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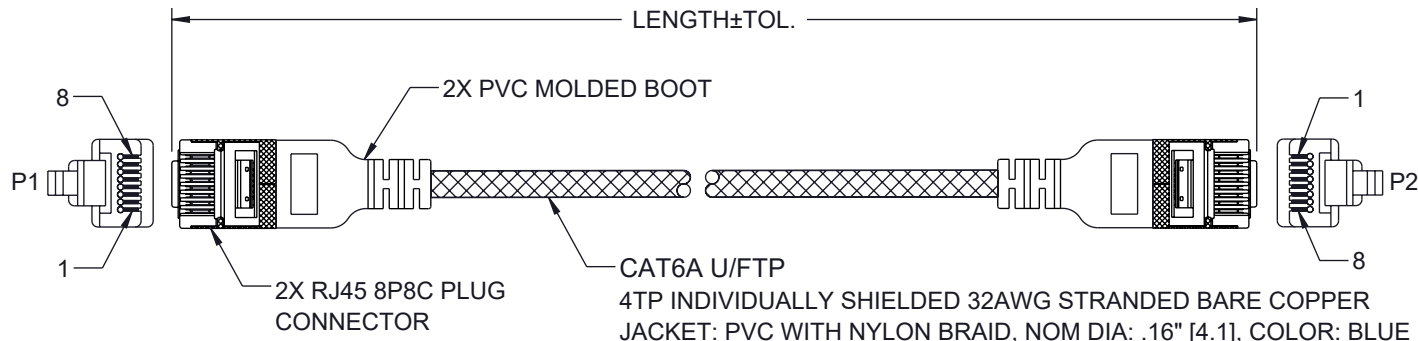
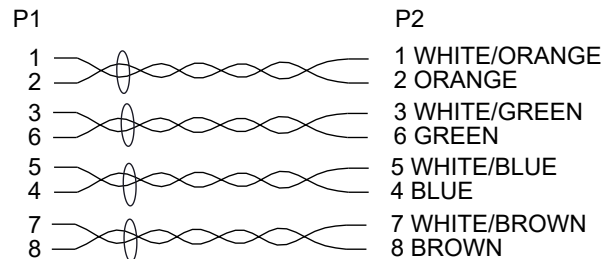
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## REVISION

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

## WIRING MAP



## NOTES:

## PHYSICAL:

- CONDUCTOR TYPE: 32AWG, STRANDED BC
- INSULATION: HDPE
- CONDUCTOR DIA:  $0.60 \pm 0.05$ mm
- CONNECTOR CONTACT MATERIAL: COPPER ALLOY, 50 $\mu$ " GOLD PLATED
- MINIMUM AVERAGE CABLE THICKNESS: .026 [0.65].

## ELECTRICAL:

- BANDWIDTH: 500 MHz
- VOLTAGE RATING: 30 V
- CONDUCTOR DC RESISTANCE: 58.3 $\Omega$ /100m (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°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]
632ABR-BLU-1F	1.00 [+1.38/- .59]	0.30 [+35/-15]
632ABR-BLU-2F	2.00 [+1.38/- .59]	0.61 [+35/-15]
632ABR-BLU-3F	3.00 [+1.38/- .59]	0.91 [+35/-15]
632ABR-BLU-5F	5.00 [+1.38/- .79]	1.52 [+35/-20]
632ABR-BLU-7F	7.00 [+1.38/-1.18]	2.13 [+35/-30]
632ABR-BLU-10F	10.00 [+1.38/-1.18]	3.05 [+35/-30]
632ABR-BLU-15F	15.00 [+1.38/-1.18]	4.57 [+35/-30]
632ABR-BLU-20F	20.00 [±2.36]	6.10 [±60]
632ABR-BLU-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 = ±.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/FTP 32AWG, SLIM CABLE WITH NYLON COVERED JACKET, BLUE

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3SVT8	HBAKKE	632ABR-BLU	A

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