

STEP FOUR

Step four: Choose the proper programming cable

Since our CPU's provide so 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 for your application.

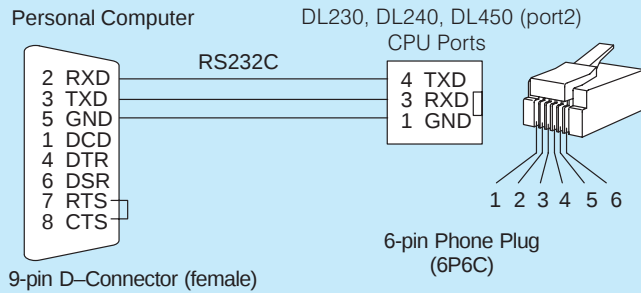
Family	CPU (or other device)	Port	Cable	Supported Protocol			
				DirectNET	K-Sequence	E-COM	MODBUS
DirectLOGIC DL05	all versions	Port 1	D2-DSCBL		•		
		Port 2	D2-DSCBL	•	•		•
DirectLOGIC DL105	DL130 (all versions)	Only one	use D2-DSCBL		•		
DirectLOGIC DL205	D2-230	Only one	D2-DSCBL		•		
	D2-240	Top port	D2-DSCBL		•		
		Bottom port	D2-DSCBL	•	•		
	D2-250	Top port	D2-DSCBL	•	•		
		Bottom port	D2-DSCBL-1	•	•		•
	D2-DCM (module)	Only one	D3-DSCBL-2	•	•		•
	H2-ECOM (module)	Only one	**	•	•	•	
DirectLOGIC DL305	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-1	•	•		
		Bottom port	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	•	•		
	D4-450	Phone Jack	D2-DSCBL	•	•		
		Top port (15-pin)	D4-DSCBL		•		
		Bottom port-1 (25-pin)	D3-DSCBL-2	•	•		•
	D4-DCM (module)	Only one	D3-DSCBL-2	•	•		•
	H4-ECOM (module)	Only one	**	•	•	•	
GE® Series 1	IC610CPU105/106	Requires DCU*	D3-DSCBL-2	•			
TI305™ / SIMATIC® TI305™	325-07, PPX:325-07	Requires DCU*	D3-DSCBL-2	•			
	330-37, PPX:330-37	Requires DCU*	D3-DSCBL-2	•			
	325S-07 (or 325 w/ Stage Kit)	Requires DCU*	D3-DSCBL-2	•			
	330S-37, PPX:330S-37	Requires DCU*	D3-DSCBL-2	•			
	335-37, PPX:335-37	Phone Jacks	D3-DSCBL-1	•			
		If DCU is used*	D3-DSCBL-2	•			
TI405™ / SIMATIC® TI405™	425-CPU, PPX:425-CPU	Only one	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™ I/O	Only one	D4-DSCBL		•		

* — requires RS232 Data Communications Unit (D3-232-DCU)

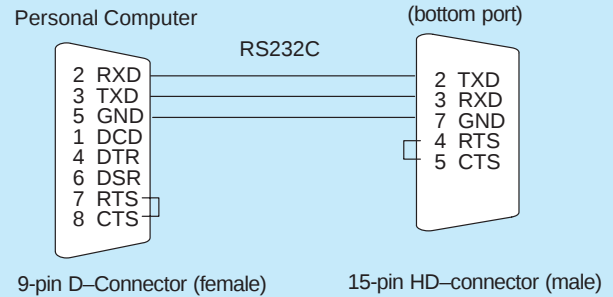
** — requires standard Ethernet twisted pair cable (HX-ECOM) or standard fiber optic cable (HX-ECOM-F)

Pin labeling conforms to IBM DTE and DCE standards

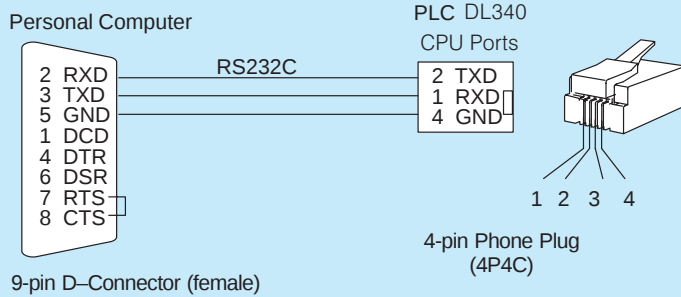
D2-DSCBL



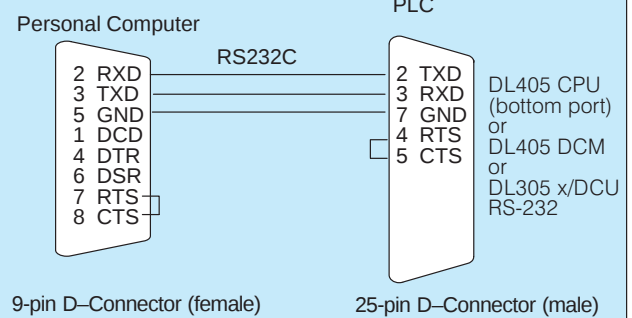
D2-DSCBL-1



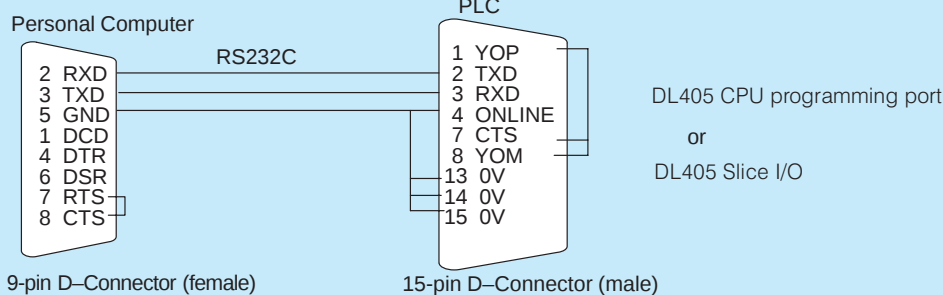
D3-DSCBL-1



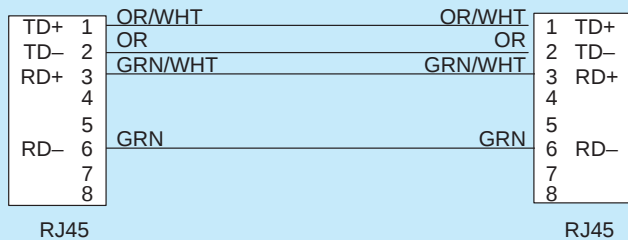
D3-DSCBL-2



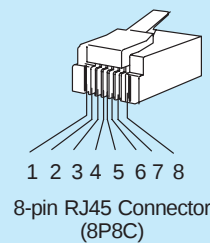
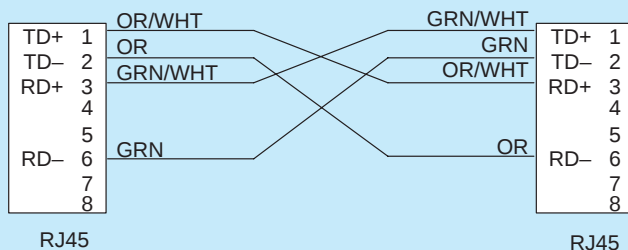
D4-DSCBL



Straight-through Patch Cable



Crossover Patch Cable



All Ethernet and ECOM patch cables should be Category 5, UTP Cable. The diagrams illustrates the appropriate wire position in the RJ45 connector.