



# Niobrara DC8 Cable

The Niobrara DC8 Cable is intended to connect an SC902 to a 4-wire RS-485 device.

The standard DC8 is 6 feet long but it can be supplied in any length up to 2,000 feet. To order a custom length DC8 use the part number DC8-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 the 9-pin connector to an SC902.
2. Connect the stripped and tinned end of the cable to the compatible RS-422/RS-485 device.
3. Refer to documentation for the connected products.

### Cable Pinouts:

The 9-pin connector end of the DC8 is comparable to SY/MAX RS-422 ports. Hardware handshake lines are not jumpered. The connections of the DC7 are as follows:

| SC902 To CM2000 |                       |
|-----------------|-----------------------|
| DB9 End         | Stripped & Tinned End |
| RX- 1           | Black (to In-)        |
| RX+ 2           | Red (to In+)          |
| TX- 3           | White (to Out-)       |
| TX+ 4           | Green (to Out+)       |
| 5               | No connection         |
| 6               | No connection         |
| 7               | No connection         |
| 8               | No connection         |
| 9               | No connection         |

| SC902 To ECM |                       |
|--------------|-----------------------|
| DB9 End      | Stripped & Tinned End |
| RX- 1        | Black (to Out-)       |
| RX+ 2        | Red (to Out+)         |
| TX- 3        | White (to In-)        |
| TX+ 4        | Green (to In+)        |
| 5            | No connection         |
| 6            | No connection         |
| 7            | No connection         |
| 8            | No connection         |
| 9            | No connection         |