

CBL-1001-00

Cable Kit for the PCN-1001

Overview

The CBL-1001-00 Cable Kit is designed to allow users to rapidly develop software and solutions using the PCN-1001 Passenger Counter. The kit has the following components:

- 1x 7030000330L Multifunction Cable
- 1x Male USB Mini-B to Male USB Type "A" Cable
- 1x Male USB Type "A" to Female USB Type "A" Extension Lead
- 1x 703704001SL Adapter (Male USB Type "A" to Male DB9 for RS485 Cable)

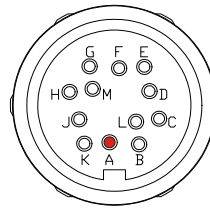
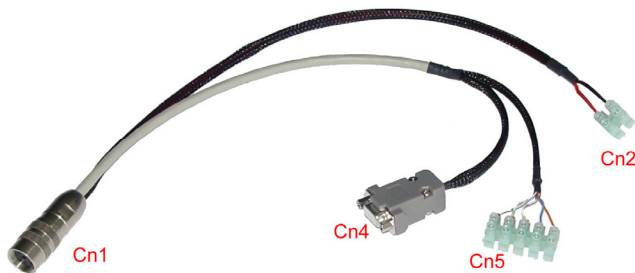
All Cables and Connectors are fully RoHS compliant.



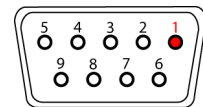
Note:

Users should refer to the relevant PCN-1001 documentation before attempting to use the system. This documentation is available for download from <http://www.eurotech.com/en/download/PCN-1001>

7030000330L Multifunction Cable



Cn1 frontal view



Cn4 frontal view

Connector Details

Name	Use	Type
Cn1	To PCN-1001 M1	12-Pin Female Circular Connector Lumberg part number 032212
Cn2	Power Supply +/-	2-Way nylon terminal block
Cn4	Serial 1, RS485	Female 9-pin D-Sub
Cn5	Digital IO & Aux Power Supply	5-Way nylon terminal block

Connector Pinouts

From CN1 Pin #	TO	PIN #	Use	Colour
A	Cn2	1	Power supply +	Red
B	Cn2	2	Power supply -	Black
J	Cn4	2	RS485_1 +	Brown
K	Cn4	1	RS485_1 -	White / Brown
H	Cn4	5	RS485_1 GND	Green
C	Cn5	1	Digital IN1 +	Orange
F	Cn5	2	Digital OUT 1	Blue
D	Cn5	3	Digital IN1 -	White / Orange
G	Cn5	4	Digital OUT 1 GND	White / Green
E	Cn5	5	Digital OUT 1 V+	White / Blue
L	Cn2	1	Power supply + (*)	Red
M	Cn2	2	Power supply - (*)	Black

(*) For secondary PCN-1001

CBL-1001-00

Male USB Mini-B to Male USB Type "A" Cable

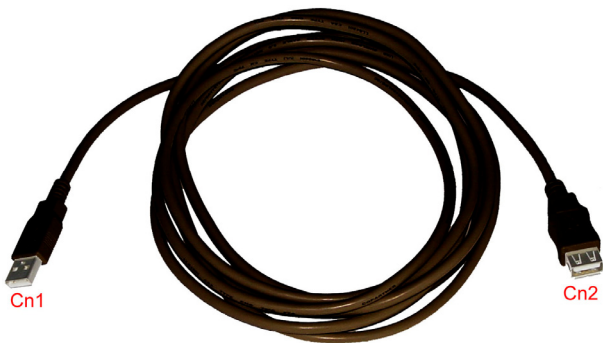


Connector Details

NAME	USE	TYPE
Cn1	To PCN-1001	Male USB Mini-B
Cn2	To Host Computer	Male USB Type "A"

Cable length: 180 cm +/- 10%

Male USB Type "A" to Female USB Type "A" Extension Lead



Connector Details

NAME	TYPE
Cn1	Male USB Type "A"
Cn2	Female USB Type "A"

Cable length: 300 cm +/- 10%

703704001SL Adapter (Male USB Type "A" to Male DB9 for RS485 Cable)



Connector Details

NAME	USE	TYPE
Cn1	To Multifunction Cable, Cn4	Male USB Type "A"
Cn2	To Host Computer	Male DB9 (for RS485)

Cable length: 180 cm +/- 10%

Cn2 Connector Pinout

PIN #	SIGNAL
1	Data -
2	Data +
5	Ground

Notes:



- The 703704001SL Adapter includes the 120 Ohm termination resistors and the 560 Ohm fail safe resistors
- The "CDM 2.06.00 WHQL Certified" software (available on the CD-ROM) has to be installed on the Host PC before connecting the 703704001SL Adapter. Visit the following websites for further software information and updates:
 - <http://www.ftdichip.com/Documents/InstallGuides.htm>
 - <http://www.ftdichip.com/Drivers/VCP.htm>

Related Part Numbers

ACCESSORY	DESCRIPTION	REFERENCE DOCUMENT
CBL-1001-00	Development Kit for the PCN-1001	This Technical Datasheet
CBL-1001-01	Link Cable for double PCN-1001 configurations	Technical Datasheet Td0018
CBL-1001-02	Link Cable for multiple PCN-1001 configurations	Technical Datasheet Td0030

Technical Datasheets can be downloaded from http://www.eurotech.com/en/Technical_Datasheets.aspx