

GFK-0359F
July 1995

Cables - PCM to Programmer

Features

- Cable* - Catalog number IC690CBL701 provides required signal connections between a Programmable Coprocessor Module (PCM) and an IC640 industrial computer or an IBM® PC-XT Personal Computer (PC).
- Cable* - Catalog number IC690CBL702 provides required signal connections between a PCM and an IBM PC-AT PC.
- Cable* - Catalog number IC690CBL705 provides required signal connections between a PCM and an IC647 computer or an IBM PS/2® PC.
- Prewired cables allow easy connection between the module and the programmer.

* The above cables can also be used with the IC697ADC701 and IC697GDC701 modules.

Functions

These cables provide the required signal connections between the RS-232 serial port on a PCM and a serial port on the programmer. The programmer can be an IC647 computer or PS/2 PC, an IC640 computer, or PC-XT PC (or compatible), or a PC-AT PC (or compatible).

Installation

- Installation should not be attempted without referring to the Programmable Controller Installation Manual and the manual for the module to be connected to the programmer.
- Have the proper cable for your programmer.
- Connect the cable's 25-pin male connector to the top serial port female connector on the front of the PCM module.
- Connect the cable's 9-pin female connector to the male RS-232 connector (serial port) on the selected programming device.

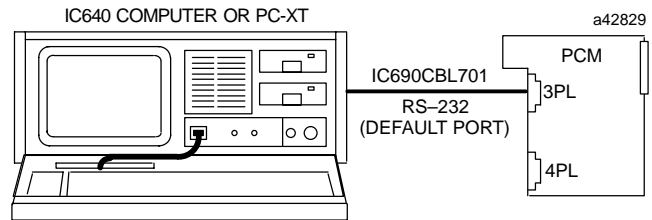


Figure 1. PCM to IC640 Computer or PC-XT Personal Computer

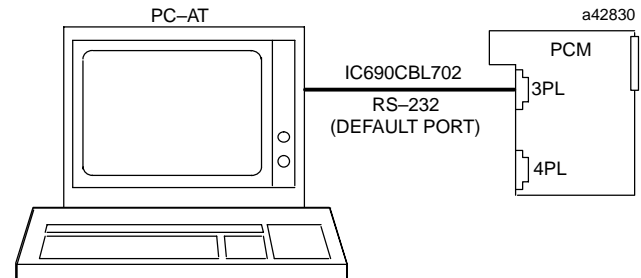


Figure 2. PCM to PC-AT Personal Computer

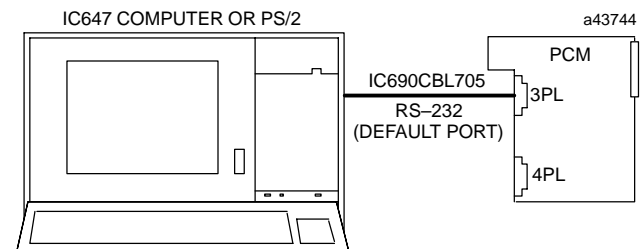


Figure 3. PCM to IC647 or PS/2 Computer

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Cable Description

Each of the cables physically appear the same, the difference being the internal pin connections. Cables are 10 feet (3 meters) in length. Specifications for the cables are provided in Table 2. Wiring information is provided in Figures 4, 5, and 6.

Caution

The IC697 PLC rack or IC693 PLC baseplate that contains the PCM, and the programmer ground connections must be at the same ground potential. Incorrect wiring will result in damage to the programmer or the PCM.

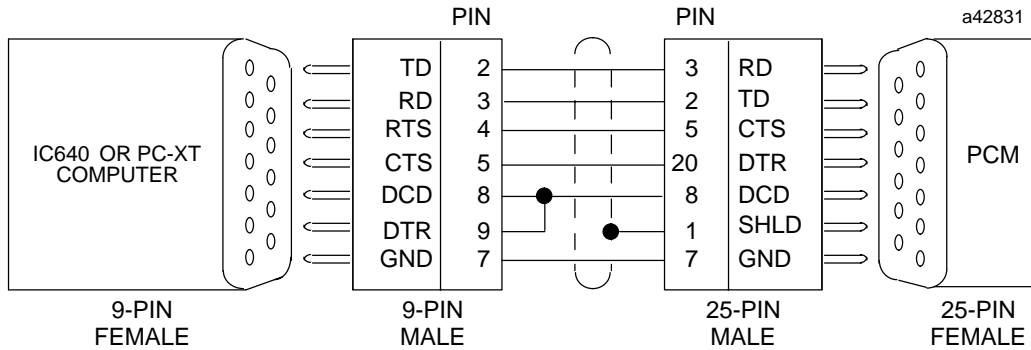


Figure 4. Wiring for PCM to IC640 or PC-XT Cable (IC690CBL701)

