NR&D

Niobrara FA422S Cable

The Niobrara FA422S Smart Cable connects an IDEC FA2J or FA3S processor to a Spectrum Controls Operator Interface with a SY/MAX® compatible RS-422 port. The cable has a miniature, port-powered protocol converter built into the RS-422 end.

The FA422S is functionally equivalent to the combination of a CC100 differential cable, an NLU10, an RIU10, and an FCB10 cable. The RS-422 end features screw locks for connection to the SOI. The processor end has the same connector as the FCB10. The FA422S does not contain the echo strap used by the Square D Model 50 processor. The device is also available with SY/MAX compatible slide locks; order NR&D part number FA422P. Other Niobrara products provide FA2J to RS-232 conversion, and Micro-1™ to RS-232 or RS-422 interfaces.

Installation:

1. Connect the 9-pin connector to the RS-422 port on the SOI.

2. Connect the 8-pin connector to the program port of the processor.

3. Refer to the documentation for the connected products..

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

1	RXD- (data from PLC)
2	RXD+
3	TXD- (data to PLC)
4	TXD+
5	Unused
6	Unused
7	Jumpered to 8
8	Jumpered to 7
9	Unused