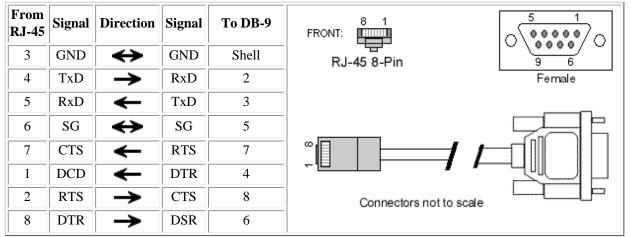# PC Terminal Emulator Cables, Altpin RJ-45 8-pin to DB-9

The wiring diagram for an altpin RJ-45 8-pin to DB-9 PC terminal emulator cable is shown in Table 1.

Table 1: EIA-232 altpin RJ-45 8-pin to DB-9 PC terminal emulator cable

From RJ-45	Signal	Direction	Signal	To DB-9	
3	GND	↔	GND	Shell	
4	TxD	→	RxD	2	
5	RxD	←	TxD	3	
6	SG	↔	SG	5	
7	CTS	←	RTS	7	
1	DCD	←	DTR	4	
2	RTS	→	CTS	8	
8	DTR	→	DSR	6	

* Arrows indicate which direction the signal is flowing

NOTES:

- Altpin should be turned on when using this cable so that DTR will drive DCD (standard usage).
- If altpin is turned off, the hardware signal on RJ45 pin 1 becomes DSR instead of DCD. This alternative can be used if DCD is not required, and DSR is needed instead.
- This cable utilizes the RTS signal of the PC terminal emulator for hardware flow control (RTS/CTS).