

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

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LASHED AERIAL CABLE

DESCRIPTION OF LASHING WIRE

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1. GENERAL

1.01 This section describes the lashing wire used in lashing aerial cable to its supporting strand. It is reissued to include D Steel Lashing Wire. Issue 3 is replaced.

2. DESCRIPTION OF LASHING WIRE

2.01 Lashing wire is furnished in preformed coils of suitable size for insertion in the magazine of the cable lashing machine. The side of the coil on which the binding knots appear is the outer face of the coil when placed in the machine.

2.02 In estimating the length of lashing wire required, add about 10 per cent to the cable length for small cables or about 20 per cent for large cables.

2.03 Three kinds of standard lashing wire are available, as follows:

(a) **B STEEL LASHING WIRE:** This is a zinc coated steel wire .091 inch in diameter, intended for use only in locations where corrosion conditions are not severe.

(b) **C STEEL LASHING WIRE:** This is a chromium steel wire. It has good rust-resisting properties and is intended for general use and where corrosion conditions are severe. This wire, in either size, may be used to lash cables over railroads. It is also used when lashing cable to 6M CR Steel Strand.

C Steel Lashing Wire is available in the following sizes:
.045-inch diameter—For use in the C and D Cable Lashers.

.065-inch diameter—For use in B Cable Lashers and D Neale Spinners.

Note: Surface discoloration may appear on this wire in a short time after installation if corrosive conditions are particularly severe. This brown stain has the appearance of rust but unlike rust does not affect the strength of the wire.

(c) D STEEL LASHING WIRE: This wire .045 inch in diameter, is for lashing aerial cables to 10M and 16M CR Steel Strand. It is made of the same material as these strands in order to minimize galvanic corrosion when used in severe seacoast atmospheres. This wire is for use in the C and D Cable Lashers and is distinguishable from the 045 C Steel Lashing Wire only by the cotton binders which are RED instead of WHITE.

2.04 Occasionally special types of lashing wire are prescribed to meet particular conditions. These have included neoprene jacketed wire and another type similar in appearance to C Steel Lashing Wire, but manufactured of a different alloy. Place special wires in the manner prescribed for the standard wires, except as modified by special instructions for these jobs.