

APPENDIX B

UNIBUS HARDWARE

B.1 BC11A CABLE

The BC11A-XX cable is constructed from two parallel 60-conductor flat 17-00002-1 cables separated by foam, with a connector card attached to each end. It is made in various lengths from 2 feet through 50 feet at 1-foot increments. The -XX suffix denotes the number of feet.

The cable contains 56 signal lines and 64 ground lines. The connector card has 56 fingers assigned to signals and 14 assigned to ground. The BC11A cables are used to connect system units that are not adjacent.

B.2 M920 JUMPER

The M920 jumper contains a short piece of 60-conductor cable carrying 56 Unibus signals and 4 grounds between two connector cards. The cards are held rigidly in parallel, one inch apart, by a handle. The M920 jumper is used to connect system units which are adjacent.

B.3 M9202 24-INCH JUMPER

The M9202 24-inch jumper has the same cable construction as the BC11A-2. The cable is folded inside the jumper. The connector cards are held rigidly in parallel, one inch apart, by a handle. The M9202 is sometimes used in place of the M920 to connect adjacent system units on distributed-load Unibus segments.

B.4 TERMINATOR CARDS (M930, M981)

Terminator cards provide the matched termination that the Unibus signal lines need to prevent reflections. The M930 plugs into a slot that might normally be connected to a continuation of the Unibus segment (i.e., M930 is connected to each end of the segment).

There are 14 ground and 2 +5-volt connections, connected according to the connector block pin list (Refer to Paragraph B.6.)

The M981 is effectively an M930 placed on an M920 jumper.

B.5 DRIVERS, RECEIVERS AND TRANSCEIVERS

Listed below are the drivers, receivers, and transceivers used to interface with Unibus cable:

1. 8640, 956 -Quad NOR gate (receiver)
2. 8641, 964 -Quad transceiver (receiver/driver)
3. 8881, 957 -Quad NAND gate (driver)