Niobrara DC2 Cable

The Niobrara DC2 Cable connects one SY/MAX® compatible RS-422 port to another SY/MAX compatible RS-422 port while providing full RTS/CTS handshaking capabilities. The DC2 is functionally equivalent to a 6 foot CC-104 differential cable. The cable ends feature SY/MAX compatible slide locks like those used on the CC-104.

The standard DC2 is 6 feet long but it can be supplied in any length up to 2,000 feet. To order a custom length DC2 use the part number DC2-xx where xx is the length of the cable in feet. There is an additional charge for custom length cables; see price list for more information.

Installation:

1. Connect one 9-pin connector of the DC2 to a compatible RS-422 port on the NR&D module, NIM, or other RS-422 device.

   NOTICE: Never connect the DC2 to a SY/MAX port that supplies +5V for powering a handheld programmer or smart cable; doing so disables transmission from the active device. These RS-422 ports include those on the Square D PLCs, the AIM4 Print/Prog port, the CAM500 port, the UCM1-D port, Port 0 of the SPE4, and the SY/MAX port on the IBSM.

2. Connect the other 9-pin connector to a compatible RS-422 device.

3. Refer to documentation for the connected products.

Cable Pinouts:

Both ends of the DC2 are compatible with SY/MAX RS-422 ports that require active handshaking. These devices include the EPE5, SPE4, RM14K, other NIMs, etc. The internal connections of the DC2 are as follows: