SC902IC

Attaching the RS-422 end of an SC902IC
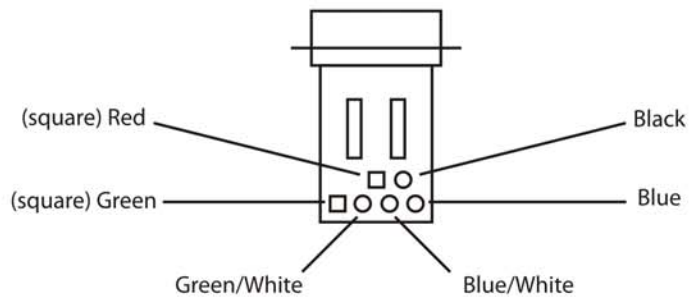
Description

The SC902IC is an RS-232 ⇔ RS-422 data translation smart cable provided with the 9-pin RS-422 connector unattached to facilitate pulling the cable through conduit or a bulkhead. The wire ends are stripped and tinned so that the connector can be soldered on before the cable is used.

Before soldering, be sure that the AC adapter of the cable is not plugged in and that the RS-232 ends of the cable are not connected to any electronic device.

The circuit board of the RS-422 connector has 6 holes for connection cable wires. The wires should enter the board on the same side as the components (diodes), and be soldered on the opposite side. Note that two of the holes have square solder pads. The following diagram defines which color wire is to be soldered to each location. **NOTE:** Use only **rosin-core** solder; damage and cable failure may result from the use of acid-core solder.

Soldering the RS-422 end onto an SC902IC cable

(square) Red — Black
(square) Green — Blue
Green/White   Blue/White

When all wires have been soldered, complete assembly by trapping slide locks and cable connector between halves of the supplied backshell and snapping together firmly. The SC902 is now ready for connection to the appropriate devices.