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REVISION

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

NOTES:-

OVERVIEW:

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

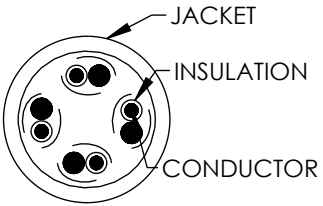
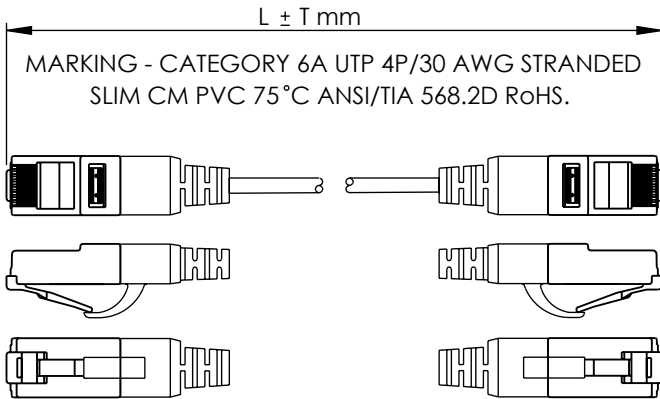
PHYSICAL Characteristics:

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) : 15 ft with Tolerance (T)  
 of + 1.37 [ 35 ] / - 1.18 [ 30 ] in inch [mm]

Conductor (Qty. 4 twisted pair):

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



CABLE CROSS SECTION

Overall Cable :

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

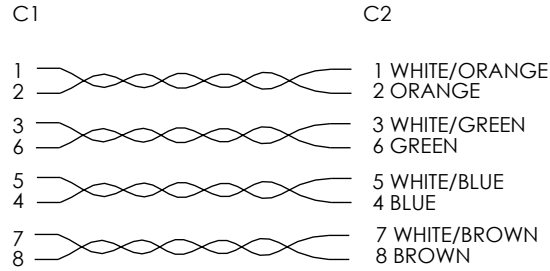
Electrical Characteristics:

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.

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 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, Black, 15 Foot Length, 5 Pack

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	PSRINIVAS	TRD630A-BLK-15F-5PK	A

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