

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
DirectLOGIC DL05	All versions	Port 1	D2-DSCBL
		Port 2	D2-DSCBL
	H0-ECOM / ECOM100 (modules)	Only one	**
	D0-DCM (module)	Port 1	D2-DSCBL
DirectLOGIC DL06		Port 2	D2-DSCBL-1
	All versions	Port 1	D2-DSCBL
		Port 2	D2-DSCBL-1
	H0-ECOM / ECOM100 (modules)	Only one	**
DirectLOGIC DL105		Port 1	D2-DSCBL
		Port 2	D2-DSCBL-1
	D0-DCM (module)	Port 1	D2-DSCBL
		Port 2	D2-DSCBL-1
DirectLOGIC DL205	DirectLOGIC DL105	F1-130 (all versions)	Only one
			D2-DSCBL
		D2-230	Only one
			D2-DSCBL
		D2-240	Top port
			D2-DSCBL
		Bottom port	D2-DSCBL
			D2-DSCBL
DirectLOGIC DL305		D2-250(-1)	Top port
			D2-DSCBL
		Bottom port	D2-DSCBL-1
			D2-DSCBL-1
		D2-260	Top port
			D2-DSCBL
		Bottom port	D2-DSCBL-1
			D2-DSCBL-1
DirectLOGIC DL405		D2-DCM (module)	Only one
			D3-DSCBL-2
		H2-ECOM (-F) / ECOM100	Only one
			**
		D3-330/D3-330P	Requires DCU*
			D3-DSCBL-2
		D3-340	Top port
			D3-DSCBL-1
DirectLOGIC DL405		Bottom port	D3-DSCBL-1
			D3-DSCBL-1
		D3-350	Top port
			D2-DSCBL
		Bottom port	D3-DSCBL-2
			D3-DSCBL-2
		D3-DCM (module)	Only one
			D3-DSCBL-2
DirectLOGIC DL405		D4-430/D4-440	Top port (15-pin)
			D4-DSCBL
		Bottom port (25-pin)	D3-DSCBL-2
			D3-DSCBL-2
		D4-450	Phone jack
			D2-DSCBL
		Top port (15-pin)	D4-DSCBL
		Bottom port (25-pin)	D3-DSCBL-2
GE® Series 1			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
			D4-DSCBL
T1305™/SIMATIC® T1305™		IC610CPU105/106	Requires DCU*
			D3-DSCBL-2
		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
T1405™/SIMATIC® T1405™		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
			D3-DSCBL-2
		425-CPU, PPX:425-CPU	If DCU is used*
			D4-DSCBL
T1405™/SIMATIC® T1405™		N/A, PPX:430-CPU	Top port (15-pin)
			D4-DSCBL
		Bottom port (25-pin)	D3-DSCBL-2
			D3-DSCBL-2
		435-CPU, PPX:435-CPU	Top port (15-pin)
			D4-DSCBL
		Bottom port (25-pin)	D3-DSCBL-2
			D3-DSCBL-2
T1405™/SIMATIC® T1405™		Smart slice	Only one
			D4-DSCBL

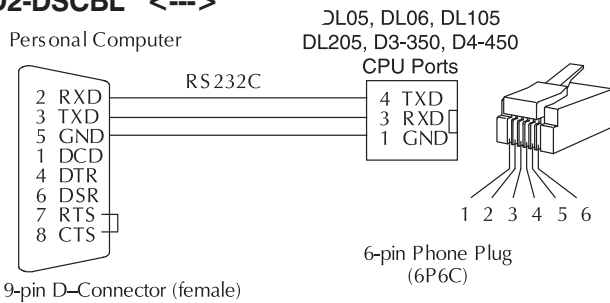
* Requires RS232 Data Communications Unit (D3-232-DCU).

