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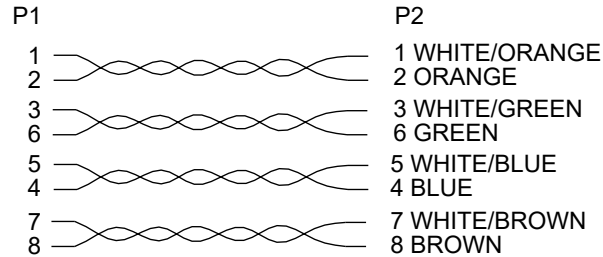
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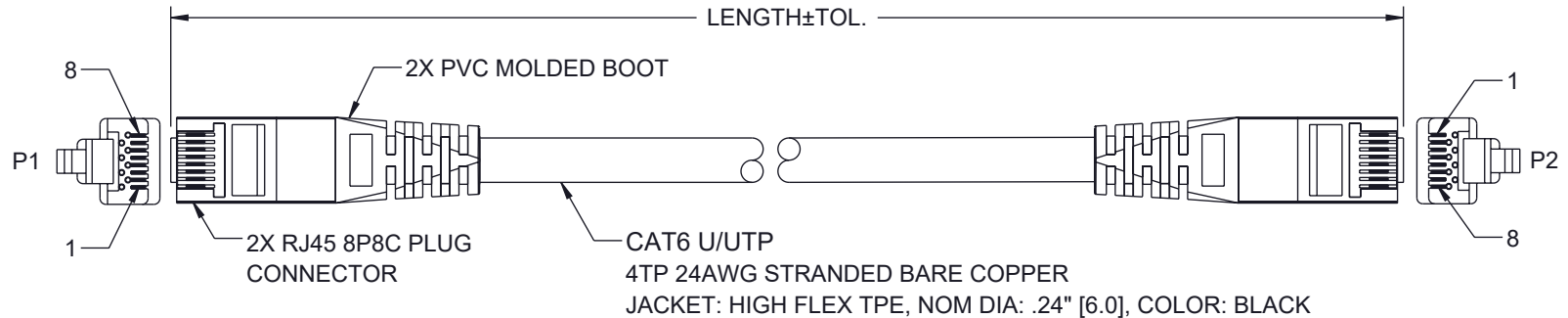
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WIRING MAP



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



NOTES:

PHYSICAL:

- CONDUCTOR TYPE: 24AWG, STRANDED BC
- INSULATION: HDPE
- CONDUCTOR DIA: $0.95 \pm 0.05\text{mm}$
- CONNECTOR CONTACT MATERIAL: COPPER ALLOY, $50\mu\text{\"}$ GOLD PLATED
- MINIMUM AVERAGE CABLE THICKNESS: $.024 [0.60]$.

ELECTRICAL:

- BANDWIDTH: 250 MHz
- VOLTAGE RATING: 30 V
- CONDUCTOR DC RESISTANCE: $11.25\Omega/100\text{m}$ (MAXIMUM)
- IMPEDANCE: 100 Ω
- 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 $+50^{\circ}\text{C}$
- OPERATING TEMPERATURE RATING: -20°C TO $+75^{\circ}\text{C}$

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]
TRD624HFO-TB-1F	1.00 [+1.38/- .59]	0.30 [+35/-15]
TRD624HFO-TB-2F	2.00 [+1.38/- .59]	0.61 [+35/-15]
TRD624HFO-TB-3F	3.00 [+1.38/- .59]	0.91 [+35/-15]
TRD624HFO-TB-5F	5.00 [+1.38/- .79]	1.52 [+35/-20]
TRD624HFO-TB-7F	7.00 [+1.38/-1.18]	2.13 [+35/-30]
TRD624HFO-TB-10F	10.00 [+1.38/-1.18]	3.05 [+35/-30]
TRD624HFO-TB-15F	15.00 [+1.38/-1.18]	4.57 [+35/-30]
TRD624HFO-TB-25F	25.00 [±2.36]	7.62 [±60]
TRD624HFO-TB-50F	50.00 [±3.15]	15.24 [±80]
TRD624HFO-TB-70F	70.00 [±3.15]	21.34 [±80]
TRD624HFO-TB-100F	100.00 [±3.15]	30.48 [±80]

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

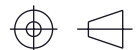
TOLERANCES:
 X = $\pm 2 [5]$ FRACTIONS
 XX = $\pm 0.02 [0.5]$ ± 1/32
 XXX = $\pm 0.005 [0.13]$ ANGLES $\pm 1^{\circ}$

CABLE LENGTH TOLERANCES:
 $\leq 12 [305] = +1 [25] / -0$
 $>12 [305] \leq 60 [1524] = +2 [51] / -0$
 $>60 [1524] \leq 120 [3048] = +4 [102] / -0$
 $>120 [3048] \leq 300 [7620] = +6 [152] / -0$
 $>300 [7620] = +5\% / -0$

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 6 ETHERNET CABLE, U/UTP 24AWG, HIGH FLEX TPE
JACKET, BLACK

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	HBAKKE	TRD624HFO-TB	1

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