

6

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REVISION

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	UPDATED PER ECO-13673	06/25/2024	HBAKKE	DGUST

POSITION 8

POSITION 1

P1

2X MOLDED BOOT,
BLACK2X RJ45 8P8C MALE
SHIELDED CONNECTORCAT6A SF/UTP, 4*26AWG TWISTED PAIR, SHIELDED,
JACKET: STRANDED DRAG CHAIN HFPUR, GREEN
NOM DIA: .268±.001 [6.8±0.2]

POSITION 1

POSITION 8

P2

NOTES:

PHYSICAL:

- CONDUCTOR TYPE: 26AWG, STRANDED BC.
- INSULATION: HDPE.
- CONDUCTOR DIA: 0.98±0.05mm.
- CONNECTOR: 50U" GOLD PLATED.
- MINIMUM AVERAGE CABLE THICKNESS: 0.8 mm.
- CONNECTOR MATERIAL: PC.
- CONTACT MATERIAL: COPPER ALLOY, GOLD PLATING - 50µm.

ELECTRICAL:

- BANDWIDTH: 5000 MHz.
- NOMINAL VOLTAGE RATING: 30 V.
- RESISTANCE: 7.89Ω/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 RANGE: 0°C TO ~50°C
- OPERATING TEMPERATURE RANGE: -40°C TO ~80°C

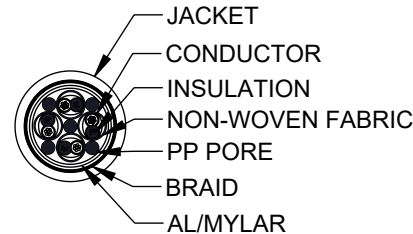
MISCELLANEOUS

- 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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P1

WIRING MAP

P2

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

SHIELD

SHIELD

ITEM NO	LENGTH [TOL.]	
	METERS [mm]	FEET [IN]
PC601-05M	0.5 [+35/-15]	1.64 [+1.38/- .59]
PC601-1M	1 [+35/-20]	3.28 [+1.38/- .79]
PC601-2M	2 [+35/-30]	6.56 [+1.38/-1.18]
PC601-3M	3 [+35/-30]	9.84 [+1.38/-1.18]
PC601-5M	5 [±60]	16.40 [±2.36]
PC601-10M	10 [±80]	32.81 [±3.15]

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

TOLERANCES:

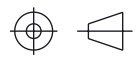
X = ±.2 [5] FRACTIONS
XX = ±.02 [0.5] ± 1/32
XXX = ±.005 [0.13] ANGLES ± 1°

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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TOLERANCES PER ASME Y14.5

SCALE

NONE

SHEET

1 OF 1

DESCRIPTION

PROFINET C6a 4P RJ45 SF/UTP 26STR PUR GRN

SIZE
ACAGE CODE
3SVT8DRAWN BY
KGLEBOVA

ITEM NO.

PC601

REV
B

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