



Niobrara SC806 Smart Cable

The Niobrara SC806 Smart Cable is a SY/MAX[®] compatible RS-422 cable with a miniature RS-232/RS-422 converter built in to the RS-232 connector end. It is intended to be used to connect a modem or other DCE device directly to a network of PowerLogic[®] equipment. The DE9 (9-pin) end of the SC806 is identical to a standard SY/MAX port, allowing easy connection to existing cabling. The SC806 must be externally powered by the included AC adapter.

Installation:

1. Connect the 9-pin connector to the PowerLogic equipment using a CAB102 cable.
2. Connect the DB25 end of the cable to an RS-232 modem or other DCE peripheral.
3. Connect the cord from the AC adapter to the 3.5 mm power jack on the back side of the RS-232 connector and plug the adapter body into a 120 VAC 50/60 Hz outlet.

The DE9 end of the cable is compatible with SY/MAX RS-422 ports. The pinout is as follows:

1	_____	TX-
2	_____	TX+
3	_____	RX-
4	_____	RX+
9	_____	Cable shield

The DB25 end of the cable is an RS-232 DTE interface. The pinout is as follows:

2	_____	TXD
3	_____	RXD
4	_____	RTS
7	_____	GND
20	_____	DTR

RTS and DTR are driven to +10 V by the CS211. The state of pins 5 (CTS), 6 (DSR), and 8 (DCD) is ignored.

WARNING!! *NEVER* connect the SC806 cable to the parallel printer port of a personal computer. Doing so may damage the cable and/or the parallel port.