

OPEN WIRE

GENERAL

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1. GENERAL

1.01 This section provides information on the scope of Open Wire Practices and detail plans.

2. SCOPE

2.01 Practices in the Open Wire group describe standard materials and methods to be used in the construction, testing, inspection, repair and removal of open wire circuits.

2.02 Many construction details are the same for all types of circuits. Where differences may exist, the Practices will indicate the construction details for the particular type of circuit.

2.03 Diagrams and sketches throughout the Practices are designed to illustrate only the particular construction described in the text and are, therefore, not necessarily complete in every detail.

2.04 Construction of open wire lines at railroad crossings shall be in accordance with the Practices covering Aerial Railroad Crossings.

2.05 Installation of auxiliary equipment at junctions between cable and open wire, such as loading and carrier apparatus, shall be in accordance with the Practices covering such equipment.

2. 06 All guys required in connection with the placing of open wire shall be located and installed in accordance with the sections of the Practices covering Guying.

3. DETAIL PLANS

3. 01 Plans showing the proposed work in detail will generally be furnished to the construction forces before any job is undertaken, except that emergency jobs may be undertaken in advance of receipt of detail plans.

3. 02 The detail plans will, in general, specify the type circuits to be placed and the kind and size of wire to use.

(a) Due to the high cost of copper and copper-steel line wire it should only be used when required for transmission reasons and with the following exceptions:

(1) In general, copper wire should be used in severe-corrosive areas, as listed in G32. 129. 1, substituting copper-steel wire where higher strength wire is required due to span lengths.

Note: In these severe-corrosive areas where field experience indicates that corrosion of the wire is not a major factor, steel wire may be used if it meets transmission requirements.