HYSOL * BUTT SPLICE CASE

DESCRIPTION AND INSTALLATION

1. GENERAL

1.01 This section covers the description and use of the Hysol Butt Splice Case, which may be used as a splice closure on unexposed cable in buildings. *Do not use this splice case in locations where it will be exposed to direct sunlight.*

1.02 The Hysol Butt Splice Case can be used in place of the conventional tape wrappings and offers the following advantages:

(a) Can be installed initially in about half the time required for tape wrapping

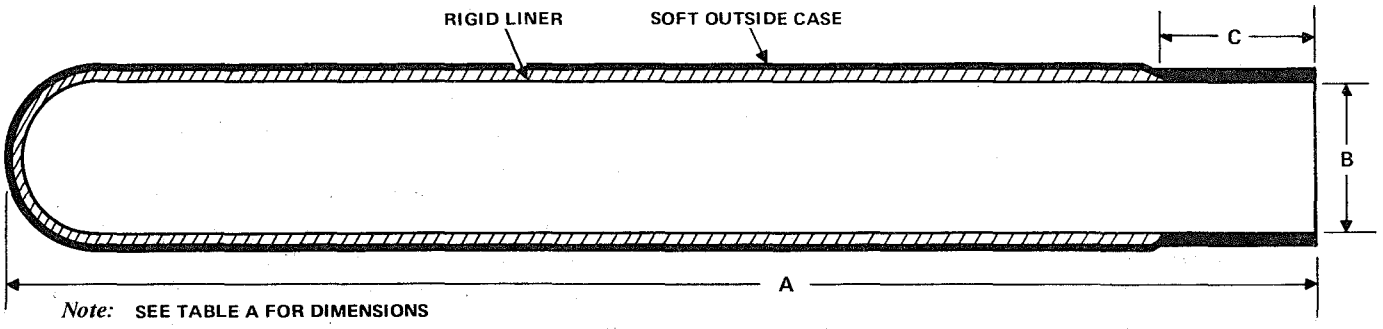
(b) Can be removed from and replaced on a completed splice in about 5 minutes

(c) Is watertight, except under flood conditions, when properly installed.

2. DESCRIPTION

2.01 The splice case (Fig. 1) has a rigid inner plastic liner which affords mechanical protection to the conductor joints. The soft outer plastic cover at the open end will readily conform to the tape wrapping over the cable when pulled down with the sealing clamp provided with the case.

2.02 Nine sizes are available, which will accommodate all sizes of splice bundles likely to be encountered on customer premises. The splice case number and dimensions of available sizes are listed in Table A.



Cross-Section of Hysol Butt Splice Case
Fig. 1

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TABLE A

DIMENSIONS OF HYSOL SPLICE CASES

SPLICE CASE	DIMENSIONS (INCHES)		
	A	B	C
BC 11017	17	1	2
BC 12017	17	2	2
BC 12024	24	2	2
BC 13024	24	3	2
BC 13030	30	3	2
BC 14030	30	4	4
BC 15030	30	5	4
BC 16030	30	6	4
BC 17030	30	7	4

3. BONDING AND GROUNDING

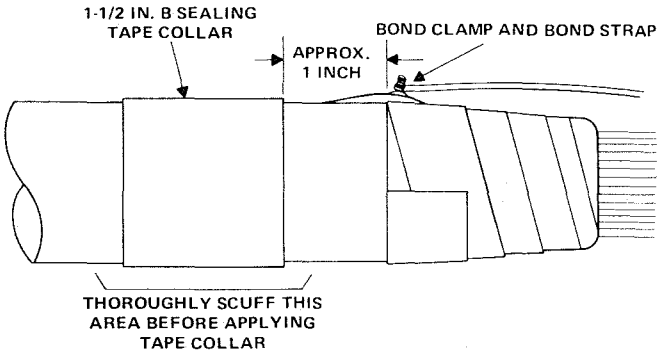
3.01 It is important that the shields of all cables entering the splice closure be bonded together electrically.

Note: Use approved bond clamps *only*.

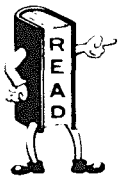
3.02 Refer to Section 631-400-102 for grounding requirements in buildings.

4. GROUPING CABLES

4.01 Thoroughly scuff the sheath, then place one turn of B Sealing Tape around each cable as shown in Fig. 2.



Tape Collar Applied to Single Cable
Fig. 2

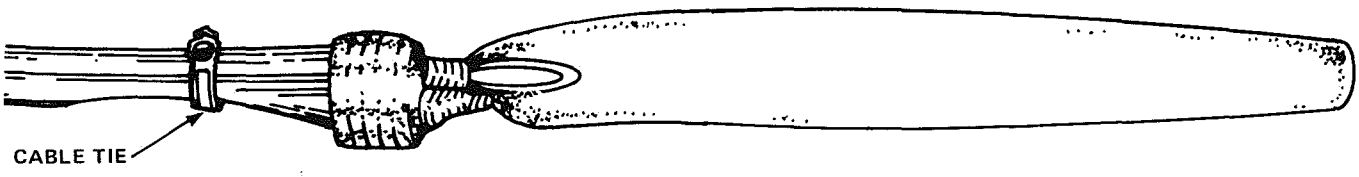


Note: Keep the B Sealing Tape and B Sealing Cord as clean as possible, and do not stretch. Do not handle with moist or oily hands.

