

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G31.080.1
Issue 1, February, 1957
AT&T Co Standard

OPEN WIRE

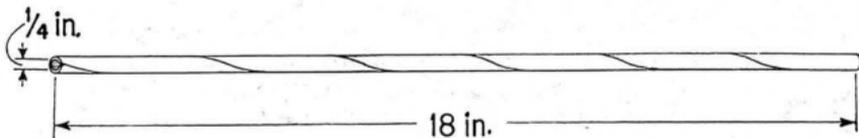
B VIBRATION DAMPER

1. GENERAL

- 1.01 This section covers the description and use of the B vibration damper.
- 1.02 This damper will reduce high-frequency line wire vibration to an extent where the possibility of fatigue failure is practically eliminated.

2. DESCRIPTION

- 2.01 The B vibration damper, made of black thermoplastic, is 18 inches long, 1/4 inch inside diameter, and is formed of helically slit tubing.
- 2.02 This single size will fit all standard sizes of bare line wire.



B VIBRATION DAMPER

3. USE

3.01 Install B vibration dampers on line wire to suppress high-frequency vibrations induced by wind in accordance with work prints or other instructions for the following purposes:

- (a) To avoid fatigue failure in line wire.
- (b) Reduce breakage of twisted pair wires caused at bridging points by vibration of the line wire.
- (c) Reduce vibration noise at a building, which is usually transmitted from the line wire by a drop wire.

3.02 Install the damper by spiraling it on the line wire.

3.03 Allow the damper to be free to move on the line wire. It will be effective regardless of its location in the span. Place one damper in each span where vibration suppression is required.

3.04 Do not cut or alter the length of the damper.

