

This document provides details for assembly of a serial data cable for connecting an Inner Range Integrati RS-232 UniBus UART Port to the Printer output port on a Honeywell BC-200 Fire Panel. This connection is required for the Integrati Controller Honeywell Fire Panel Integration. P/N: 996239

**IMPORTANT NOTES:**

**1) This connection can also be achieved up to a length of 5m by simply combining two cables and an adapter as follows:**

- Inner Range Modem Interface Cable. P/N: 993027

Connected to a: - DB25 Female to DB9 Male Adapter. e.g. Element14 Order Code: 152-5870 (Videk 1058) or RS Components 218-289

Connected to a: - DB9 Null Modem Cable Male-Female. e.g. Element14 Order Code: 283-6301 (MCM NM9-6MF)

**2) Minimum Firmware Requirements for Honeywell Fire Panel Integration. Integrati Controller: V18.1.6. UniBus UART: V1.0.3**

**Parts List for making a custom cable:**

- Inner Range Modem Cable. P/N 993027
- Shielded data cable. Minimum 2 conductors @ 7/0.2. Foil shield and 7/0.2 drain wire. Not more than 145m length.
- 9-Way Male D connector with matching shell and strain relief. (If the connector pins are of the crimp type you will also need the appropriate crimping tool)

**Assembly details:**

- 1) Assembly should only be performed by a competent technician with the appropriate wiring and soldering skills.
- 2) On the Inner Range Modem Cable, remove the shell and strain relief and de-solder the wires from the 25-way D connector.
- 3) Using an appropriate cable jointing method extend the modem cable conductors and drain wire with the shielded data cable to obtain the required total cable length. Trim and insulate unused conductors on both cables so that no short circuits are possible.
- 4) Solder or crimp the wires at the end of the cable to the DB9 connector as shown in the drawing below. The shield wire must have insulation sleeving fitted.
- 5) Fit the strain relief and plastic shell over the new 9-way D connector.

DRAWING NOT TO SCALE