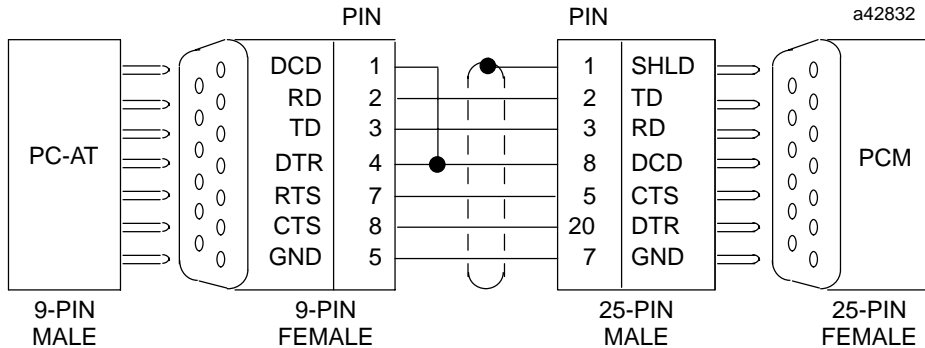


Figure 5. Wiring for PCM to PC-AT Cable (IC690CBL702)

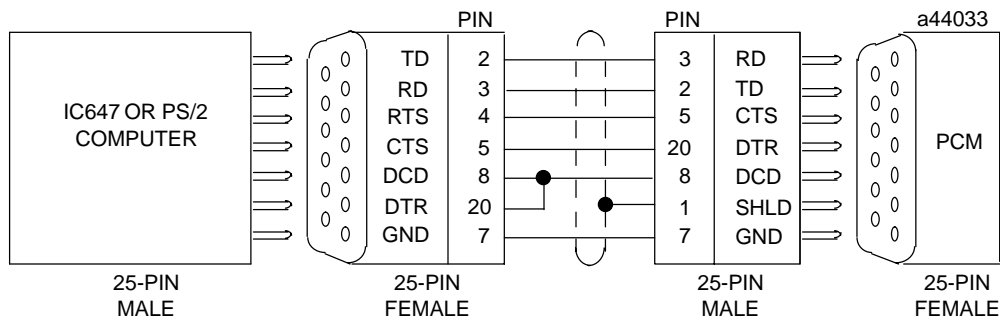


Figure 6. Wiring for PCM to IC647 Computer or PS/2 Cable (IC690CBL705)

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Table 1. Other Documents to be Consulted

Title
Programming Software User's Manual for IC641 Software Products
Programmable Controller Reference Manual for IC697 Products
Programmable Coprocessor Module and Support Software User's Manual
Programmable Controller Installation Manual for IC697 Products
Programmable Controller Installation Manual for IC693 Products
Alphanumeric Display System User's Manual
Graphics Display System User's Manual

Table 2. Specifications for IB690CBL701/702/705 †

CableLength	10 feet (3 meters)
Connectors	
PCMSide	25-pin D-subminiature type: AMP 205208-1 or equivalent
ProgrammerSide	9-pin D-subminiature type: AMP 205203-1 or equivalent
CableClamps	
25-pin	AMP 207908-7 or equivalent
9-pin	AMP 207908-1 or equivalent
CableType	6 conductor, overall shield, non-paired AWG #24 (0.22 mm ²) type - Belden 9536 or equivalent

† Refer to GFK-0867B, or later for product standards and general specifications.

Table 3. Ordering Information

Description	Catalog Number
Cable, PCM to IC640 or PC-XT Computer- 10 feet (3 meters)	IC690CBL701
Cable, PCM to PC-AT Computer - 10 feet (3 meters)	IC690CBL702
Cable, PCM to IC647 or PS/2 Computer- 10 feet (3 meters)	IC690CBL705

