

Cable Diagrams

Programming Cables

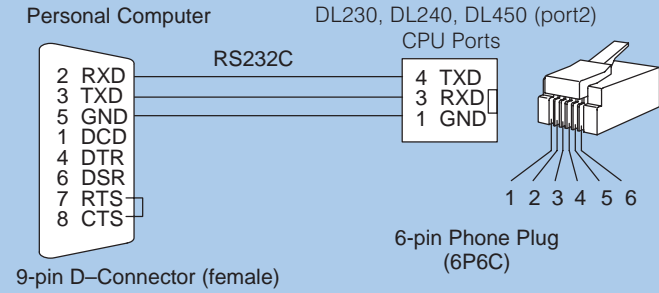
Since our CPUs provide so many different communication port possibilities, it is helpful to know exactly which communications cable is required. Use the table on the next page to choose the proper cable for your particular application.

Family	CPU (or other device)	Port	Cable	Supported Protocol				
				DirectNET	K-Sequence	E-COM	MODBUS	
DirectLOGIC™ DL105	DL130 (all versions)	Only one	use D2-DSCBL		•			
DirectLOGIC™ DL205	DL230	Only one	D2-DSCBL		•			
	DL240	Top port	D2-DSCBL		•			
		Bottom port	D2-DSCBL	•	•			
	DL250	Top port	D2-DSCBL	•	•			
		Bottom port	D2-DSCBL-1	•	•		•	
	D2-DCM (module)	Only one	D3-DSCBL-2	•	•		•	
H2-ECOM (module)	Only one		•	•	•			
DirectLOGIC™ DL305	DL330/DL330P	Requires DCU*	D3-DSCBL-2	•				
	DL340	Top port	D3-DSCBL-1	•				
		Bottom port	D3-DSCBL-1	•			•	
D3-DCM (module)	Only one	D3-DSCBL-2	•	•		•		
DirectLOGIC™ DL405	DL430, DL440	Top port (15-pin)	D4-DSCBL		•			
		Bottom port (25-pin)	D3-DSCBL-2	•	•			
	DL450	Phone Jack	D2-DSCBL	•	•			
		Top port (15-pin)	D4-DSCBL		•			
		Bottom port-1 (25-pin)	D3-DSCBL-2	•	•		•	
		Bottom port-2 (25-pin)	D3-DSCBL-2	•	•		•	
	D4-DCM (module)	Only one	D3-DSCBL-2	•	•		•	
	H4-ECOM (module)	Only one		•	•	•		
Slice I/O Modules	Only one	D4-DSCBL		•				
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 Kt)	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		•			

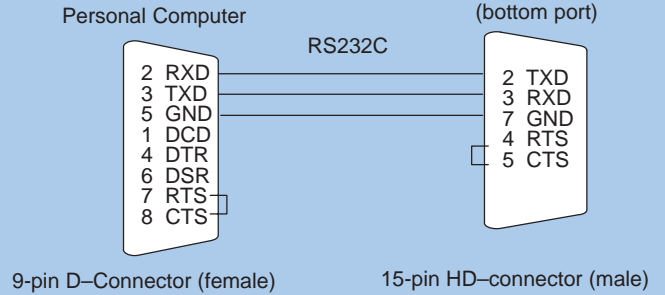
* — requires RS232 Data Communications Unit (D3-232-DCU)

Pin labeling conforms to IBM DTE and DCE standards

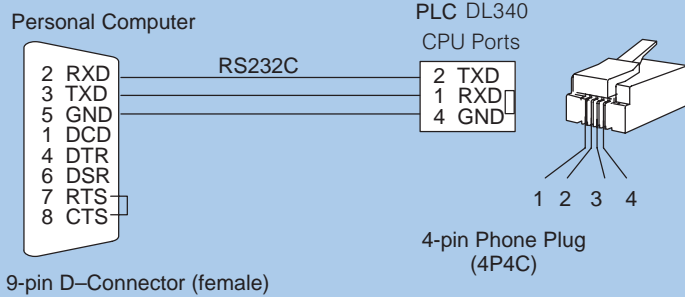
D2-DSCBL



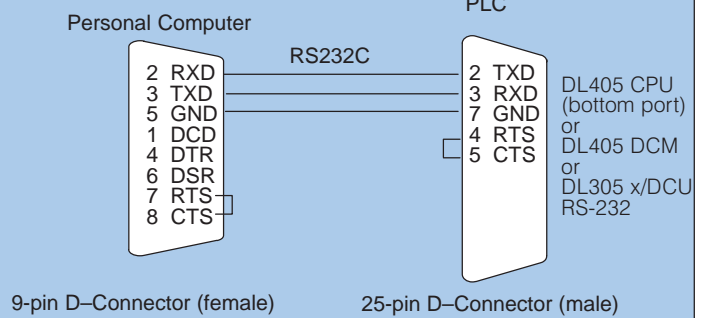
D2-DSCBL-1



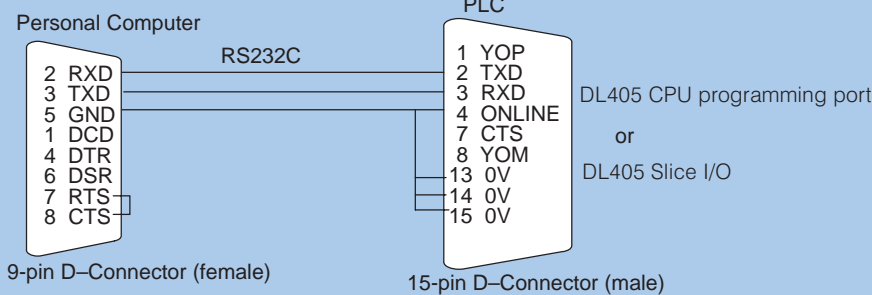
D3-DSCBL-1



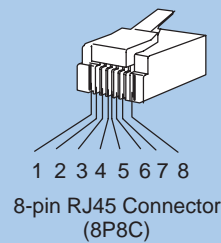
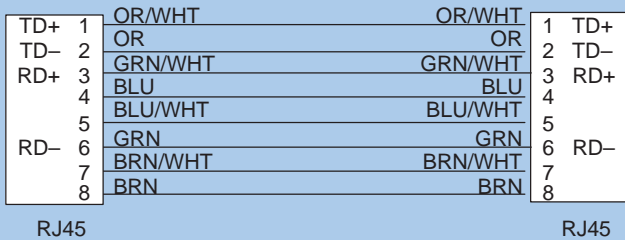
D3-DSCBL-2



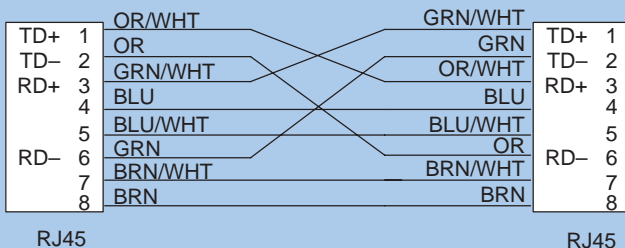
D4-DSCBL



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.