

# SDCK

## Signal Driver Cable Kit

### Features & Specifications

- Use with Digitrax SE8C for easy Plug N' Play signal installation
- Makes 2 cables with connections for four signal heads

### Parts List

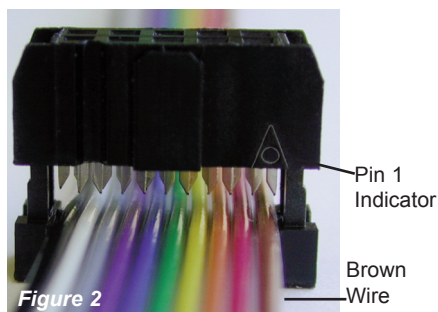
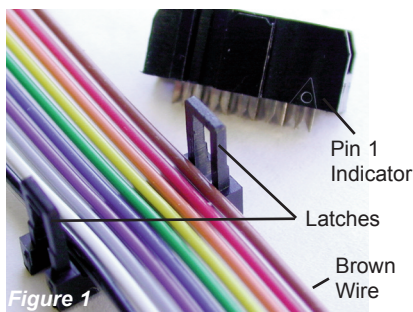
30' 10 Wire Ribbon Cable

8 10-Pin Connectors

### Making signal driver cables

The SE8C uses a 10-wire ribbon cable, called a Signal Driver Cable, to connect each Driver Socket on the SE8C board (DRV1-DRV8) to the set of four signals that it controls. To make Signal Driver Cables you can use any 10 wire, 30 AWG ribbon cable and four 10-Pin sockets.

1. Cut 10-Wire Ribbon Cable into your required lengths. When measuring the distance from the SE8C location to the signal lights, allow enough cable to provide for twisting the cable into position under the layout, securing the cable and sockets to the sub-roadbed base and to allow for plugging in the Signal Mast Base. Make the cuts straight and square across the ribbon cable. Use a marker to mark the points where the socket for each signal will be placed on the signal driver cable.
2. Separate the two pieces of the connectors. Be careful not to break the latches on the sides of the top part of the connector.
3. Lay the ribbon cable into the grooves in the top part of the connector. (Fig.1) For the connector on the end of the cable, the cable should not extend more than 1/16" beyond the connector.



The cable may be placed in the bottom part of the connector with the brown wire to the right (shown below) OR left as long as the top part is placed with the Pin 1 indicator arrow over the brown wire for installation.



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4. Place the top part of the connector, metal pins toward the cable, over latches the bottom part of the connector. The Pin 1 indicator arrow on the side of the connector should be over the Brown wire.
5. Squeeze the two parts of the connector together around the ribbon cable. The easiest way to do this is in a vise using wood blocks to protect the socket from being crushed. Repeat the steps for each socket. For making installation easier, the socket can face in either direction, as long as the Pin 1 indicator arrow is above the brown wire.
6. Test the completed Signal Driver Cable prior to installation on your layout using the procedures detailed in the Pre-Installation Testing Procedures Section of the SE8C Manual. Once testing is complete the Signal Driver Cable is ready to be plugged in to one of the SE8C's driver sockets.

**You will need eight Signal Driver Cables if you want to hook up all of the 32 signals that can be controlled by each SE8C.**

## **Warranty & Repair**

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