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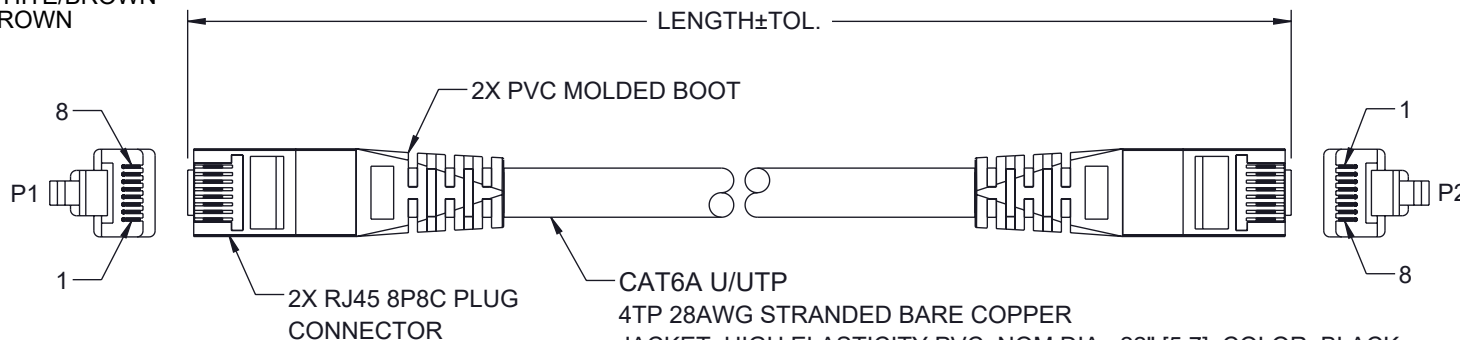
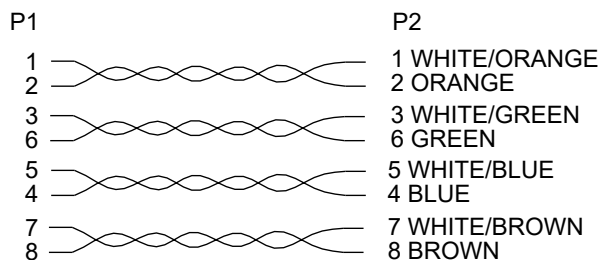
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REVISION

1

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

## WIRING MAP



## NOTES:

## PHYSICAL:

- CONDUCTOR TYPE: 28AWG, STRANDED BC
- CONDUCTOR DIA:  $0.60 \pm 0.05$ mm
- CONNECTOR CONTACT MATERIAL: COPPER ALLOY, 50μ" GOLD PLATED
- MINIMUM AVERAGE CABLE THICKNESS: .028 [0.70].

## ELECTRICAL:

- BANDWIDTH: 500 MHz
- VOLTAGE RATING: 30 V
- CONDUCTOR DC RESISTANCE: 28.45Ω/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]
TRD628A-IAC-1F	1.00 [+1.38/- .59]	0.30 [+35/-15]
TRD628A-IAC-2F	2.00 [+1.38/- .59]	0.61 [+35/-15]
TRD628A-IAC-3F	3.00 [+1.38/- .59]	0.91 [+35/-15]
TRD628A-IAC-5F	5.00 [+1.38/- .79]	1.52 [+35/-20]
TRD628A-IAC-7F	7.00 [+1.38/-1.18]	2.13 [+35/-30]
TRD628A-IAC-10F	10.00 [+1.38/-1.18]	3.05 [+35/-30]
TRD628A-IAC-15F	15.00 [+1.38/-1.18]	4.57 [+35/-30]
TRD628A-IAC-25F	25.00 [±2.36]	7.62 [±60]
TRD628A-IAC-50F	50.00 [±3.15]	15.24 [±80]

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

TOLERANCES:  
X = ±.2 [5]      FRACTIONS  
XX = ±.02 [0.5]      ± 1/32  
.XXX = ±.005 [0.13]      ANGLES ± 1°

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 6A ETHERNET CABLE, U/UTP 28AWG, SLIM CABLE WITH  
FLEXIBLE ARMOR JACKET, BLACK

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	HBAKKE	TRD628A-IAC	A

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