

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G50.620.1
Issue 1, May, 1948
AT&T Co Standard

CABLE SPLICING—GENERAL

TEMPORARY CLEARING OF CABLE END

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1. GENERAL

1.01 This section covers the method of clearing a cable end so that the ends of the conductors will be free from shorts or crosses during identification and testing operations.

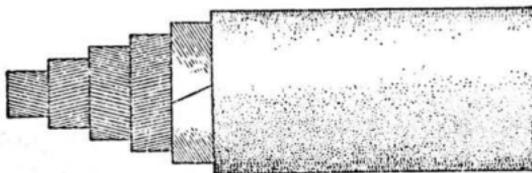
2. CLEARING

2.01 Remove the sheath at the end of the cable for about 6 to 8 inches depending on the size of the cable. If the end of the cable is painted red to indicate the presence of defective pair tags, be careful in removing the sheath so as not to disturb the tags.

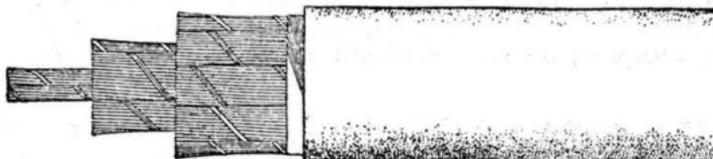
2.02 Remove the core wrapping papers up to about 1/2 inch of the edge of the sheath. Because the opening is temporary it is not necessary to protect the core at the edge of the sheath.

2.03 Cut the ends of the conductors, except those tagged as defective, as shown in the following diagram. Make sure that the wires are cut off square and free from contact with each other and with the cable sheath.

LAYER TYPE CABLE



MULTIPLE UNIT TYPE CABLE



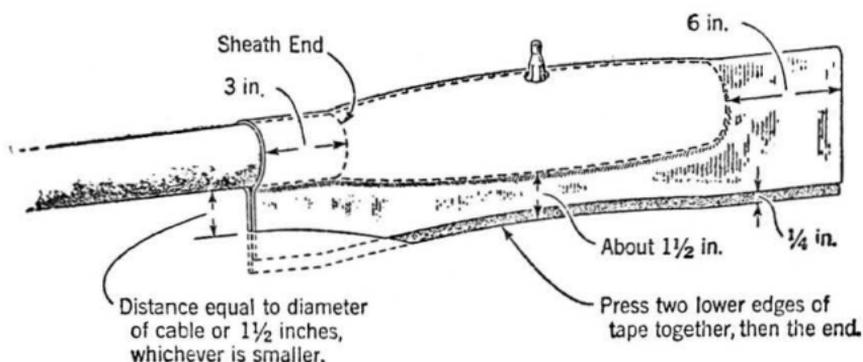
2.04 Conductors that are tagged by the manufacturer as being defective should be left longer than the other conductors, and cleared from any contacts. The original tags should either be left on or replaced with new tags.

3. WRAPPING AND PROTECTING

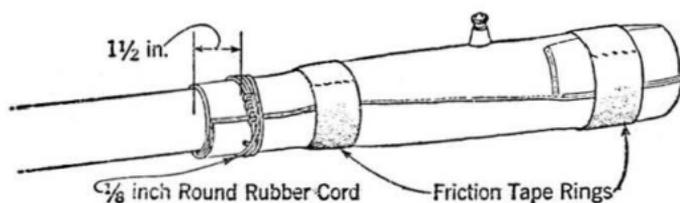
- 3.01 Place desiccant in the cleared cable end in the usual manner. Wrap with two layers of dry muslin.
- 3.02 If the cable end is located in a dry place and there is no danger of flooding apply two layers of friction tape over the muslin and sheath and paint with No. 2 Asphalt Paint.
- 3.03 If the cable end is in a wet location or where flooding is likely, cap the end with a wiped sleeve or protect it with CR tape.

4. WRAPPING WITH CR TAPE

- 4.01 Apply one layer of friction tape over the muslin wrapping. Then clean about 4 inches of the sheath with a carding brush.
- 4.02 Cut a piece of CR tape about 7 inches longer than the friction tape wrapping and about 3 inches wider than the largest circumference of the wrapping. If the wrapping is to be pressure tested, insert the valve in the usual manner. Then fold the CR tape over the end of the cable as shown in the following diagram.



4.03 Fold the 6-inch overlap formed by the CR tape back over the cable; then wrap the fin of CR tape around the cable and fasten it with friction tape. Apply several tight turns of rubber cord as illustrated below.



4.04 If the wrapping is to be pressure tested it should be done at this time, using a pressure of about one pound.

4.05 Cover the wrapping to within 1/4 inch of the end of the CR tape with one layer of muslin and two layers of friction tape each overlapped one-half its width. Then place four or five strips of friction tape lengthwise over the end of the cable and bind them down at two points as shown in the following sketch.

