

SUPPORTS AT Y-SPLICES

DESCRIPTION AND USE

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1. GENERAL

1.01 This section describes the methods of supporting branch cables at Y-splices.

1.02 The reasons for reissuing this section are listed below. Revision arrows are used to emphasize the more significant changes.

- (a) Increase D cable spacer sizes in 1/4-inch increments from 1/4 through 3-1/4 inch sizes
- (b) Include the C lashed cable support.

2. POLYETHYLENE OR LEAD SHEATH CABLE—SPLICE CASES

2.01 The D cable spacer is made of black polyethylene and is used with lashed cable supports to maintain the desired separation between strand and cable. The D cable spacers are available in 1/4-inch increments from 1/4 through 3-1/4 inch sizes (Fig. 1).

2.02 Select a D cable spacer of appropriate size as outlined in Section 627-340-101 and position between the cables approximately 6 inches from the splice case as shown in Fig. 2.

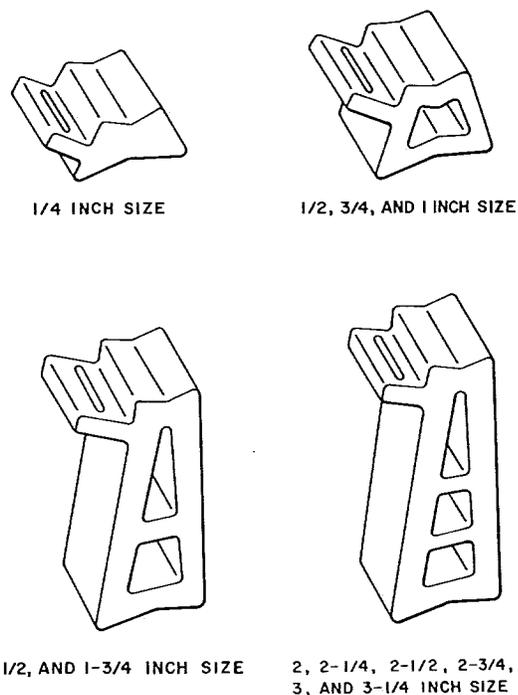


Fig. 1—D Cable Spacers

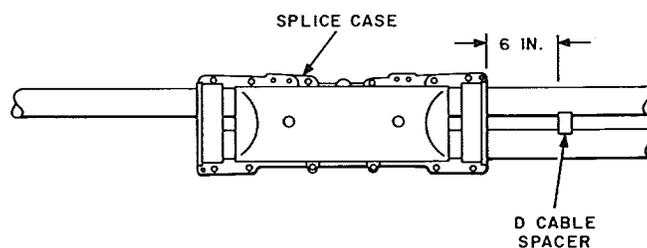


Fig. 2—D Cable Spacer Positioned Between Cables

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2.03 The B lashed cable support (Fig. 3) is a stainless steel strap $\frac{3}{4}$ inch wide with a buckle loop for holding and terminating the wraps of the strap.

2.04 The C lashed cable support (Fig. 4) is a black molded nylon strap approximately $\frac{5}{16}$ inch wide with a molded ratchet buckle on one end which is self-locking and nonreleasable.

