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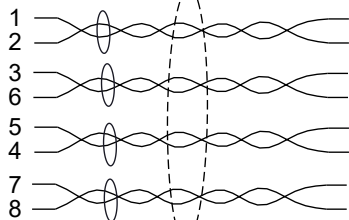
2

1

WIRING MAP

P1

P2

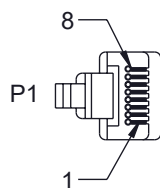


1 WHITE/ORANGE
2 ORANGE
3 WHITE/GREEN
6 GREEN
5 WHITE/BLUE
4 BLUE
7 WHITE/BROWN
8 BROWN

SHIELD

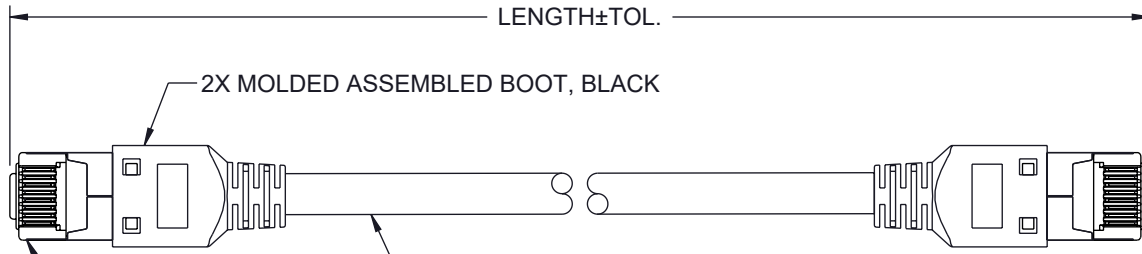
SHIELD

LENGTH±TOL.



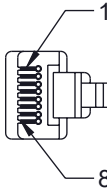
8

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2X RJ45 8P8C PLUG
SHIELDED CONNECTOR

SLIM CAT8 F/FTP
4TP INDIVIDUALLY SHIELDED 28AWG SOLID BARE COPPER
JACKET: PVC, NOM DIA: .19" [4.9], COLOR: BLUE



P2

8

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

ITEM NUMBER	LENGTH [TOL.]	
	FEET [IN]	METERS [mm]
828TR-BLU-1F	1.00 [+1.38/- .59]	0.30 [+35/-15]
828TR-BLU-2F	2.00 [+1.38/- .59]	0.61 [+35/-15]
828TR-BLU-3F	3.00 [+1.38/- .59]	0.91 [+35/-15]
828TR-BLU-5F	5.00 [+1.38/- .79]	1.52 [+35/-20]
828TR-BLU-7F	7.00 [+1.38/-1.18]	2.13 [+35/-30]
828TR-BLU-10F	10.00 [+1.38/-1.18]	3.05 [+35/-30]
828TR-BLU-15F	15.00 [+1.38/-1.18]	4.57 [+35/-30]
828TR-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 ± 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

NONE

SHEET

1 OF 1

DESCRIPTION

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

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3SVT8	DZINN	828TR-BLU	A

6

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