

IC693CBL304/305

Port Expansion (WYE) Cables for PCM, ADC, and CMM

Function of cable

A WYE cable (IC693CBL304 for PCM300; IC693CBL305 for PCM301/311, ADC311, CMM311, AD693CMM301, and SLP300) is supplied with each PCM, ADC, and CMM module. The WYE cable is used to separate two ports available on a single physical connector; the cable separates the RS-232 from the RS-485 signals. In addition, the WYE cable allows cables used with the Series 90-70 PCM to be fully compatible with the Series 90-30 PCM. The WYE cable and cable connections are shown below and on the following page.

Each WYE cable is 1 foot in length and has a right angle male connector on one end that connects to the PCM module. The other end has a dual female connector with one connector for port 1 and the other for port 2.

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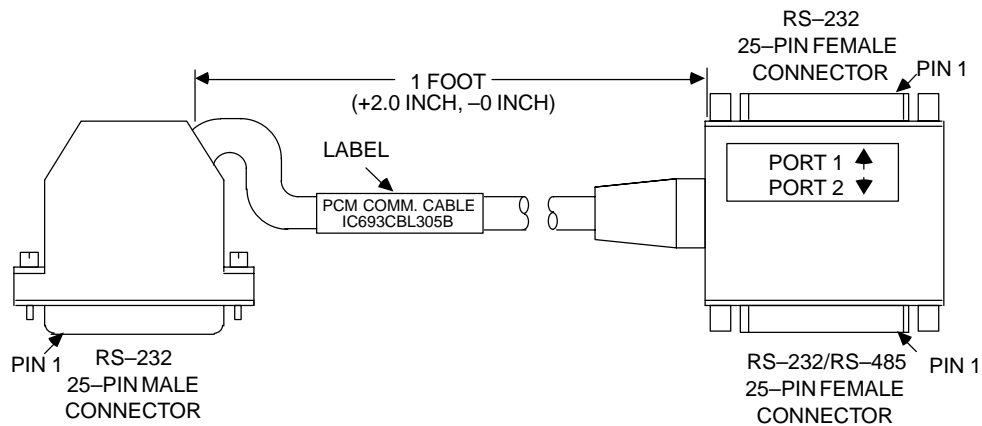


Figure 10-25. Wye Cable

Cable Specifications

CableLength	1 foot (0.3 meters)
25 Pin Male Connector:	Crimp Plug = Amp 207464-1; Pin = Amp 66506-9 Solder Plug = Amp 747912-2
25 Pin Female Connector:	Crimp Receptacle = Amp 207463-2; Pin = Amp 66504-9 Solder Receptacle = Amp 747913-2
ConnectorShell:	Kit - Amp 207908-7 Separate Shell = Amp 207345-1; Male Screw Retainer = Amp 205980-1
Cable Type	27 conductor cable, 28 AWG (.09 mm ²), with overall shield, extra flexible

Wiring Information

The following figure shows the pin configuration for each of the connectors on the WYE cable.

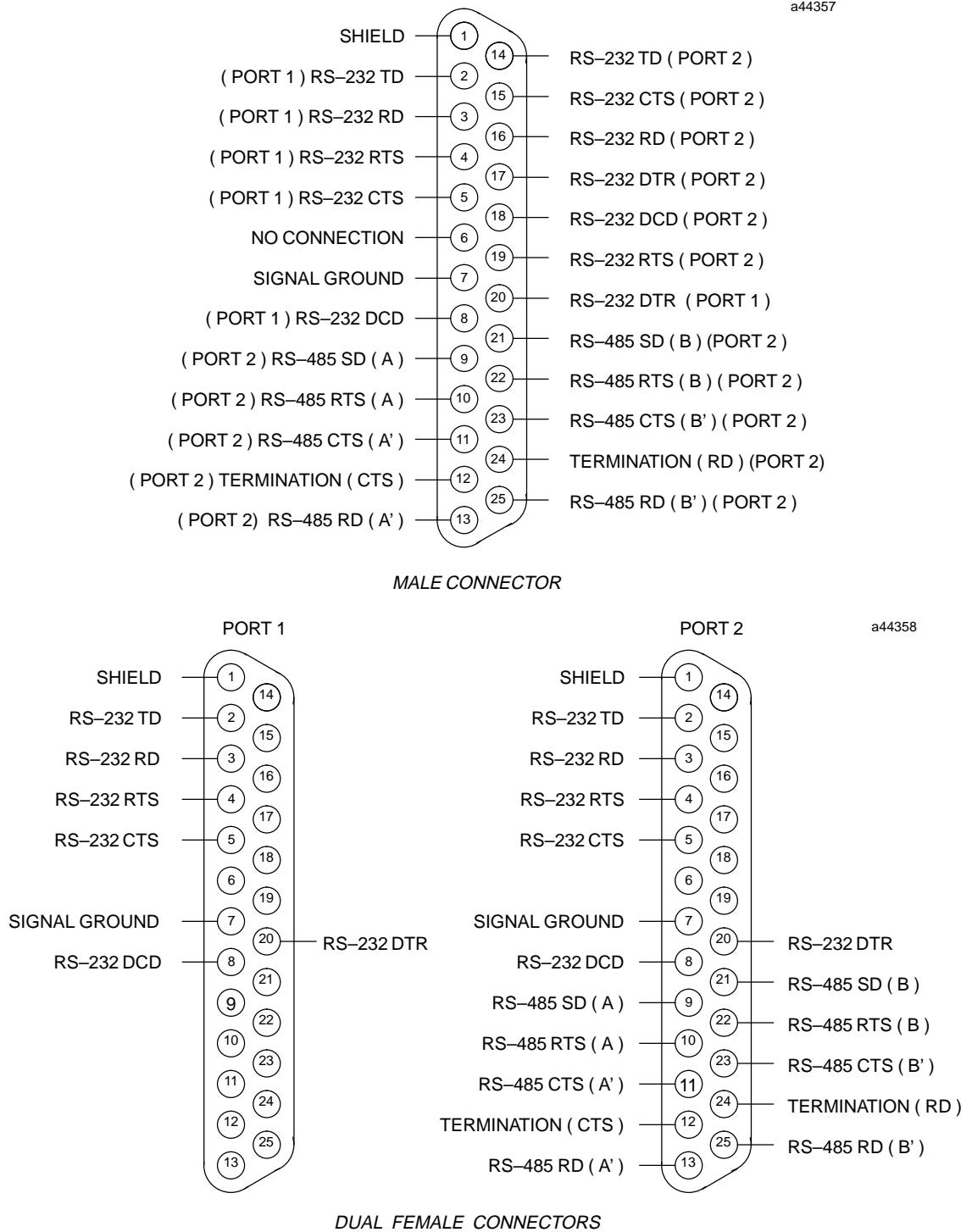


Figure 10-26. Wye Cable Connections

The WYE cable is 1 foot in length and has a right angle male connector on one end that connects to the PCM module. The other end has a dual female connector with one connector for port 1 and the other for port 2.

In order to use an RS-232 cable on port 2 of the Series 90-30 PLC, either a special cable must be made following the serial port pin assignments shown above or a WYE cable must be used. The WYE cable allows use of standard Series 90-70 cables (IC690CBL701/702/705) for the PCM or ADC. When installing the CMM module, use the WYE cable in conjunction with cables that you build for the CMM module according to directions in Chapter 8 of GFK-0582, the *Series 90 PLC Serial Communications Manual*.