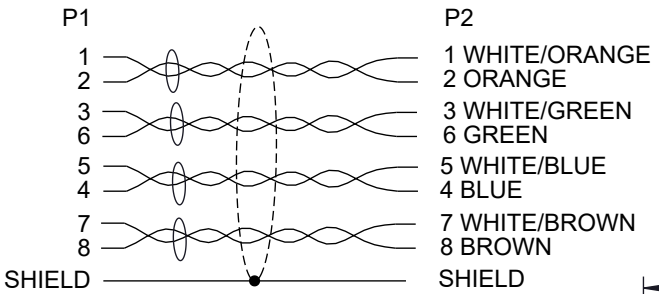
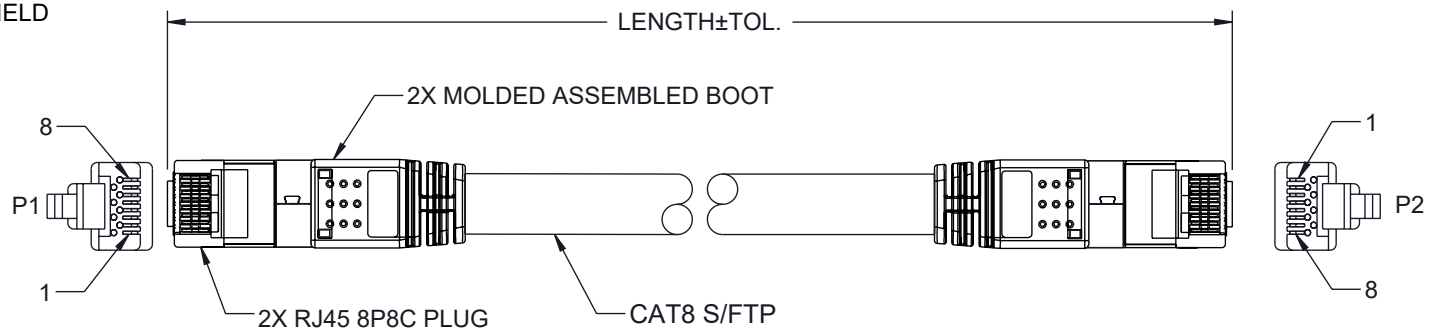
| REVISION | | | | | |
|---|---|---|---|---|---|
| ZONE | REV | DESCRIPTION | DATE | CHANGED BY | APPROVED |
| | A | INITIAL RELEASE | 06/03/2024 | DZINN | GUTTADAURO |

WIRING MAP




NOTES:

PHYSICAL:
- CONDUCTOR TYPE: 24AWG, STRANDED BC
- INSULATION: FMPE
- CONDUCTOR DIA: 1.4 ±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: 11.25Ω/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).

| ITEM NUMBER | LENGTH [TOL.] | |
|---|---|---|
| | FEET [IN] | METERS [mm] |
| TRD824TR-BLK-1F | 1.00 [+1.38/-.59] | 0.30 [+35/-15] |
| TRD824TR-BLK-2F | 2.00 [+1.38/-.59] | 0.61 [+35/-15] |
| TRD824TR-BLK-3F | 3.00 [+1.38/-.59] | 0.91 [+35/-15] |
| TRD824TR-BLK-5F | 5.00 [+1.38/-.79] | 1.52 [+35/-20] |
| TRD824TR-BLK-7F | 7.00 [+1.38/-1.18] | 2.13 [+35/-30] |
| TRD824TR-BLK-10F | 10.00 [+1.38/-1.18] | 3.05 [+35/-30] |
| TRD824TR-BLK-15F | 15.00 [+1.38/-1.18] | 4.57 [+35/-30] |
| TRD824TR-BLK-25F | 25.00 [±2.36] | 7.62 [±60] |

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS
TOLERANCES:
.X = ±.2 [5] | FRACTIONS ± 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

L-com®
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
CAT 8 40GIG ETHERNET CABLE, S/FTP 24AWG, TENSILE RESISTANT, PVC JACKET, BLACK

| SIZE | CAGE CODE | DRAWN BY | ITEM NO. | REV |
|---|---|---|---|---|
| A | 43321 | DZINN | TRD824TR-BLK | A |

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.