

# DirectLOGIC PLC Programming Cables

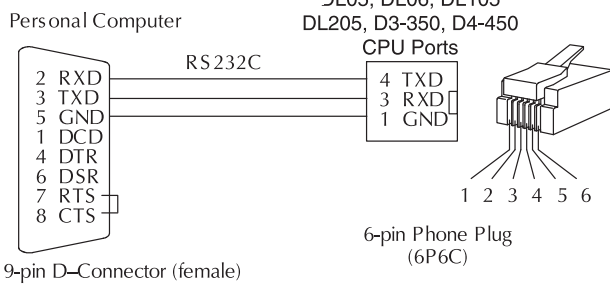
Since CPUs provide many different communication port possibilities, it is helpful to know exactly which communications cable is required. Use the table below to choose the proper cable:

| Family                                                                                                | CPU (or other device)           | Port                 | Cable      |
|-------------------------------------------------------------------------------------------------------|---------------------------------|----------------------|------------|
| <b>DirectLOGIC DL05</b>                                                                               | All versions                    | Port 1               | D2-DSCBL   |
|                                                                                                       |                                 | Port 2               | D2-DSCBL   |
|                                                                                                       | H0-ECOM / ECOM100 (modules)     | Only one             | **         |
|                                                                                                       | D0-DCM (module)                 | Port 1               | D2-DSCBL   |
| <b>DirectLOGIC DL06</b>                                                                               | All versions                    | Port 1               | D2-DSCBL   |
|                                                                                                       |                                 | Port 2               | D2-DSCBL-1 |
|                                                                                                       | H0-ECOM / ECOM100 (modules)     | Only one             | **         |
|                                                                                                       | D0-DCM (module)                 | Port 1               | D2-DSCBL   |
| <b>DirectLOGIC DL105</b>                                                                              |                                 | Port 2               | D2-DSCBL-1 |
|                                                                                                       | F1-130 (all versions)           | Only one             | D2-DSCBL   |
|                                                                                                       | D2-230                          | Only one             | D2-DSCBL   |
|                                                                                                       | D2-240                          | Top port             | D2-DSCBL   |
| <b>DirectLOGIC DL205</b>                                                                              |                                 | Bottom port          | D2-DSCBL   |
|                                                                                                       | D2-250(-1)                      | Top port             | D2-DSCBL   |
|                                                                                                       |                                 | Bottom port          | D2-DSCBL-1 |
|                                                                                                       | D2-260                          | Top port             | D2-DSCBL   |
|                                                                                                       |                                 | Bottom port          | D2-DSCBL-1 |
|                                                                                                       | D2-DCM (module)                 | Only one             | D3-DSCBL-2 |
|                                                                                                       | H2-ECOM (-F) / ECOM100          | Only one             | **         |
|                                                                                                       |                                 |                      |            |
| <b>DirectLOGIC DL305</b>                                                                              | D3-330/D3-330P                  | Requires DCU*        | D3-DSCBL-2 |
|                                                                                                       | D3-340                          | Top port             | D3-DSCBL-1 |
|                                                                                                       |                                 | Bottom port          | D3-DSCBL-1 |
|                                                                                                       | D3-350                          | Top port             | D2-DSCBL   |
|                                                                                                       |                                 | Bottom port          | D3-DSCBL-2 |
|                                                                                                       | D3-DCM (module)                 | Only one             | D3-DSCBL-2 |
| <b>DirectLOGIC DL405</b>                                                                              | D4-430/D4-440                   | Top port (15-pin)    | D4-DSCBL   |
|                                                                                                       |                                 | Bottom port (25-pin) | D3-DSCBL-2 |
|                                                                                                       | D4-450                          | Phone jack           | D2-DSCBL   |
|                                                                                                       |                                 | Top port (15-pin)    | D4-DSCBL   |
|                                                                                                       |                                 | Bottom port (25-pin) | D3-DSCBL-2 |
|                                                                                                       | D4-DCM (module)                 | Only one             | D3-DSCBL-2 |
|                                                                                                       | H4-ECOM (-F) / ECOM100          | Only one             | **         |
|                                                                                                       | Slice I/O (module)              | Only one             | D4-DSCBL   |
| <b>GE® Series 1</b>                                                                                   | IC610CPU105/106                 | Requires DCU*        | D3-DSCBL-2 |
| <b>T1305™/SIMATIC® T1305™</b>                                                                         | 325-07, PPX:325-07              | Requires DCU*        | D3-DSCBL-2 |
|                                                                                                       | 330-37, PPX:330-37              | Requires DCU*        | D3-DSCBL-2 |
|                                                                                                       | 325S-07 (or 325 with stage kit) | Requires DCU*        | D3-DSCBL-2 |
|                                                                                                       | 330S-37, PPX:330S-37            | Requires DCU*        | D3-DSCBL-2 |
|                                                                                                       | 335-37, PPX:335-37              | Phone jack           | D3-DSCBL-1 |
|                                                                                                       |                                 | If DCU is used*      | D3-DSCBL-2 |
| <b>T1405™/SIMATIC® T1405™</b>                                                                         | 425-CPU, PPX:425-CPU            | If DCU is used*      | D4-DSCBL   |
|                                                                                                       | N/A, PPX:430-CPU                | Top port (15-pin)    | D4-DSCBL   |
|                                                                                                       |                                 | Bottom port (25-pin) | D3-DSCBL-2 |
|                                                                                                       | 435-CPU, PPX:435-CPU            | Top port (15-pin)    | D4-DSCBL   |
|                                                                                                       |                                 | Bottom port (25-pin) | D3-DSCBL-2 |
|                                                                                                       | Smart slice                     | Only one             | D4-DSCBL   |
| * Requires RS232 Data Communications Unit (D3-232-DCU).                                               |                                 |                      |            |
| ** Requires standard Ethernet twisted pair cable (HX-ECOM) or standard fiber optic cable (HX-ECOM-F). |                                 |                      |            |

