AERIAL CABLE

D AND E CABLE GUARD—PROTECTION FROM SQUIRRELS AND BIRDS

1. GENERAL

1.01 This section contains information on D and E cable guards (AT-8815) used for the protection of aerial cable from damage by squirrels or birds.

1.02 This section is reissued to include information on D and E cable guards. The C cable guard (AT-8402) is rated MD.

2. DESCRIPTION

2.01 The D and E cable guards are shown in Fig. 1 and 2, respectively.

Fig. 1—D Cable Guard  
Fig. 2—E Cable Guard

NOTICE

Not for use or disclosure outside the Bell System except under written agreement

Printed in U.S.A.
2.02 Table A lists the D and E cable guards, the available sizes, and applications.

**TABLE A**

<table>
<thead>
<tr>
<th>CABLE GUARD</th>
<th>SIZE (IN.) (VERTICAL HEIGHT)</th>
<th>WT. (LBS)</th>
<th>WILL FIT CABLE DIAMETER (IN.)</th>
<th>APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>1.5</td>
<td>1.2</td>
<td>0.50 to 1.22</td>
<td>Ring Supported Cable</td>
</tr>
<tr>
<td></td>
<td>2.5</td>
<td>1.9</td>
<td>1.22 to 2.25</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>1.87</td>
<td>1.0</td>
<td>0.50 to 1.0</td>
<td>Lashed or Self-Supported Cable</td>
</tr>
<tr>
<td></td>
<td>2.37</td>
<td>1.75</td>
<td>1.0 to 2.0</td>
<td></td>
</tr>
</tbody>
</table>

*Note 1:* Should also be used where obstructions prevent the use of the E cable guard

3. **INSTALLATION**

3.01 Where D or E cable guards are specified for a particular area, each cable span and associated splice sleeves must be protected throughout.

3.02 The D and E cable guards may be installed by one individual using a ladder or an aerial lift truck. Each length of cable guard must be placed in position continuously along the span as required. The guards may be readily trimmed with B tabbing shears where standard lengths are too long or where notching for span clamps is required.

*Note:* In colder temperatures the cable guards will be less flexible and more difficult to trim. It is recommended that the cable guards be placed when temperatures are above 20°F.

**D Cable Guard**

3.03 Install D cable guards in accordance with Fig. 3. Place B or C lashed cable supports in slots to secure cable guard to strand. Use a minimum of five supports per ten foot section of cable guard.
**E Cable Guard**

3.04 Install E cable guards by snapping in place over self-supporting cable or lashed cable as shown in Fig. 4 and 5.

3.05 Three or more sections of cable guard can often be placed to the right and to the left of the midspan starting point.

3.06 At splice sleeve locations, place the D cable guard such that the ends overlap the adjacent E cable guards by several inches.

3.07 D and E cable guards may be removed for cable inspection or relocation and reuse.

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**Fig. 4—Installation of E Cable Guard**

1. SNAP ONE END OF THE CABLE GUARD OVER SUPPORT STRAND AND CABLE AND PUSH THE GUARD ALONG THE CABLE UNTIL IT IS MOUNTED.
   (NOTE: CABLE VENTS WILL NOT INTERFERE WITH THE INSTALLATION OF THE GUARD)

2. INSTALL CABLE GUARD SECTIONS TO THE RIGHT (AND LEFT) OF THE MIDSPAN STARTING POINT BUTTING THE ENDS TOGETHER AND PLACING ALONG THE STRAND AND CABLE.

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**Fig. 5—E Cable Guard Installed on Self-Supporting Cable**