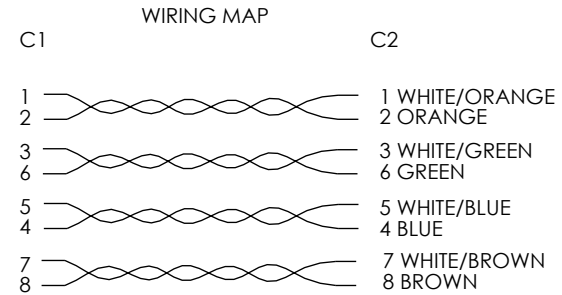
Jacket - CM-PVC  
 Minimum Average Thickness - 0.55 mm  
 Outer Diameter - 3.0  $\pm$  0.15 mm

Electrical Characteristics:

Conductor DC Resistance - 45.23  $\Omega$  / 100 m (maximum)  
 Impedance - 100  $\Omega$   
 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)



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 = $\pm 0.2$ [ 5 ]	FRACTIONS $\pm 1/32$
.XX = $\pm 0.02$ [ .5 ]	ANGLES $\pm 1^\circ$
.XXX = $\pm 0.005$ [ .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, Green, 50 Foot Length, 5 Pack

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

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