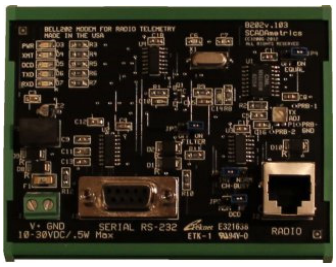
SCADAMETRICS
APPLICATION NOTE

Application Note M002
Version 002
26 April 2016

Connecting The SCADAmetrics Bell 202 Modem To the Calamp DL-3400 Series Telemetry Radio

Based on laboratory and field testing, SCADAmetrics has verified that the Model B202 modem and the DL-3400 Series Telemetry Radios by Calamp are compatible. This document describes the wiring procedures and settings required when connecting the B202 to the DL-3400.

Calamp DL-3400 Series Telemetry Radio



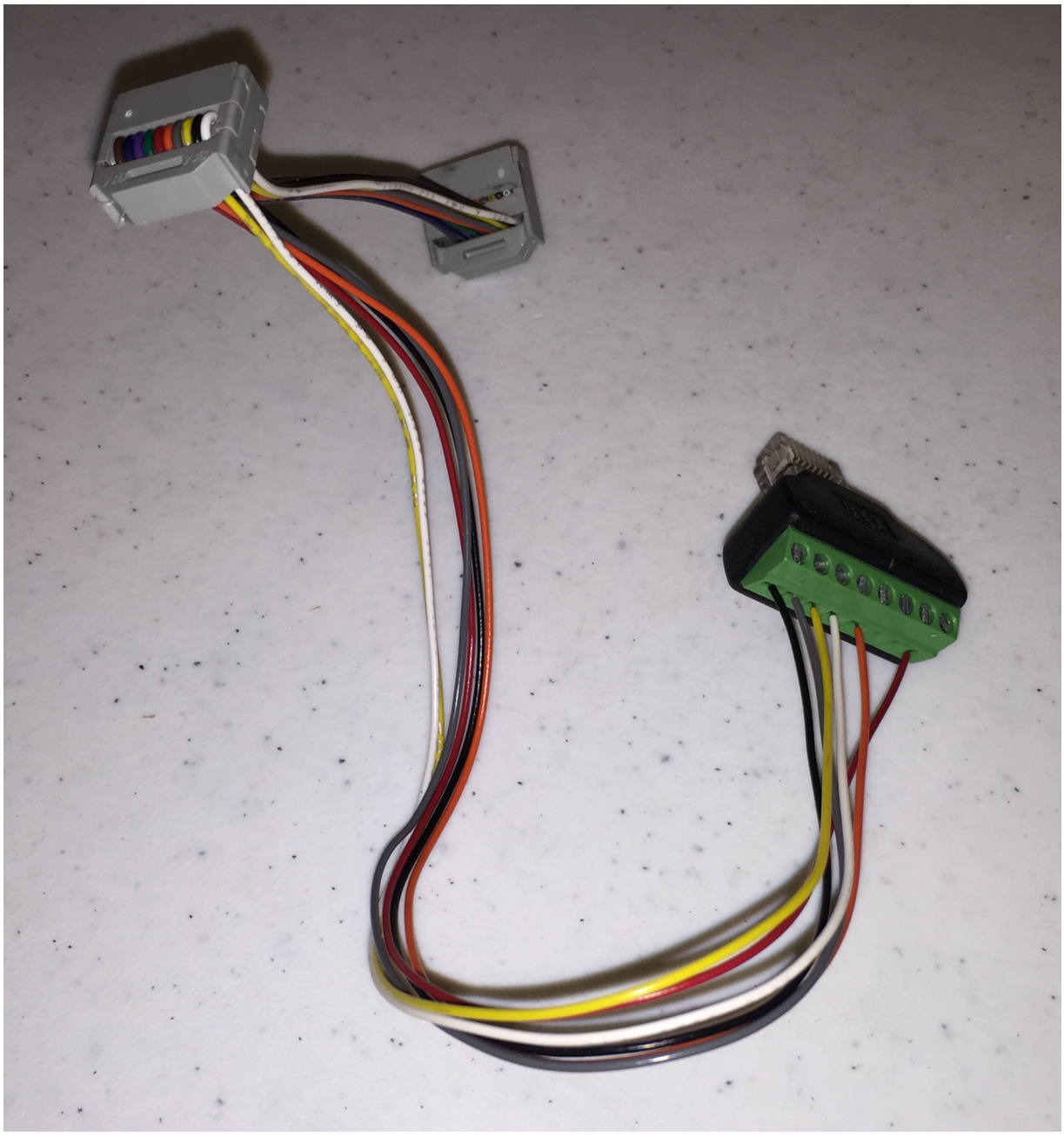
SCADAmetrics B202 Modem

