

## WIRE ROPE SLINGS

### NOTES CONCERNING THIS ADDENDUM

This addendum supplements Section G97.617.1 with information relative to the use of Wire Rope Slings, and additional safety precautions to be observed.

The following should be marked "See Addendum" and treated as indicated.

- Paragraph 1.01 - Replaced
- Paragraph 1.03 - Added
- Paragraph 2.01 - Replaced

### 1. GENERAL

1.01 Wire rope consists of a number of wires laid into strands and the strands in turn laid around a core to form the rope, from which the sling is then formed. This type of construction for slings gives the advantage of a warning before failure, in that quite a few wires may become broken before the sling becomes unsafe for use, since the inside wires which are protected from wear by the outer wires constitute the reserve strength of the rope which is sufficient to carry the recommended safe load. Therefore, wire rope has been found to be superior to other forms of lifting members because of its greater strength with much less weight, combined with flexibility.

1.03 Wire rope slings are used as shown in the various sections of the Bell System Practices, and for attaching the winch line to poles and other objects that are handled with the derrick or winch line. They may also be used in many work operations where manila rope lashings are specified, such as attaching the chain hoist to poles when tensioning or dead-ending strand, or transferring, raising or lowering aerial cables.

## 2. SAFETY PRECAUTIONS

2.01 When using wire rope slings observe the following safety precautions and also the safety precautions pertaining to the equipment with which it is used.

- (a) Three scheduled inspections of wire rope slings, daily, monthly and semiannual, should be made in accordance with Bell System Practice, Wire Rope - General.
- (b) The sling shall not be used on poles where it might come in contact with power wires or associated equipment and shall never be used above power wires.
- (c) The sling shall not be used on poles with vertical power runs or risers so located that the sling will come in contact with any power wire or associated equipment.
- (d) In raising or lowering the sling and in handling on a pole, prevent contact between the sling and electrical circuits on the pole or within reach.
- (e) Avoid bending slings over sharp corners.
- (f) Leather gloves shall be worn when handling slings to prevent cuts and puncture wounds resulting from broken wires.
- (g) On returning slings to the storeroom, each sling shall be tagged either "good" or "defective."