4.02 Group the cables *into as nearly a circular form as possible*, placing B Sealing Cord in all cavities formed in the grouping.

4.03 In arrangements consisting of more than four cables, two layers of B Sealing Tape should be used around the center cable to completely fill all cavities formed in the grouping.

4.04 Make a tie about 5 inches from the sheath ends of the cables with a cable tie, then place two or more turns of B Sealing Tape around the cables. Completely enclose the B Sealing Tape with two half-lapped layers of vinyl tape taking particular care to cover the sealing tape at each end. This prevents the B Sealing Tape from adhering to the splice case or flowing when the sealing clamp is tightened. Fig. 3 shows two cables with bonding harness connected, and cable tie and B Sealing and Vinyl Tape collars in place.



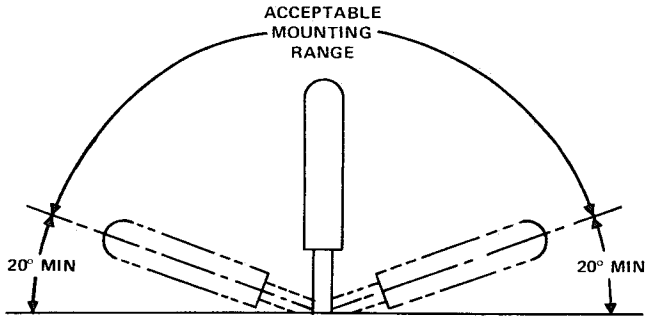
Two Cables with Bonding Wire and Tape Collar
Fig. 3

5. INSTALLING SPLICE CASE

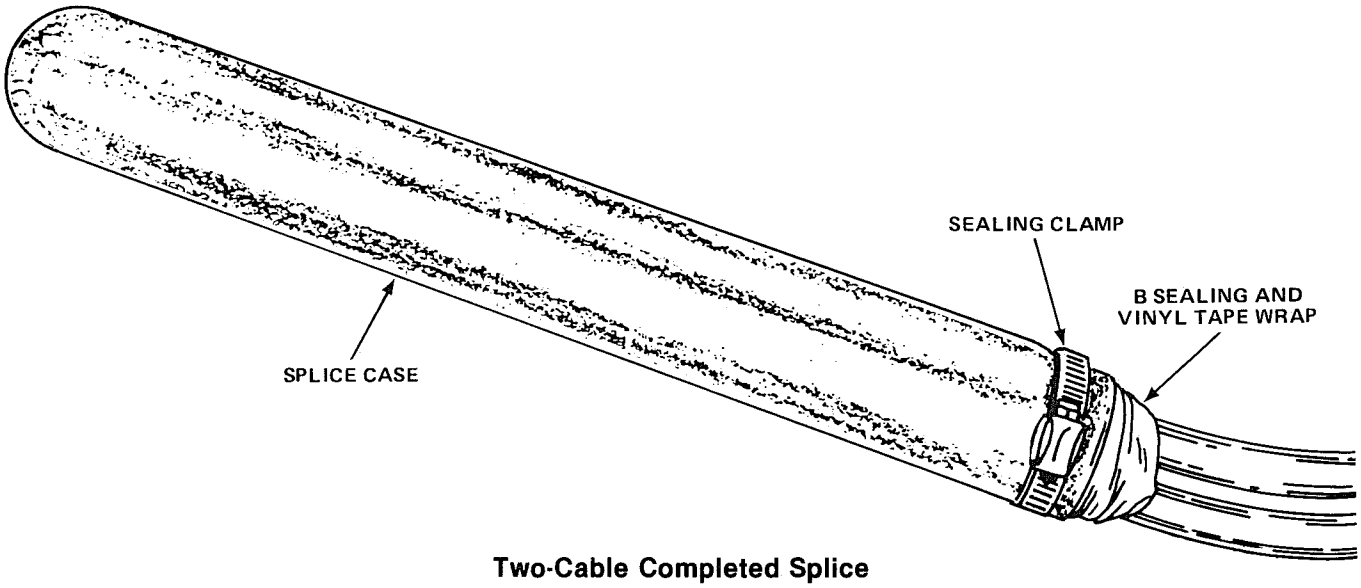
5.01 Select the proper size splice case in accordance with Table A. Insert the cable group into the splice case and tighten the sealing clamp.

5.02 Secure the splice case to a wall or other support with cable ties, tilting the splice case at least 20 degrees off horizontal to keep water from entering (Fig. 4).

5.03 Fig. 5 shows a Hysol Splice Case installed on a 2-cable splice.



Mounting Range of Hysol Splice Case
Fig. 4



Two-Cable Completed Splice
Fig. 5