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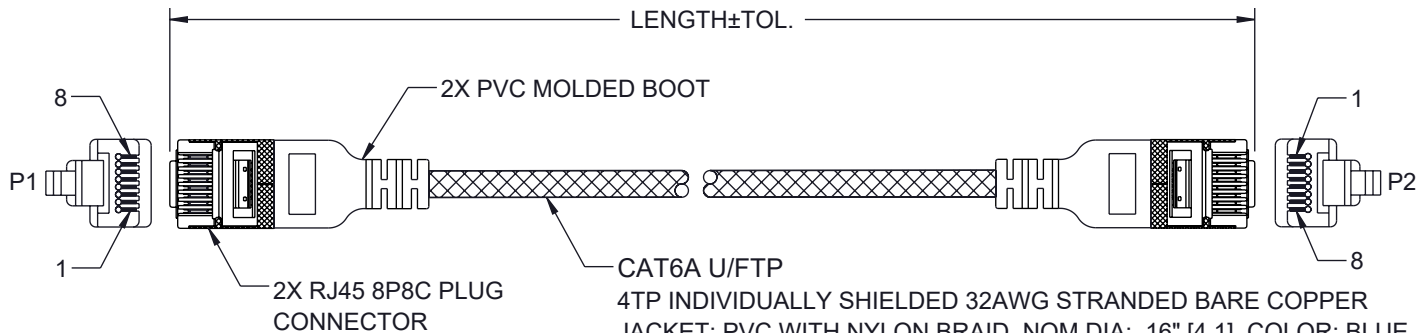
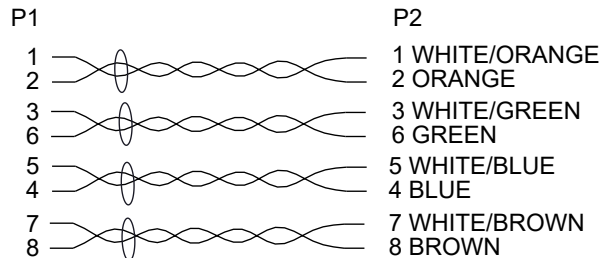
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## WIRING MAP



## NOTES:

## PHYSICAL:

- CONDUCTOR TYPE: 32AWG, STRANDED BC
- INSULATION: HDPE
- CONDUCTOR DIA:  $0.60 \pm 0.05$ mm
- CONNECTOR CONTACT MATERIAL: COPPER ALLOY, 50μ" GOLD PLATED
- MINIMUM AVERAGE CABLE THICKNESS: .026 [0.65].

## ELECTRICAL:

- BANDWIDTH: 500 MHz
- VOLTAGE RATING: 30 V
- CONDUCTOR DC RESISTANCE: 58.3Ω/100m (MAXIMUM)
- IMPEDANCE: 100Ω
- CAPACITANCE: 5600pf/100m
- PROPAGATION DELAY: 545ns/100m (MAXIMUM)
- DELAY SKEW: 45ns/100m (MAXIMUM)
- PASS FLUKE DSX 8000 CHANNEL TEST

## ENVIRONMENTAL:

- INSTALLATION TEMPERATURE RATING: 0°C TO +50°C
- OPERATING TEMPERATURE RATING: -20°C TO +60°C

## MISCELLANEOUS:

- CABLE ASSEMBLY TO BE TESTED FOR CONTINUITY.
- CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED.

## REGULATORY COMPLIANCE:

EU RoHS DIRECTIVE (MOST RECENTLY RELEASED VERSION).

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| REVISION |     |                 |            |            |
|----------|-----|-----------------|------------|------------|
| ZONE     | REV | DESCRIPTION     | DATE       | CHANGED BY |
|          | A   | INITIAL RELEASE | 01/15/2024 | HBAKKE     |
|          |     |                 |            | GUTTADAURO |

| ITEM NUMBER       | LENGTH [TOL.]       |                |
|-------------------|---------------------|----------------|
|                   | FEET [IN]           | METERS [mm]    |
| TRD632ABR-BLU-1F  | 1.00 [+1.38/- .59]  | 0.30 [+35/-15] |
| TRD632ABR-BLU-2F  | 2.00 [+1.38/- .59]  | 0.61 [+35/-15] |
| TRD632ABR-BLU-3F  | 3.00 [+1.38/- .59]  | 0.91 [+35/-15] |
| TRD632ABR-BLU-5F  | 5.00 [+1.38/- .79]  | 1.52 [+35/-20] |
| TRD632ABR-BLU-7F  | 7.00 [+1.38/-1.18]  | 2.13 [+35/-30] |
| TRD632ABR-BLU-10F | 10.00 [+1.38/-1.18] | 3.05 [+35/-30] |
| TRD632ABR-BLU-15F | 15.00 [+1.38/-1.18] | 4.57 [+35/-30] |
| TRD632ABR-BLU-20F | 20.00 [±2.36]       | 6.10 [±60]     |
| TRD632ABR-BLU-25F | 25.00 [±2.36]       | 7.62 [±60]     |

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

|                     |                     |
|---------------------|---------------------|
| X = ±.2 [5]         | FRACTIONS<br>± 1/32 |
| .XX = ±.02 [0.5]    | ANGLES ± 1°         |
| .XXX = ±.005 [0.13] |                     |

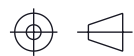
CABLE LENGTH TOLERANCES:

|                          |                |
|--------------------------|----------------|
| ≤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  
UN-DIMENSIONED/NON-CRITICAL FEATURES  
MAY VARY IN SIZE AND LOCATION  
COLORS MAY VARY

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INTERPRET ALL DIMENSIONS AND  
TOLERANCES PER ASME Y14.5

|       |        |
|-------|--------|
| SCALE | SHEET  |
| NONE  | 1 OF 1 |

DESCRIPTION

CAT 6A ETHERNET CABLE, U/FTP 32AWG, SLIM CABLE WITH  
NYLON COVERED JACKET, BLUE

| SIZE | CAGE CODE | DRAWN BY | ITEM NO.      | REV |
|------|-----------|----------|---------------|-----|
| A    | 43321     | HBAKKE   | TRD632ABR-BLU | A   |

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