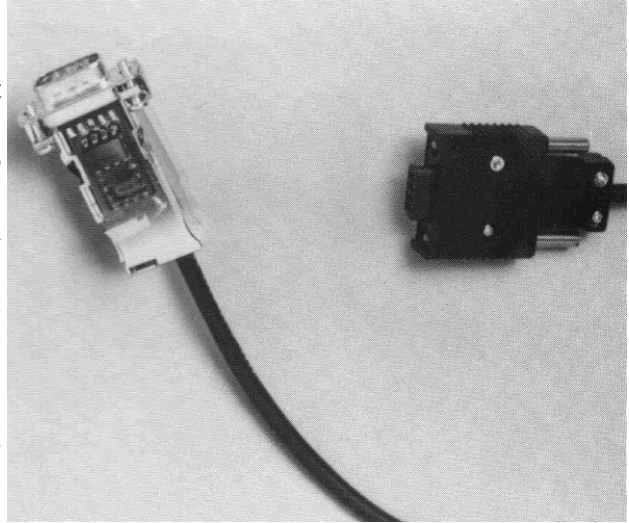




# Niobrara ID422 Smart Cable

The Niobrara ID422 Smart Cable connects the Square D® Model 50 processor to a Sy/Max® compatible RS-422 port. The cable has a miniature, port powered, protocol converter built into the RS-422 end. The cable can be used to connect the Model 50 to the CRM540 Model 50 Network Interface Module, to a Niobrara **SPE4**, to an operator interface, and in other data communications applications where the Model 50 protocol must be interfaced to standard equipment.

The ID422 is functionally equivalent to the combination of a CC-100 differential cable, an NLU-10, an RIU-10, and an FCB-10 cable. The RS-422 end features Square D® compatible slide locks like the CC-100 and the Model 50 end has the same connector as the FCB-10. Like the RIU-10, the ID422 includes an echo strap for normal operation of the CRM540 or some operator interfaces. The ID422 is powered by the Model 50. The device is available without the echo strap for special applications, order Niobrara part number **FA422**. Other Niobrara products provide Model-50 to RS-232 conversion (**SC50D** or **SC50I**), and Micro-1 to RS-232 (**SCM1D**) or RS-422 (**MD422**) interfaces.



The ID422 is normally 6 feet long but other lengths (up to 25 feet) are available. See price list for ordering information. The ID422 may be extended by connecting a **DE1 SY/MAX@** extension cable or a **DC1** (CC100 equivalent) cable with an **SA9F** gender changer to the 9 pin end of the ID422. The **ID422P** has slide locks to fit SY/MAX® style posts and the **ID422S** has screws to fit many operator interfaces.

## Installation:

1. Connect the nine pin connector to an RS-422 port on the SPE4, NIM, operator interface, or other RS-422 device.
2. Connect the eight pin connector to the programmer port of the Model 50.
3. Refer to documentation for connected products.

**Cable Pinouts:**

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

1	_____	RXD- (data out of PLC)
2	_____	RXD+
3	_____	TXD- (data into PLC)
4	_____	TXD+
6	<input type="checkbox"/>	
7	<input type="checkbox"/>	

**Ordering Information:**

For an ID422 with slide locks to fit a SY/MAX® style connector order an **ID422P**.

For an ID422 with screws to fit many operator interfaces order an **ID422S**.

If an ID422 is ordered with no suffix it will be an **ID422P**.

**Notes:**

**For Local Support and Sales CALL:**