1. When integrating the DL-3400 and the B202, the main step is to create the custom interface cable. This cable connects the User Interface Port of the DL-3400 radio with the RJ45F interface port of the B202 modem. Two components are required:

a. One (1) Model NV-RJ45A (by NVT)

b. One (1) Model 023-3410-109 (by Calamp)
… or, alternatively the Model 023-3410-125 (by Calamp)

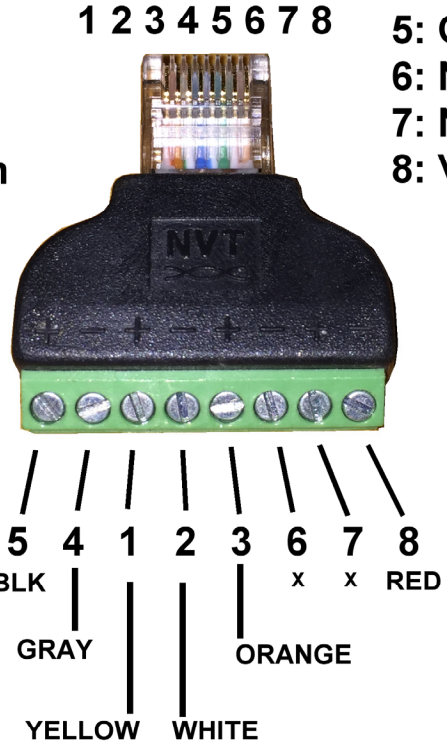
Custom Radio/Modem Interface Cable



Cable Construction Diagram Using NV-RJ45A

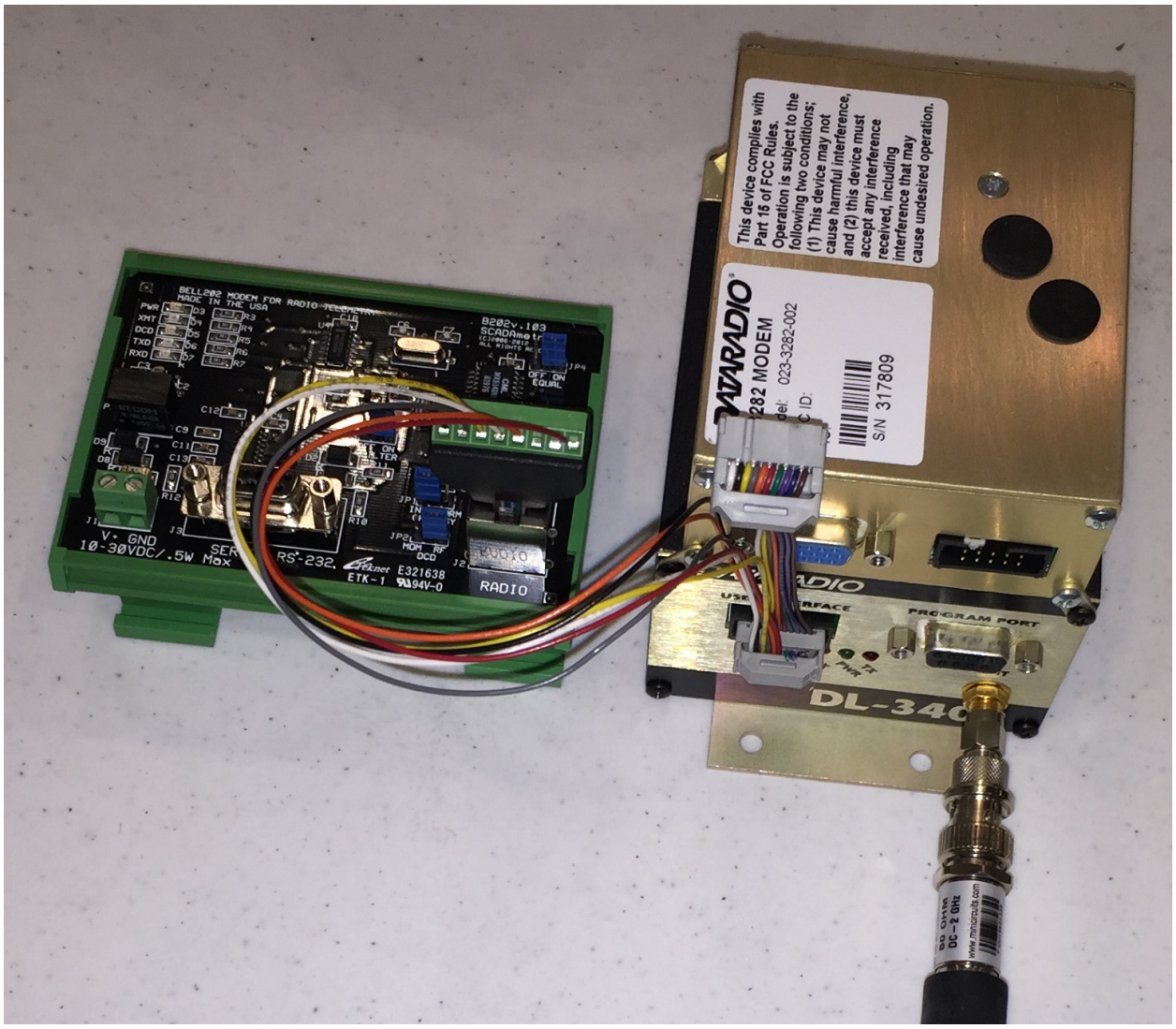
CALAMP WIRES
BLACK: GND
RED: V+
ORANGE: PTT_in
GRAY: CD_out
YELLOW: TX_NB_in
WHITE: RX_NB_out