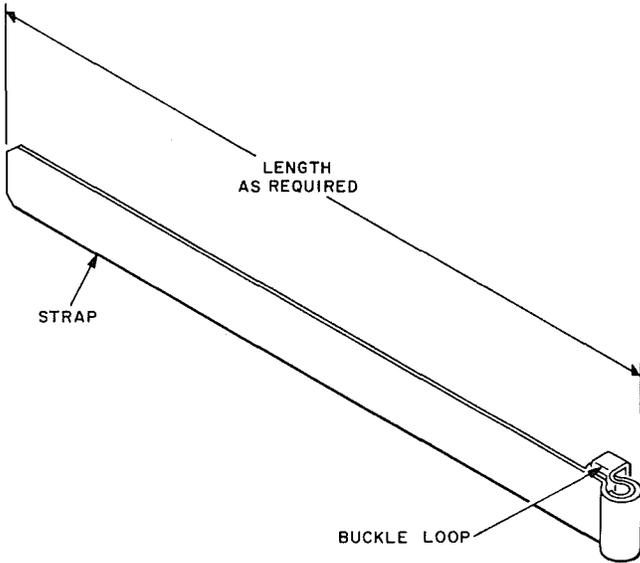


Fig. 3—B Lashed Cable Support

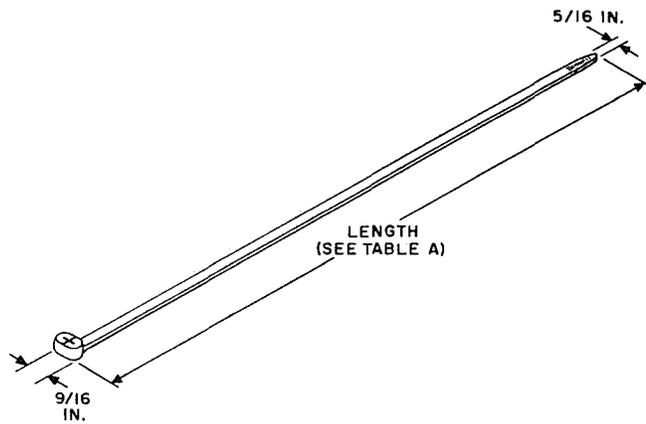


Fig. 4—C Lashed Cable Support

2.05 The length of the lashed cable supports required for use with various combinations of cable and spacer sizes is shown in Table A. If desired, where extra length is available the supports may be double wrapped for greater strength.

Note: The C lashed cable support should not be used on sleeves greater than 2-1/2 inches in diameter or on cables heavier than 8 pounds per foot.

◆ TABLE A ◆

LENGTH OF CABLE SUPPORT TO BE USED
WITH VARIOUS SIZES OF CABLE AND SPACERS

CABLE OR SLEEVE DIAMETER (INCHES)	LENGTH OF CABLE SUPPORT (INCHES)												WHEN USED WITH WIRE HANGER
	SPACER SIZE (INCHES)												
	1/4, 1/2		3/4, 1		1-1/4, 1-1/2,		1-3/4, 2-1/2		2-1/4, 2-1/2		2-3/4, 3, 3-1/4		
	B SUPPORT	C SUPPORT	B SUPPORT	C SUPPORT	B SUPPORT	C SUPPORT	B SUPPORT	C SUPPORT	B SUPPORT	C SUPPORT	B SUPPORT	C SUPPORT	
Up to 1/2	16	13-1/2	16	13-1/2	22	13-1/2	22	13-1/2	28	13-1/2	34	13-1/2	16
3/4	16	13-1/2	22	13-1/2	22	13-1/2	28	13-1/2	28	13-1/2	34	13-1/2	16
1	22	13-1/2	22	13-1/2	28	13-1/2	34	13-1/2	34	13-1/2	34	13-1/2	16
1-1/2	22	13-1/2	28	13-1/2	34	13-1/2	34	13-1/2	34	13-1/2	45	13-1/2	22
2	28	13-1/2	34	13-1/2	45	27-1/2	45	27-1/2	45	27-1/2	45	27-1/2	22
2-1/2	34	13-1/2	45	27-1/2	45	27-1/2	45	27-1/2	45	27-1/2	45	27-1/2	28
3	45	—	—	—	—	—	—	—	—	—	—	—	34
3-1/2	45	—	—	—	—	—	—	—	—	—	—	—	45
6	66	—	—	—	—	—	—	—	—	—	—	—	—
7	78	—	—	—	—	—	—	—	—	—	—	—	—

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2.06 Select a B lashed cable support long enough to make two complete wraps around the cables and cable spacers.

2.07 Wrap one turn of the B lashed cable support loosely around the cables and thread the strap through the buckle loop as shown in Fig. 5.

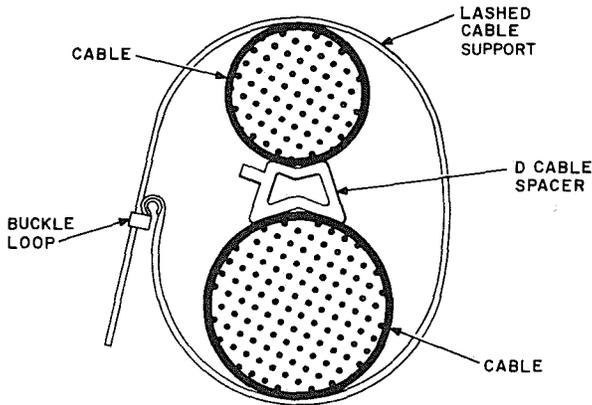


Fig. 5—Lashed Cable Support Wrapped Loosely Around Cable

Danger: To avoid the possibility of cutting gloves or hands, do not attempt to pull the support tight without the use of pliers.

