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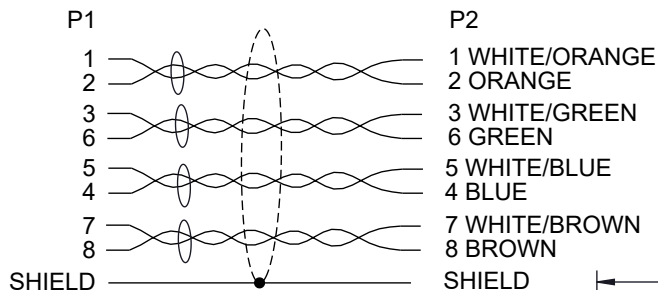
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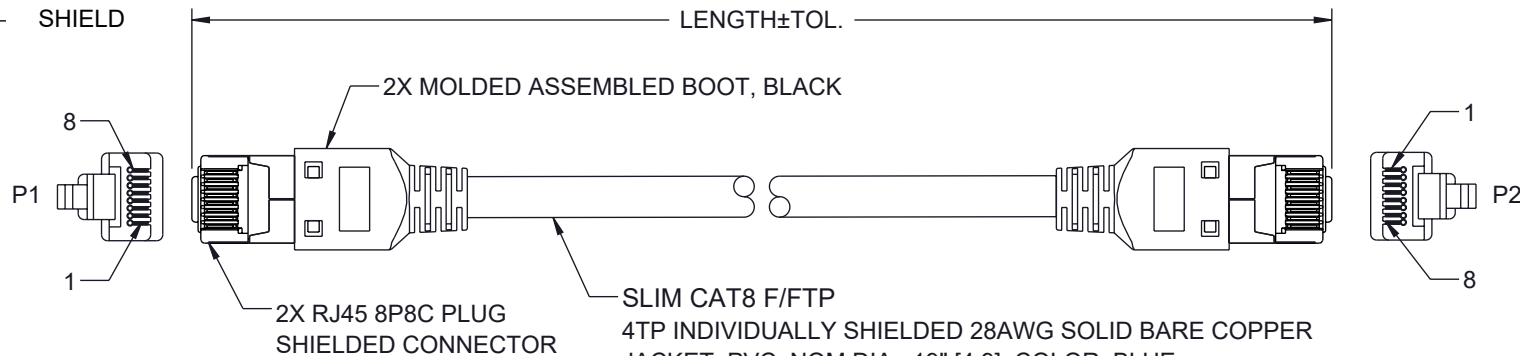
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## WIRING MAP



| REVISION |     |                 |            |            |            |
|----------|-----|-----------------|------------|------------|------------|
| ZONE     | REV | DESCRIPTION     | DATE       | CHANGED BY | APPROVED   |
|          | A   | INITIAL RELEASE | 06/03/2024 | DZINN      | GUTTADAURO |



## NOTES:

## PHYSICAL:

- CONDUCTOR TYPE: 28AWG, SOLID BC
- INSULATION: HDPE
- CONDUCTOR DIA: 0.85±0.05mm
- CONNECTOR CONTACT MATERIAL: COPPER ALLOY, 50µ" GOLD PLATED
- MINIMUM AVERAGE CABLE THICKNESS: .024 [0.60].

## ELECTRICAL:

- BANDWIDTH: 2000 MHz
- VOLTAGE RATING: 30 V
- CONDUCTOR DC RESISTANCE: 24.2Ω/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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| ITEM NUMBER      | LENGTH [TOL.]       |                |
|------------------|---------------------|----------------|
|                  | FEET [IN]           | METERS [mm]    |
| TRD828TR-BLU-1F  | 1.00 [+1.38/- .59]  | 0.30 [+35/-15] |
| TRD828TR-BLU-2F  | 2.00 [+1.38/- .59]  | 0.61 [+35/-15] |
| TRD828TR-BLU-3F  | 3.00 [+1.38/- .59]  | 0.91 [+35/-15] |
| TRD828TR-BLU-5F  | 5.00 [+1.38/- .79]  | 1.52 [+35/-20] |
| TRD828TR-BLU-7F  | 7.00 [+1.38/-1.18]  | 2.13 [+35/-30] |
| TRD828TR-BLU-10F | 10.00 [+1.38/-1.18] | 3.05 [+35/-30] |
| TRD828TR-BLU-15F | 15.00 [+1.38/-1.18] | 4.57 [+35/-30] |
| TRD828TR-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 = ±0.02 [0.5]    | ANGLES ± 1°         |
| .XXX = ±0.005 [0.13] |                     |

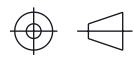
CABLE LENGTH TOLERANCES:

|                          |                 |
|--------------------------|-----------------|
| ≤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

Cat8 CA, F/FTP 28AWG, SB CONN, PVC, BLU

| SIZE | CAGE CODE | DRAWN BY | ITEM NO.     | REV |
|------|-----------|----------|--------------|-----|
| A    | 43321     | DZINN    | TRD828TR-BLU | A   |

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