UNUSED:
GREEN: RSSI_out
VIOLET: FREQ_SEL_in
BROWN: TX_WB_in
BLUE: RX_WB_out



MODEM PINS
1: TxAudio
2: RxAudio
3: PTT
4: Ch.Busy
5: GND
6: N/C
7: N/C
8: V+

B202 JUMPERS
JP1 (CH BUSY): NORM
JP2 (DCD): RF
JP3 (FILTER): ON
JP4 (EQUAL): ON



Custom Radio/Modem Interface Cable – Connecting B202 Modem and DL-3400 Radio
Note that the DL-3400 Radio Is Shown With a Disconnected Calamp DM3282 Modem.

Alternate Cable Construction Diagram –
Using RJ45-to-Straight-Thru Screw Terminals
VETCO Electronics Part No. VUPN10525

CALAMP WIRES
BLACK: GND
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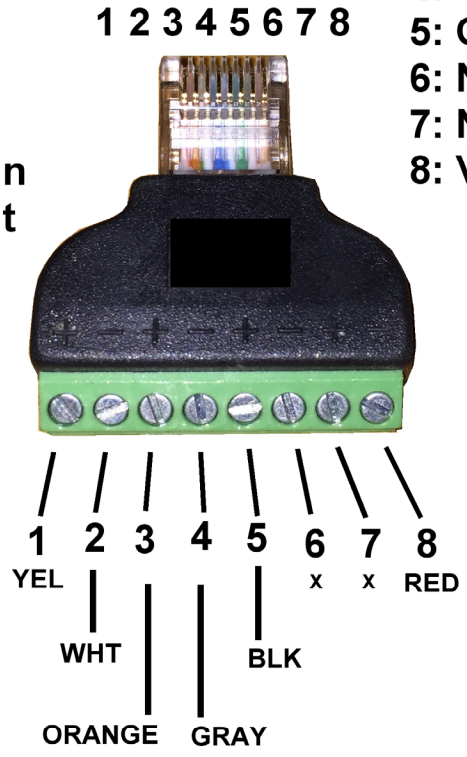
ORANGE: PTT_in
GRAY: CD_out
YELLOW: TX_NB_in
WHITE: RX_NB_out

UNUSED:
GREEN: RSSI_out
VIOLET: FREQ_SEL_in
BROWN: TX_WB_in
BLUE: RX_WB_out



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