** Requires standard Ethernet twisted pair cable (HX-ECOM) or standard fiber optic cable (HX-ECOM-F).

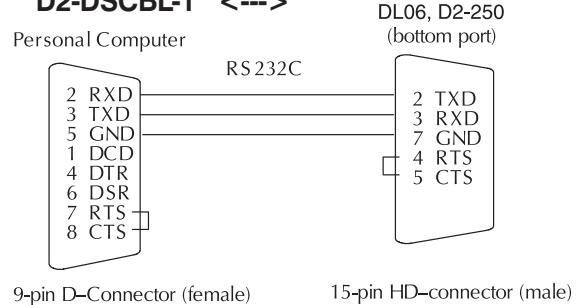
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Pin labeling conforms to IBM DTE and DCE standards

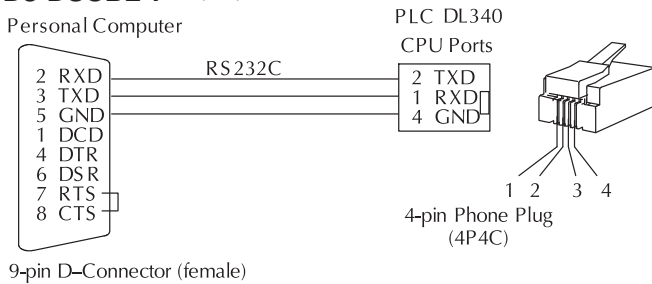
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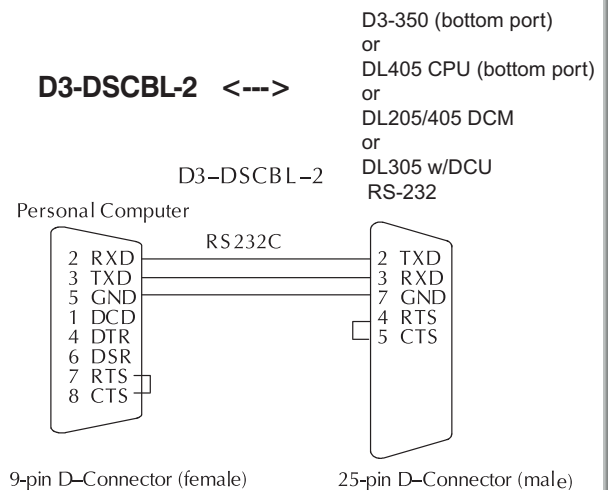
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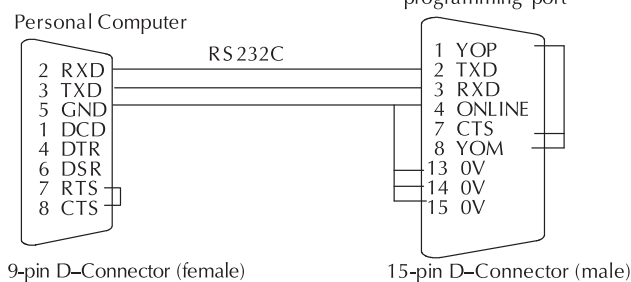
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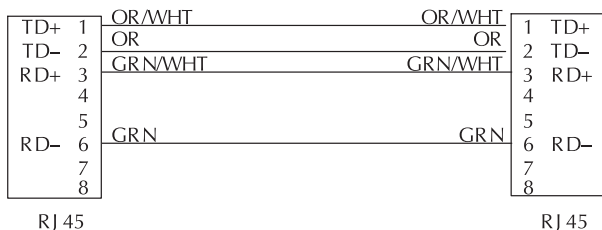
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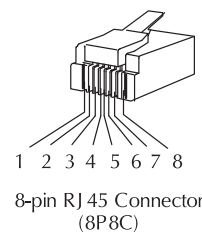
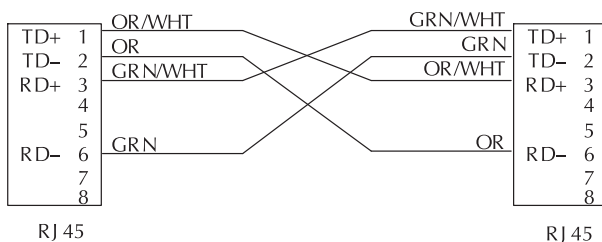
D4-DSCBL <--->



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.