2.08 Make a second wrap of the cable support around the cables passing the strap through the buckle loop. Pull the strap tight with pliers, while holding the strap in contact with the cables to prevent turning, then bend the end of the strap up over the buckle as shown in Fig. 6. (Note that the strap is not passed through the slot of the D cable spacer.)

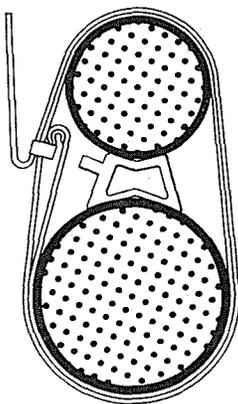
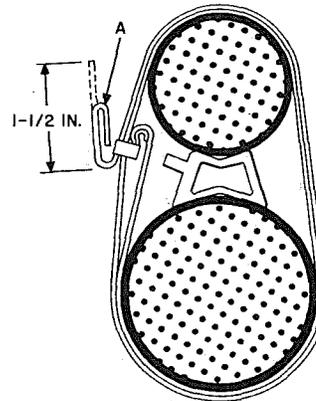


Fig. 6—Lashed Cable Support Wrapped Twice Around Cables—Pulled Tight and Bent Over Buckle Loop

2.09 Cut off the strap squarely about 1-1/2 inches beyond the bend at the buckle loop. Remove the sharp corners by trimming 1/8 inch of material at approximately a 45 degree angle. Fold the strap over itself with the end butting against the near end of the buckle loop (A) as shown in Fig. 7.



NOTE:
CUT STRAP 1-1/2 IN. BEYOND
BUCKLE LOOP.

Fig. 7—Lashed Cable Support Cut to Length and Bent Over

2.10 Force the bent portion flat against the strap to complete the installation as shown in Fig. 8.

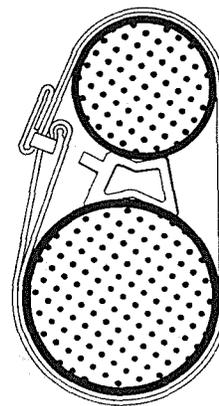


Fig. 8—Complete Installation—Lashed Cable Support and D Cable Spacer

3. LEAD SHEATH CABLE—WIPE Y-JOINT

3.01 A completed installation of a lashed cable support when used at a wiped Y-joint is shown in Fig. 9.

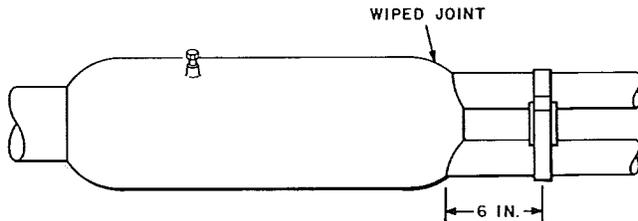
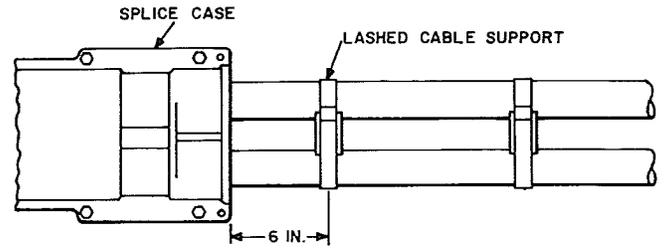


Fig. 9—Completed Installation—Lashed Cable Support at Wiped Y-Joint

4. SPACING

4.01 If the branch cables are parallel for more than 18 inches from the splice, place a second D cable spacer 12 inches from the first spacer and wrap with a lashed cable support (Fig. 10) as outlined in paragraphs 2.07 through 2.10.



NOTE:
INSTALL SECOND LASHED CABLE SUPPORT WHEN CABLES ARE PARALLEL FOR MORE THE THAN 18 IN.

Fig. 10—Second Lashed Cable Support Placed

