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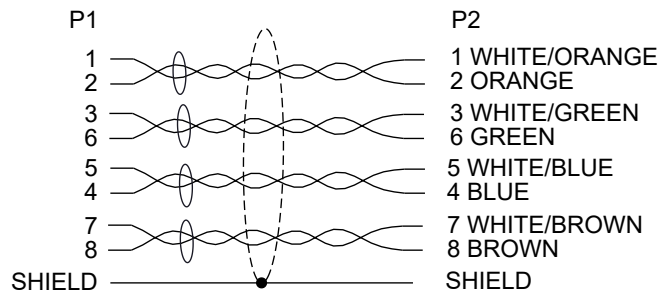
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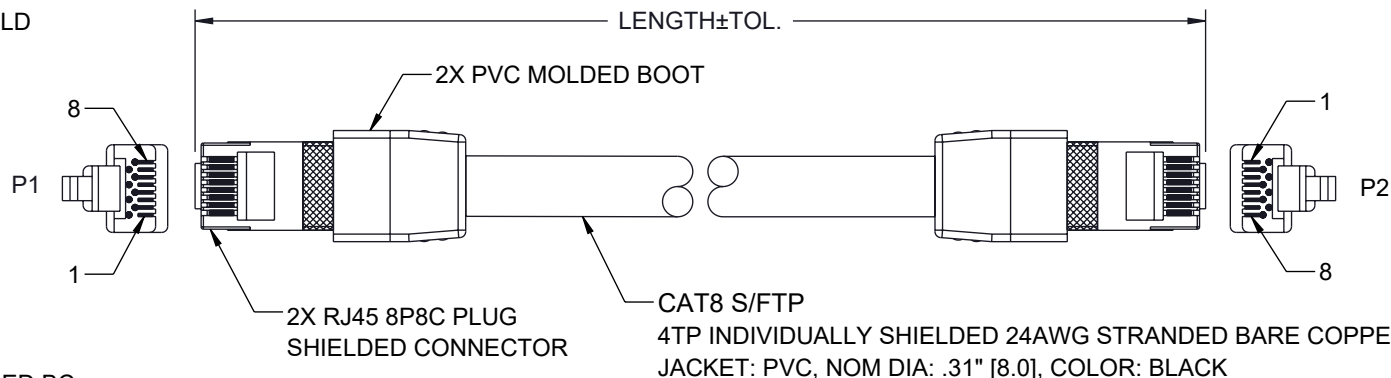
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WIRING MAP



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



NOTES:

PHYSICAL:

- CONDUCTOR TYPE: 24AWG, STRANDED BC
- INSULATION: FMPE
- CONDUCTOR DIA: $1.4 \pm 0.05\text{mm}$
- CONNECTOR CONTACT MATERIAL: COPPER ALLOY, $50\mu\text{m}$ GOLD PLATED
- MINIMUM AVERAGE CABLE THICKNESS: .024 [0.60].

ELECTRICAL:

- BANDWIDTH: 2000 MHz
- VOLTAGE RATING: 30 V
- CONDUCTOR DC RESISTANCE: $11.25\Omega/100\text{m}$ (MAXIMUM)
- IMPEDANCE: 100Ω
- CAPACITANCE: $5600\text{pf}/100\text{m}$
- PROPAGATION DELAY: $545\text{ns}/100\text{m}$ (MAXIMUM)
- DELAY SKEW: $45\text{ns}/100\text{m}$ (MAXIMUM)
- PASS FLUKE DSX 8000 CHANNEL TEST

ENVIRONMENTAL:

- INSTALLATION TEMPERATURE RATING: 0°C TO $+50^{\circ}\text{C}$
- OPERATING TEMPERATURE RATING: -20°C TO $+60^{\circ}\text{C}$

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]
TRD824DC-BLK-1F	1.00 [+1.38/- .59]	0.30 [+35/-15]
TRD824DC-BLK-2F	2.00 [+1.38/- .59]	0.61 [+35/-15]
TRD824DC-BLK-3F	3.00 [+1.38/- .59]	0.91 [+35/-15]
TRD824DC-BLK-5F	5.00 [+1.38/- .79]	1.52 [+35/-20]
TRD824DC-BLK-7F	7.00 [+1.38/-1.18]	2.13 [+35/-30]
TRD824DC-BLK-10F	10.00 [+1.38/-1.18]	3.05 [+35/-30]
TRD824DC-BLK-15F	15.00 [+1.38/-1.18]	4.57 [+35/-30]
TRD824DC-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
.XX = $\pm .02$ [0.5]	$\pm 1/32$
.XXX = $\pm .005$ [0.13]	ANGLES $\pm 1^{\circ}$

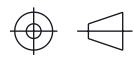
CABLE LENGTH TOLERANCES:

≤ 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, DUAL COLOR
MOLDED, PVC JACKET, BLACK

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DZINN	TRD824DC-BLK	A

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