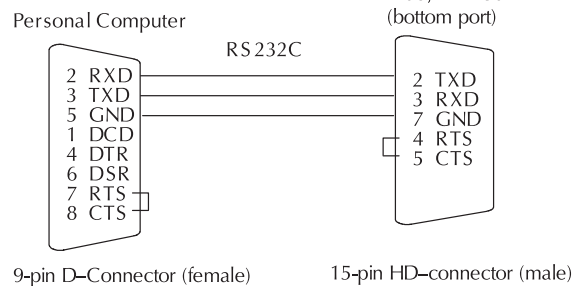
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Pin labeling conforms to IBM DTE and DCE standards

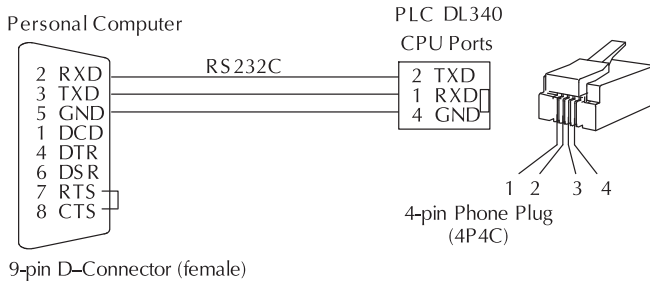
## D2-DSCBL <--->



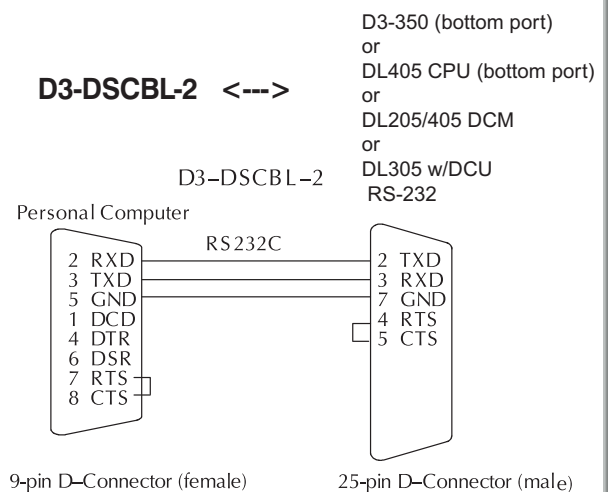
## D2-DSCBL-1 <--->



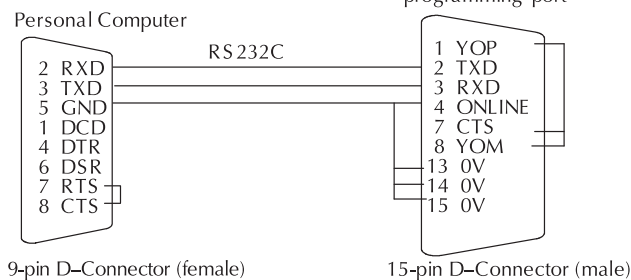
## D3-DSCBL-1 <--->



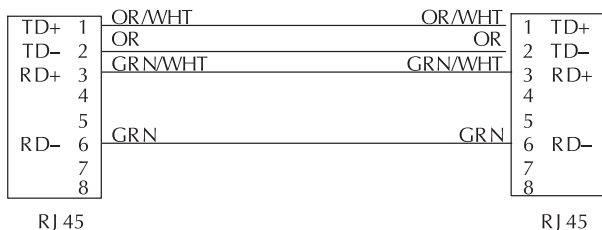
## D3-DSCBL-2 <--->



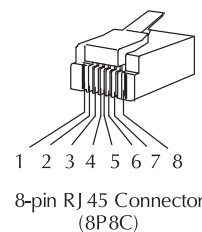
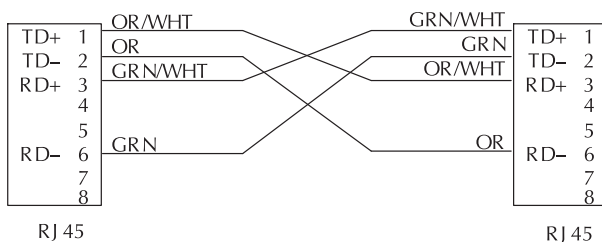
## D4-DSCBL <--->



## Straight-through Patch Cable (Ethernet)



## Crossover Cable (Ethernet)



All Ethernet and ECOM patch cables should be Category 5, UTP Cable. The diagram illustrates the appropriate wire position in the RJ 45 connector.