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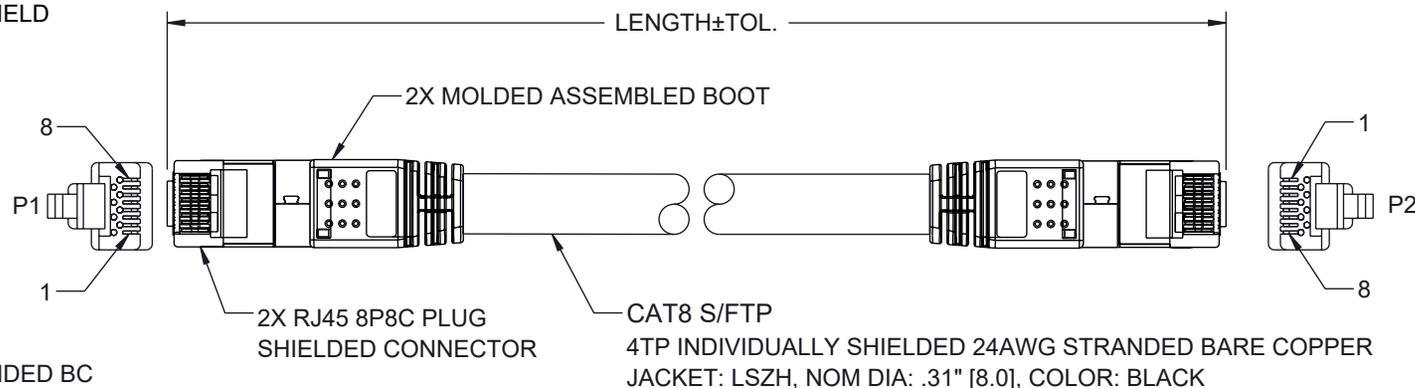
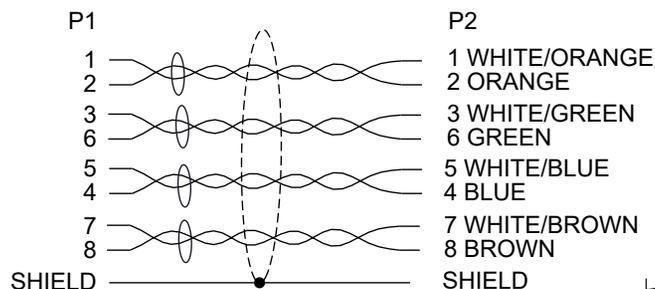
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## REVISION

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	01/15/2024	HBAKKE	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).

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ITEM NUMBER	LENGTH [TOL.]	
	FEET [IN]	METERS [mm]
TRD824ZTR-BLK-1F	1.00 [+1.38/- .59]	0.30 [+35/-15]
TRD824ZTR-BLK-2F	2.00 [+1.38/- .59]	0.61 [+35/-15]
TRD824ZTR-BLK-3F	3.00 [+1.38/- .59]	0.91 [+35/-15]
TRD824ZTR-BLK-5F	5.00 [+1.38/- .79]	1.52 [+35/-20]
TRD824ZTR-BLK-7F	7.00 [+1.38/-1.18]	2.13 [+35/-30]
TRD824ZTR-BLK-10F	10.00 [+1.38/-1.18]	3.05 [+35/-30]
TRD824ZTR-BLK-15F	15.00 [+1.38/-1.18]	4.57 [+35/-30]
TRD824ZTR-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

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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, LSZH JACKET, BLACK

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	HBAKKE	TRD824ZTR-BLK	A

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