URGENT INSTRUCTION SUPPLEMENT
711 CONNECTOR SYSTEM
GENERAL SPLICING INFORMATION

1. GENERAL

1.1 The purpose of this UIS is to inform Installation that the 711A Connector (current design) may be used on certain types of wire with irradiated PVC (IPVC) and Cotton-Lacquer (CL/PVC) insulations when special procedures are followed. Specifically, it is permissible to use the 711A Connector with 24 gauge C (M-cable) and 22 and 24 gauge DM (R-cable) wires providing certain restrictions and requirements are met.

2. INSTRUCTIONS

2.1 Under contents, add the following:

5.3 "M" and "R" Cable Requirements

2.2 Change Table B to read as follows:

CODE NO.	COMCODE NO.	DESCRIPTION
711MB1-24	103043626	24 Wire Mandrel, 22-24 Ga. BU, C* and DM* Wire
711MB1-64	103043667	64 Wire Mandrel, 22-24 Ga. BU, C* and DM* Wire

*Indicated special handling required - see Paragraphs 5.3 through 5.315.

2.3 Change Paragraph 3.21 to read as follows:

3.21 The 711 Connector System has BTL approval for splicing, half-tapping, and bridging switchboard cables within a Central Office. 22 through 26 gauge polyvinyl chloride (BU,BY) insulated wire has full approval for usage within the 711 Connector System. 24 gauge C (M-cable) and 22, 24 gauge DM (R-cable) may also be used, however, the restraints and requirements of Paragraphs 5.3 through 5.315 must be met. A design change of the slotted beam contacts is currently being worked on and if this change proves to be successful these restraints and requirements will be removed with the release of the new design.

2.4 Add the following to the bottom of Paragraph 5.11:

5.11 (see Figure 37). PVC Insulated Wire (BU,BY) only requires a single insertion into the slotted beam contacts of the connector module. However, until the new design slotted beam contacts have been approved, C-type (M cable) and DM-type (R cable) will require at least two insertions of the wired receptacle into the connector module. (Refer to Paragraph 5.3.)

2.5 Add Paragraphs 5.3 through 5.315 to read as follows:

5.3 "M" and "R" Cable Requirements

5.31 The CL/PVC (M cable) and IPVC (R cable) insulations were designed to be highly abrasion resistant and consequently it is difficult to completely remove using the present slotted beam contact utilized in the connector module. Therefore, the following requirements and restrictions must be followed when using either "M" or "R" type cable, "C" or "DM" type wire, in the 711 Connector Splicing System.

5.311 The connector module must be inserted at least twice into the wired receptacle, i.e., after the assembly has been pressed together as described in Paragraph 5.122 (Figure 41). Separate the assembly as shown in Figure 44 and then press the assembly back together again for a second time.

5.312 22 and 24 gauge conductors with these insulations cannot be mixed in a mandrel.

5.313 It is permissible to interconnect 22 gauge wires in one receptacle and 24 gauge wires in the mating unit.

5.314 The connector module may be reconnected up to ten times providing the same wire is seated in the mandrel of the receptacle. However, if new wires are seated in the mandrel of the receptacle, a new connector module must be used.

5.315 After a connector module has been pressed into a receptacle utilizing these types of wire insulation, it cannot be reused again on other new wires. Always use a new connector module when this condition occurs.

NOTE: When (IPVC) and (CL/PVC) insulation is pressed into a connector module, it causes a small permanent set in the contact wire slots and limits the subsequent insulation piercing capability of the 711 Connector.

Engineering Planning Manager
(Installation)