

6

5

4

3

2

1

WIRING MAP

P1

P2

1

1 WHITE/ORANGE

2

2 ORANGE

3

3 WHITE/GREEN

6

6 GREEN

5

5 WHITE/BLUE

4

4 BLUE

7

7 WHITE/BROWN

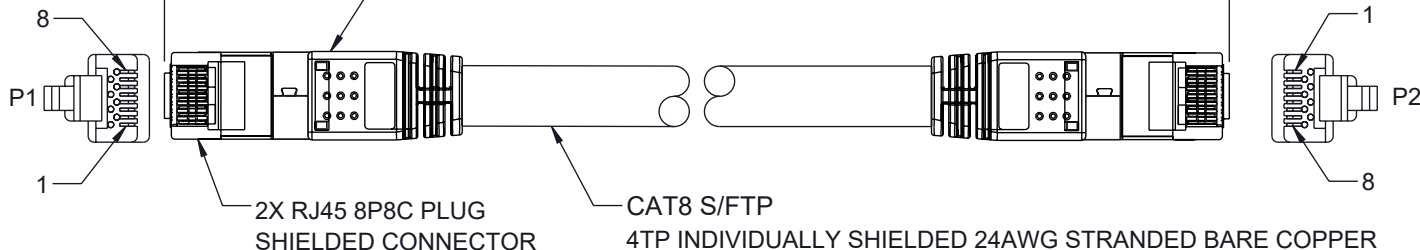
8

8 BROWN

SHIELD

SHIELD

LENGTH±TOL.



NOTES:

PHYSICAL:

- CONDUCTOR TYPE: 24AWG, STRANDED BC
- INSULATION: FMPE
- CONDUCTOR DIA: $1.4 \pm 0.05\text{mm}$
- CONNECTOR CONTACT MATERIAL: COPPER ALLOY, $50\mu\text{m}$ GOLD PLATED
- MINIMUM AVERAGE CABLE THICKNESS: $.024 [0.60]$.

ELECTRICAL:

- BANDWIDTH: 2000 MHz
- VOLTAGE RATING: 30 V
- CONDUCTOR DC RESISTANCE: $11.25\Omega/100\text{m}$ (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 $+60^{\circ}\text{C}$

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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REVISION

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	06/03/2024	DZINN	GUTTADAURO

ITEM NUMBER

LENGTH [TOL.]

FEET [IN]

METERS [mm]

824TR-BLK-1F	1.00 [+1.38/- .59]	0.30 [+35/-15]
824TR-BLK-2F	2.00 [+1.38/- .59]	0.61 [+35/-15]
824TR-BLK-3F	3.00 [+1.38/- .59]	0.91 [+35/-15]
824TR-BLK-5F	5.00 [+1.38/- .79]	1.52 [+35/-20]
824TR-BLK-7F	7.00 [+1.38/-1.18]	2.13 [+35/-30]
824TR-BLK-10F	10.00 [+1.38/-1.18]	3.05 [+35/-30]
824TR-BLK-15F	15.00 [+1.38/-1.18]	4.57 [+35/-30]
824TR-BLK-25F	25.00 [± 2.36]	7.62 [± 60]

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

TOLERANCES:

$X = \pm 2 [5]$	FRACTIONS
$.XX = \pm .02 [0.5]$	$\pm 1/32$
$.XXX = \pm .005 [0.13]$	ANGLES $\pm 1^{\circ}$

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

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

NONE

SHEET

1 OF 1

DESCRIPTION

CAT 8 40GIG ETHERNET CABLE, S/FTP 24AWG, TENSILE
RESISTANT, PVC JACKET, BLACK

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3SVT8	DZINN	824TR-BLK	A