

6

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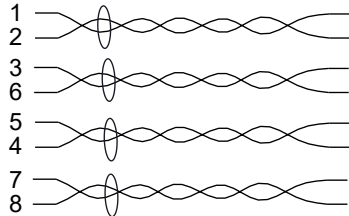
3

2

1

## WIRING MAP

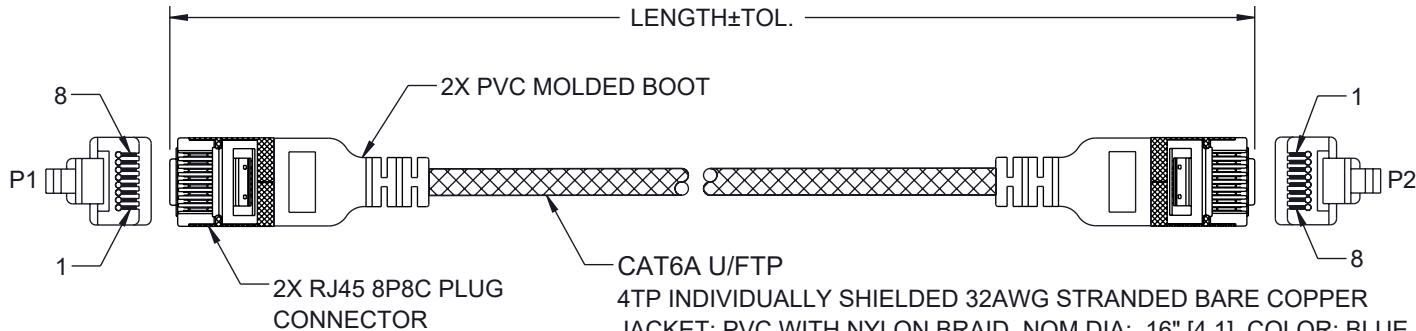
P1



P2

- 1 WHITE/ORANGE
- 2 ORANGE
- 3 WHITE/GREEN
- 6 GREEN
- 5 WHITE/BLUE
- 4 BLUE
- 7 WHITE/BROWN
- 8 BROWN

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



## NOTES:

## PHYSICAL:

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

## ELECTRICAL:

- BANDWIDTH: 500 MHz
- VOLTAGE RATING: 30 V
- CONDUCTOR DC RESISTANCE: 58.3 $\Omega$ /100m (MAXIMUM)
- IMPEDANCE: 100 $\Omega$
- 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]      |
| 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 [ $\pm$ 2.36] | 6.10 [ $\pm$ 60] |
| TRD632ABR-BLU-25F | 25.00 [ $\pm$ 2.36] | 7.62 [ $\pm$ 60] |

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

## TOLERANCES:

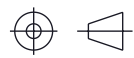
|                           |                         |
|---------------------------|-------------------------|
| X = $\pm$ 2 [5]           | FRACTIONS<br>$\pm$ 1/32 |
| .XX = $\pm$ 0.02 [0.5]    | ANGLES $\pm$ 1°         |
| .XXX = $\pm$ 0.005 [0.13] |                         |

|                                  |                    |
|----------------------------------|--------------------|
| CABLE LENGTH TOLERANCES:         |                    |
| $\leq$ 12 [305]                  | $\pm$ 1 [25] / -0  |
| $>$ 12 [305] $\leq$ 60 [1524]    | $\pm$ 2 [51] / -0  |
| $>$ 60 [1524] $\leq$ 120 [3048]  | $\pm$ 4 [102] / -0 |
| $>$ 120 [3048] $\leq$ 300 [7620] | $\pm$ 6 [152] / -0 |
| $>$ 300 [7620]                   | $\pm$ 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  
NONE

SHEET  
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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