

6

5

4

3

2

1

## 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

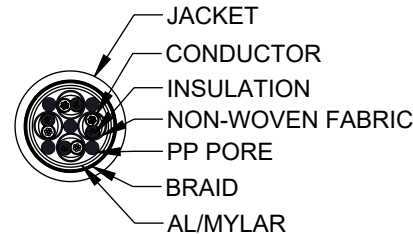
## MISCELLANEOUS

- CABLE ASSEMBLY TO BE TESTED FOR CONTINUITY.
- CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED.

## REGULATORY COMPLIANCE:

EU RoHS DIRECTIVE (MOST RECENTLY RELEASED VERSION).

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.



P1

WIRING MAP

P2

1  
2  
3  
4  
5  
6  
7  
8

SHIELD

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

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

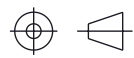
TOLERANCES:  
X = ±.2 [5] FRACTIONS  
XX = ±.02 [0.5] ± 1/32  
XXX = ±.005 [0.13] ANGLES ± 1°

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

**Show Me**  
CABLES

an INFINIT® brand

Website: [www.ShowMeCables.com](http://www.ShowMeCables.com)  
Phone: 1.888.519.9505INTERPRET ALL DIMENSIONS AND  
TOLERANCES PER ASME Y14.5

SCALE

NONE

SHEET

1 OF 1

DESCRIPTION

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

SIZE

A

CAGE CODE

3SVT8

DRAWN BY

KGLEBOVA

ITEM NO.

PC601

REV

B

6

5

4

3

2

1