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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

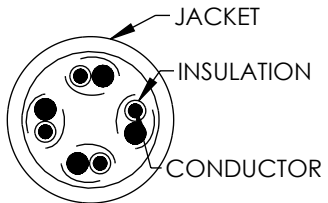
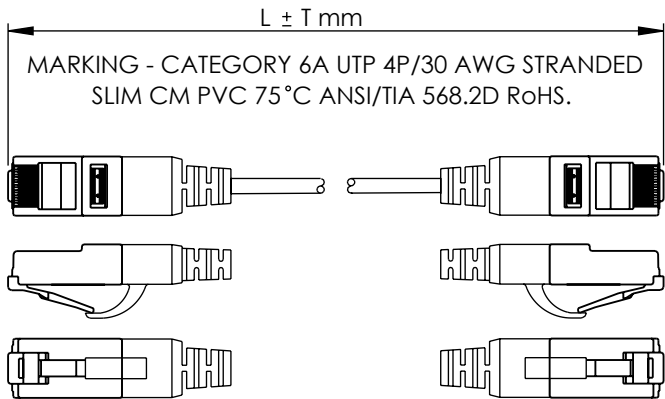
PHYSICAL Characteristics:

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) : 50 ft with Tolerance (T)
 of ± 3.15 [80] 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

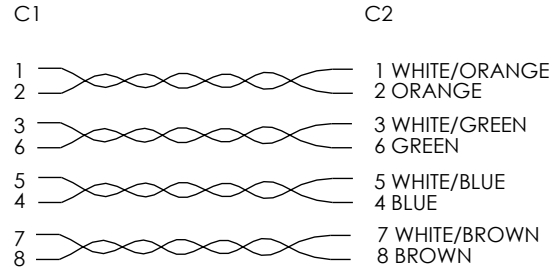
Electrical Characteristics:

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 |
| .XX = ±.02 [.5] | ± 1/32 |
| .XXX = ±.005 [.13] | ANGLES ± 1° |

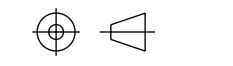
CABLE LENGTH TOLERANCES:

| | |
|--------------------------|-----------------|
| ≤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, 50 Foot Length, 5 Pack

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

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