

6

5

4

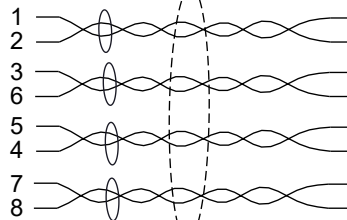
3

2

1

WIRING MAP

P1



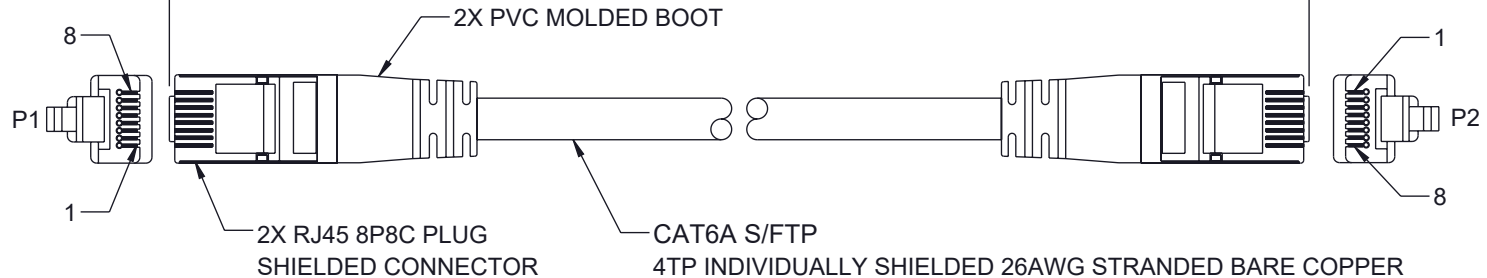
P2

1 WHITE/ORANGE
2 ORANGE
3 WHITE/GREEN
6 GREEN
5 WHITE/BLUE
4 BLUE
7 WHITE/BROWN
8 BROWN

SHIELD

SHIELD

LENGTH±TOL.



NOTES:

PHYSICAL:

- CONDUCTOR TYPE: 26AWG, STRANDED BC
- INSULATION: FMPE
- CONDUCTOR DIA: $1.04 \pm 0.05\text{mm}$
- CONNECTOR CONTACT MATERIAL: COPPER ALLOY, 50μ " GOLD PLATED
- MINIMUM AVERAGE CABLE THICKNESS: $.024 [0.60]$.

ELECTRICAL:

- BANDWIDTH: 500 MHz
- VOLTAGE RATING: 30 V
- CONDUCTOR DC RESISTANCE: $17.89\Omega/100\text{m}$ (MAXIMUM)
- IMPEDANCE: 100Ω
- CAPACITANCE: $5600\text{pf}/100\text{m}$
- PROPAGATION DELAY: $545\text{ns}/100\text{m}$ (MAXIMUM)
- DELAY SKEW: $45\text{ns}/100\text{m}$ (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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REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	01/15/2024	HBAKKE	GUTTADAURO

ITEM NUMBER	LENGTH [TOL.]	
	FEET [IN]	METERS [mm]
TRD626AHFO-TB-1F	1.00 [+1.38/- .59]	0.30 [+35/-15]
TRD626AHFO-TB-2F	2.00 [+1.38/- .59]	0.61 [+35/-15]
TRD626AHFO-TB-3F	3.00 [+1.38/- .59]	0.91 [+35/-15]
TRD626AHFO-TB-5F	5.00 [+1.38/- .79]	1.52 [+35/-20]
TRD626AHFO-TB-7F	7.00 [+1.38/-1.18]	2.13 [+35/-30]
TRD626AHFO-TB-10F	10.00 [+1.38/-1.18]	3.05 [+35/-30]
TRD626AHFO-TB-15F	15.00 [+1.38/-1.18]	4.57 [+35/-30]
TRD626AHFO-TB-25F	25.00 ± 2.36	7.62 ± 60
TRD626AHFO-TB-50F	50.00 ± 3.15	15.24 ± 80
TRD626AHFO-TB-70F	70.00 ± 3.15	21.34 ± 80
TRD626AHFO-TB-100F	100.00 ± 3.15	30.48 ± 80

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

TOLERANCES:

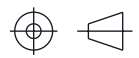
X = $\pm 2 [5]$	FRACTIONS $\pm 1/32$
.XX = $\pm 0.02 [0.5]$	ANGLES $\pm 1^{\circ}$
.XXX = $\pm 0.005 [0.13]$	

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

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, S/FTP 26AWG, HIGH FLEX TPE
JACKET, BLACK

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	HBAKKE	TRD626AHFO-TB	A

6

5

4

3

2

1

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