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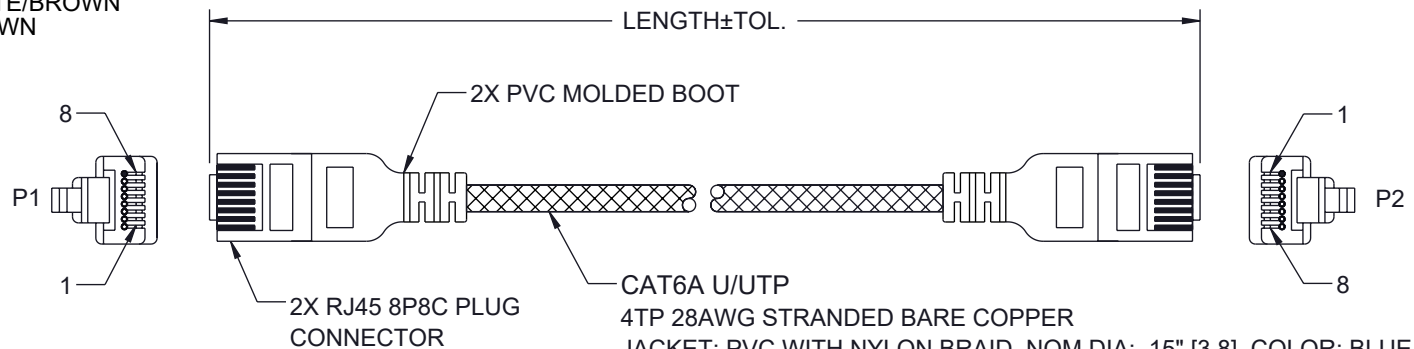
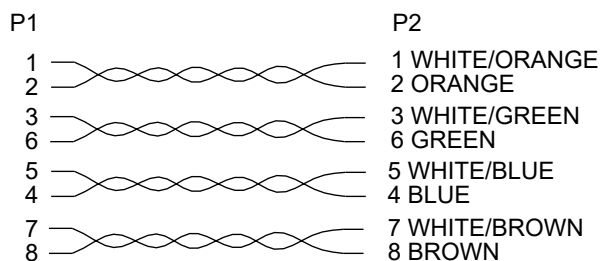
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## REVISION

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

## WIRING MAP



## NOTES:

## PHYSICAL:

- CONDUCTOR TYPE: 28AWG, STRANDED BC
- INSULATION: HDPE
- CONDUCTOR DIA:  $0.61 \pm 0.05\text{mm}$
- CONNECTOR CONTACT MATERIAL: COPPER ALLOY,  $50\mu\text{m}$  GOLD PLATED
- MINIMUM AVERAGE CABLE THICKNESS:  $.024 [0.60]$ .

## ELECTRICAL:

- BANDWIDTH: 500 MHz
- VOLTAGE RATING: 30 V
- CONDUCTOR DC RESISTANCE:  $28.45\Omega/100\text{m}$  (MAXIMUM)
- IMPEDANCE: 100 $\Omega$
- CAPACITANCE: 5600pf/100m
- PROPAGATION DELAY: 545ns/100m (MAXIMUM)
- DELAY SKEW: 45ns/100m (MAXIMUM)
- PASS FLUKE DSX 8000 CHANNEL TEST

## ENVIRONMENTAL:

- INSTALLATION TEMPERATURE RATING:  $0^{\circ}\text{C}$  TO  $+50^{\circ}\text{C}$
- OPERATING TEMPERATURE RATING:  $-20^{\circ}\text{C}$  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]
TRD628ABR-BLU-1F	1.00 [+1.38/- .59]	0.30 [+35/-15]
TRD628ABR-BLU-2F	2.00 [+1.38/- .59]	0.61 [+35/-15]
TRD628ABR-BLU-3F	3.00 [+1.38/- .59]	0.91 [+35/-15]
TRD628ABR-BLU-5F	5.00 [+1.38/- .79]	1.52 [+35/-20]
TRD628ABR-BLU-7F	7.00 [+1.38/-1.18]	2.13 [+35/-30]
TRD628ABR-BLU-10F	10.00 [+1.38/-1.18]	3.05 [+35/-30]
TRD628ABR-BLU-15F	15.00 [+1.38/-1.18]	4.57 [+35/-30]
TRD628ABR-BLU-20F	20.00 [±2.36]	6.10 [±60]
TRD628ABR-BLU-25F	25.00 [±2.36]	7.62 [±60]

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

## TOLERANCES:

	FRACTIONS
X = ±.2 [5]	± 1/32
.XX = ±.02 [0.5]	± 1/64
.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  
NYLON COVERED JACKET, BLUE

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	HBAKKE	TRD628ABR-BLU	A

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