PC COM2 to Digital Test-Bed          (Green)

This green cable is to get its first use in 1999 October for Part II exercise M1.  It brings the PC's second serial port onto the Digital Test-Bed's 8-way connection block in the top left corner.  As with all Digital Test-Bed RJ45 cables, the basis of the Digital Test-Bed end is a standard Ethernet cable.  The twisted pair assignments are possibly not optimal for use with RS232, but are acceptable.

Note that in many applications only RxD and TxD are connected to Digital Test-Bed circuitry, in which case the user should link hardware handshake lines CTS/RTS and DSR/DTR.  For running simple interaction with Terminal on the PC, with the default configuration of Terminal, CTS/RTS linking is essential.

The cable sheath is *green*.

PC COM2
25 D Female

| | | | |
|---|---|---|---|
| Screen | 1 | White/Blue | |
| 14 | | | |
| TxD | 2 | Blue → | |
| 15 | | | |
| RxD | 3 | White/Green ← | |
| 16 | | | |
| RTS | 4 | Green → | |
| 17 | | | |
| CTS | 5 | White/Brown ← | |
| 18 | | | |
| DSR | 6 | Orange ← | |
| 19 | | | |
| GND | 7 | White/Orange | |
| DTR | 20 | Brown → | |
| | 8 | | |
| 21 | | | |
| | 9 | | |
| 22 | | | |
| | 10 | | |
| 23 | | | |
| | 11 | | |
| 24 | | | |
| | 12 | | |
| 25 | | | |
| | 13 | | |

8 way
RJ45 Plug

White/Orange  7  GND

Orange  6  DSR

White/Green  3  RxD

Blue  2  TxD

White/Blue  1  Screen

Green  4  RTS

White/Brown  5  CTS

Brown  8  DTR

Standard RJ45
twisted pair cable

**Green**
outer sheath

Sequence is of pins on connector

Pin arrangement and numbering
as per RJ45 standard.
Sequence of pins on Digital
Test-Bed is numerical 1 through 8.