**BELL SYSTEM PRACTICES**
**Outside Plant Construction and Maintenance**

**SECTION G61.175.1**
**Issue 4, October, 1950**
**AT&T Co Standard**

# CABLE TERMINATION

## INSTALLATION OF OPEN CABLE FORMS

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## 1. GENERAL

1.01 This section covers the termination of textile insulated cables on B-type main and double-sided protector frames in central offices and on frames at P.B.X. installations by means of the 12-type Distributing Ring. Three sizes of rings are available. The 12A ring has a capacity of 202 pairs of conductors, the 12B ring, 404 pairs and the 12C ring, 101 pairs.

1.02 When distributing rings are employed, the cable conductors are not sewn and because of this the termination is called an "Open Cable Form."

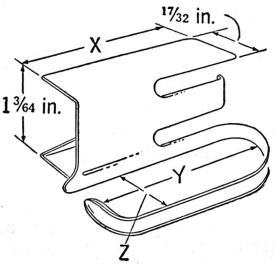
1.03 The section is reissued to cover a change in the method of attaching the butt of the form to the frame.

## 2. DESCRIPTION

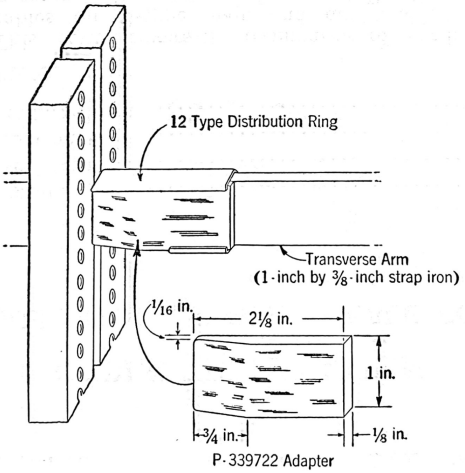
2.01 The 12A, B and C Distributing Rings illustrated in the following sketch are similar except for size. The rings have a baked enamel finish and, therefore, fibre insulators are not required under them. The rings are installed on the transverse arms with the closed end butting against the fanning strip and the open end away from the fanning strip. The size of the ring to be installed at the various transverse arms is determined by the number of pairs in each ring. The 12C ring is used for

101 pairs or less, the 12A ring for 101 to 202 pairs, and the 12B ring for 202 to 404 pairs.

| Code | X | Y | Z |
|---|---|---|---|
| 12A | 2 3/16 in. | 1 7/8 in. | 15/16 in. |
| 12B | 3 1/16 in. | 2 3/4 in. | 1 3/8 in. |
| 12C | 1 3/4 in. | 1 9/16 in. | 13/16 in. |




2.02 In order to obtain a firm fit when the rings are installed on transverse arms made of 1-inch by 3/8-inch strap iron, a P-339722 Adapter is placed between the arm and ring as shown below. The Adapter is not required on rings installed on transverse arms made of 1-inch by 1/2-inch channels.



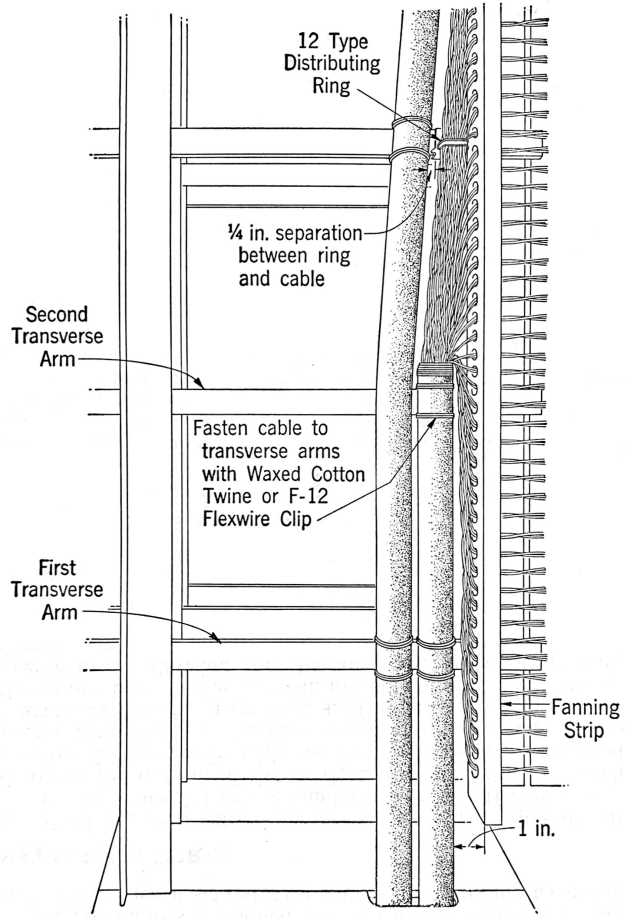

P-339722 Adapter

## 3. PREPARING CABLE

3.01 The required length of sheath is removed (depending on whether one or two forms are made from one piece of cable), the conductors are boiled with hot impregnating wax and the end of the sheath served with waxed cotton twine as usual.

## 4. INSTALLING FORM

4.01 Feed the stub cable into the cable vault or splicing pit through the slot or hole under the frame. If conductors terminate at the bottom of the vertical, place the stub one inch back of the fanning strip with the butt just above the second transverse arm, and lash the stub to the first and second transverse arms, as illustrated on page 4. If a separate form is used for the upper part of the vertical, attach the stub to **alternate** transverse arms, allowing the clearance necessary for placing the lower form.




4.02 Place the pairs in the rings and through the holes in the fanning strip, as illustrated. Terminate the pairs on the lugs of the protector mountings or jacks in the usual manner.