

CABLE SPLICING—GENERAL

307W RETARDATION COIL

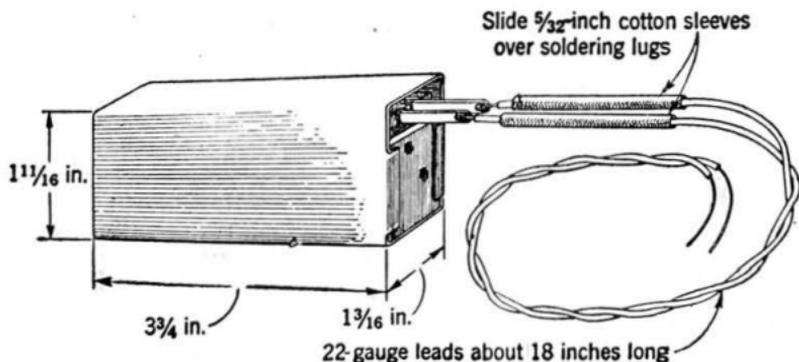
Contents	Page
1. General	1
2. Description	1
3. Preparation	2
4. Installation	2

1. GENERAL

1.01 This section outlines the method of installing the 307W Retardation Coil that is used in connection with locating faults in transposed toll cables. The coil is bridged to the standard cable pair at a splice near the midpoint of the cable. The splicing plan will indicate the splice, and the pair to which the coil should be bridged.

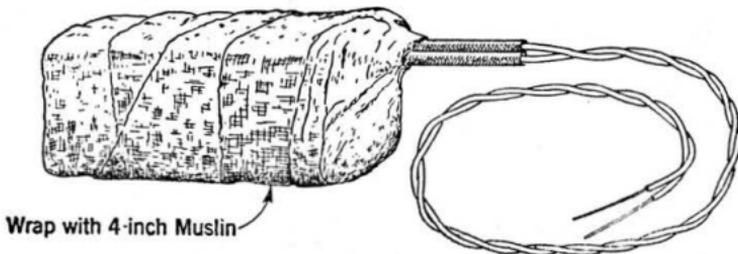
2. DESCRIPTION

2.01 The 307W Retardation Coil is illustrated in the sketch below. Two 22-gauge leads about 18 inches long having textile or paper insulation should be soldered to the terminals of the coil.



3. PREPARATION

3.01 After the leads have been connected to the coil, it should be wrapped with muslin to minimize the possibility of the terminals or case cutting the insulation on the conductors in the splice. A coil prepared for installation is shown below.



4. INSTALLATION

4.01 The prepared coil should be placed in the splice with the leads projecting from the splice. Slide the cotton sleeves from the joints of the pair to which the coil is to be bridged and connect the leads to the joints. Then solder the leads and replace the cotton sleeves. The arrangement of the coil in a splice is illustrated below.

