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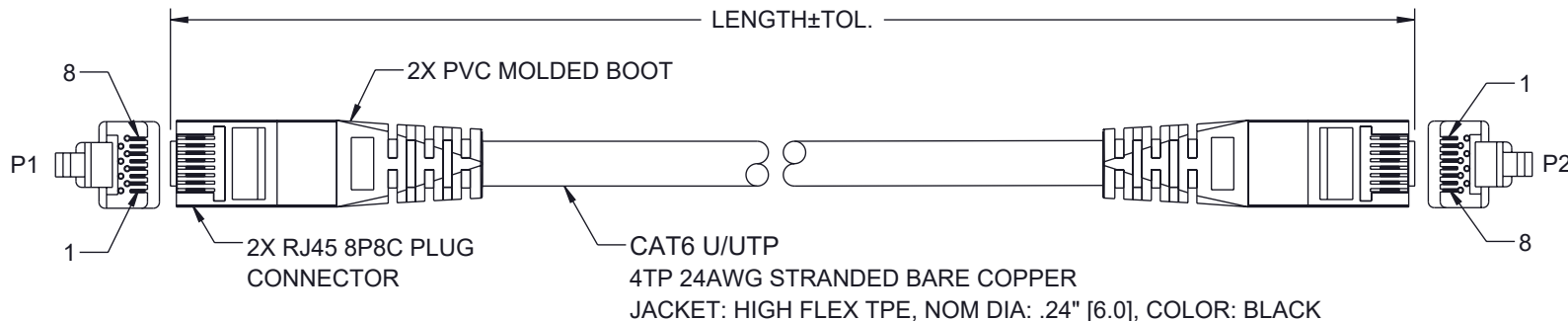
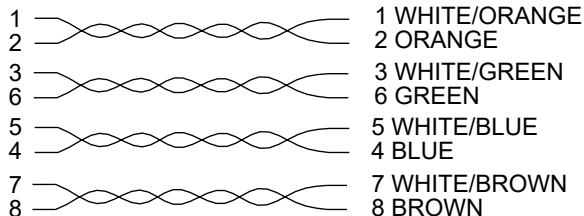
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WIRING MAP

P1

P2



NOTES:

PHYSICAL:

- CONDUCTOR TYPE: 24AWG, STRANDED BC
- INSULATION: HDPE
- CONDUCTOR DIA: $0.95 \pm 0.05\text{mm}$
- CONNECTOR CONTACT MATERIAL: COPPER ALLOY, 50μ" 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: 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 +75°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
	1	INITIAL RELEASE	01/15/2024	HBAKKE	GUTTADAURO

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 = ±.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 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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