

6

5

4

3

2

1

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]

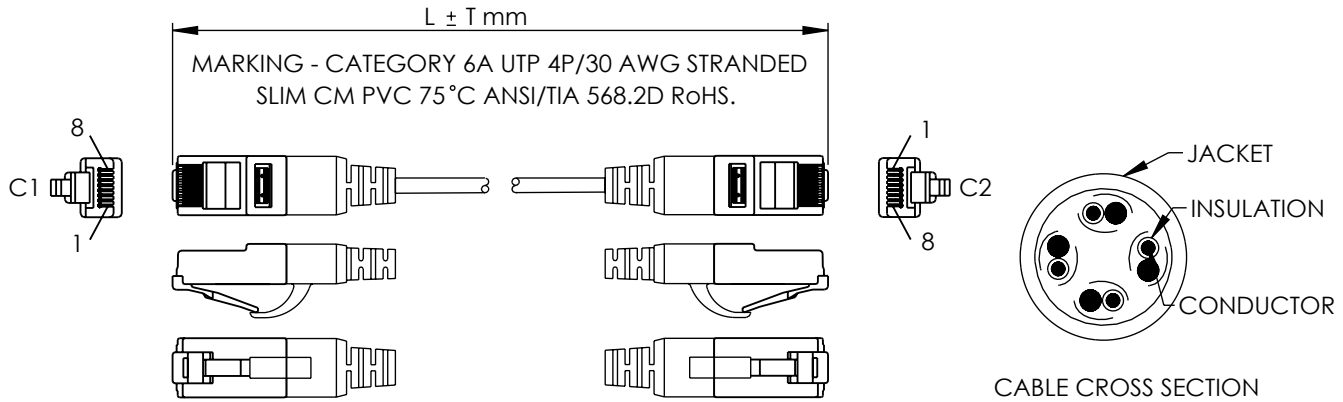
Conductor (Qty. 4 twisted pair):

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

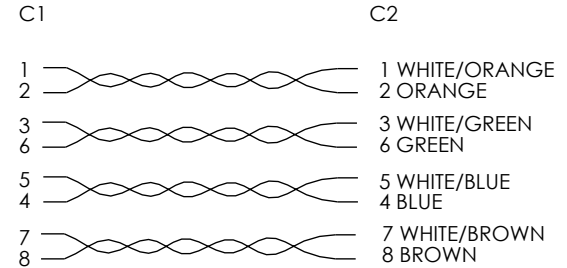
Electrical Characteristics:

Conductor DC Resistance - 45.23  $\Omega$  / 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)

WIRING MAP



NOTE: 5 Pack Set of One Colour Only.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

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.



an INFINITE brand  
 Website: www.L-com.com  
 Phone: 1.800.341.5266 | 1.978.682.6936



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, 25 Foot Length, 5 Pack

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

6

5

4

3

2

1