

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G50.704.2
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AT&T Co Standard

**1B AND 2A SPLICE CASES,
TC, TD, TE, AND TF
CABLE TERMINALS**
DESCRIPTION OF CASES

Contents	Page
1. General	1
2. Description	2
3. List of Parts	4
4. 129A Adapter	5
5. Polyethylene Washers	6
6. Tools	6

1. GENERAL

1.01 This section describes the 1B and 2A Splice Cases and the TC, TD, TE, and TF Cable Terminals. These units are similar to the 1A Splice Case and the TA and TB Cable Terminals. They are used on straight or terminal splices on aerial cable. A change in the sheath clamp is included.

1.02 This section replaces Section G52.617.2.

1.03 The 1B Splice Case and the TE and TF Cable Terminals are used on cable up to and including 1.0 inch outside diameter and supersede the 1A Splice Case and the TA and TB Cable Terminals, respectively.

1.04 The 2A Splice Case and the TC and TD Cable Terminals are used on cable from 1.0 inch up to 1.6 inch outside diameter. Cables less than 1.0 inch outside diameter may also be handled with the addition of the 129A Adapter.

2. DESCRIPTION

2.01 As in the case of the 1A Splice Case and the TA and TB Terminals, the cases described in this section can be assembled in different combinations. These are shown in the following tables:

CABLES UP TO AND INCLUDING 1.0 INCH O.D.

Terminal Size	Main Parts Required for			
	Protected Terminal		Unprotected Terminal	
	TE 10	TE 16	TF 10	TF 16
10 Pair	1+1B [*] Splice Case	_____	1+1B [*] Splice Case	_____
16 Pair	_____	1+1B [*] Splice Case	_____	1+1B [*] Splice Case
20 Pair	2	_____	2	_____
26 Pair	1	1	1	1
32 Pair	_____	2	_____	2

* A 1A Splice Case may be used with Two 128A Adapters and Two P 18A727 Clamps

CABLES FROM 1.0 INCH ^{*} TO 1.6 INCH O.D.

Terminal Size	Main Parts Required for			
	Protected Terminal		Unprotected Terminal	
	TC 10	TC 16	TD 10	TD 16
10 Pair	1+2A [*] Splice Case	_____	1+2A [*] Splice Case	_____
16 Pair	_____	1+2A [*] Splice Case	_____	1+2A [*] Splice Case
20 Pair	2	_____	2	_____
26 Pair	1	1	1	1
32 Pair	_____	2	_____	2

* Cables less than 1.0 inch O.D can be handled with the addition of the 129A Adapter.

2.02 These units are individually packaged in a carton for transportation and indoor storage; the carton is not weatherproof and should not be exposed unduly to the weather. Each carton contains one-half of the small hardware needed for an installation.

2.03 The sealing compound which is formed into a gasket between the two halves of the terminal or splice case is a special mixture of non-hardening materials which adheres to metal surfaces and to polyethylene. When applied in the manner covered in the section of practices dealing with the installation, the gasket forms a gas-tight and water-tight seal which is little affected by exposure outdoors.

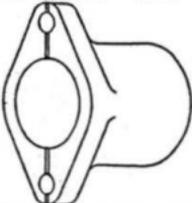
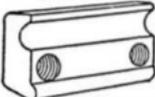
2.04 The sealing compound comes in two forms as sealing tape and sealing cord. They are wrapped in specially prepared paper and protected by cardboard containers. The sealing cord and tape should be kept dry and clean and should not be removed from the container until they are used.

2.05 **With the 1B Splice Case and the TE and TF Cable Terminals, half of the total quantity of sealing tape and sealing cord needed for installation, is packaged in each splice case or terminal carton. The B Sealing Kit is provided for maintenance purposes.** This kit is a package containing double the amount of sealing cord and sealing tape furnished with each splice case or terminal case carton.

2.06 **With the 2A Splice Case and the TC and TD Cable Terminals the sealing cord and sealing tape are furnished as separate items, not in the splice case or terminal case carton. For a single installation ONE package of B Sealing Cord consisting of two 26-1/2 in. lengths, and TWO packages of B Sealing Tape each consisting of three 10 in. lengths, are required. This combination is used on new installations and for maintenance purposes.**

3. LIST OF PARTS

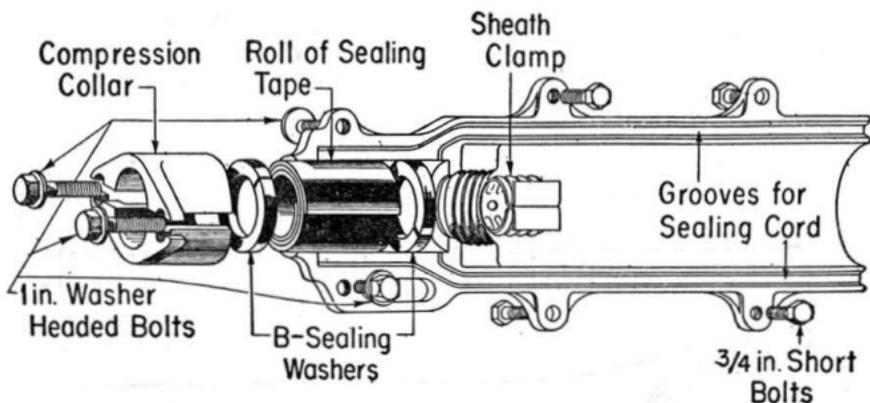
3.01 The hardware and small parts for these splice cases and terminals are listed in the following table. Half of the parts necessary for an installation come in each package.

PART	*	USED FOR
Inner Sheath Clamp 	P18A727 Clamp or P46A911 Clamp	Slides under metal sheath tabs for clamping 1B-P18A727 up to 1in. O.D. 2A-P46A911 from 1in. to 1.6 O.D.
Compression Collar 	P13A190 Collar (2 required) or P13A258 Collar (2 required)	Two piece collar which compresses sealing tape between polyethylene washers to form end seal around cable. 1B-P13A190 up to 1 in. O.D. 2A-P13A258 from 1in. to 1.6 O.D.
Strand Lug 	P13A189 Lug	Supports case from strand (2 required)
1/8 in. Pipe Plug. 	P13A314 Plug	Pressure testing fitting
Short Bolt 1/4 in. - 20 in x 3/4 in. Cap Screw 	RM630155 Cap Screw	8 bolts compress cases together
Washer Headed Bolt 1/4 in. - 20 x 1 in. Cap Screw 	P13A247 Cap Screw	8 required for ends of cases and compression collars 4 required for strand clamps

* This information should be used when ordering parts.

3.02 Previously the P18A727 Clamp and the P46A911 Clamp shown above had short projections that did not extend above sheath tabs.

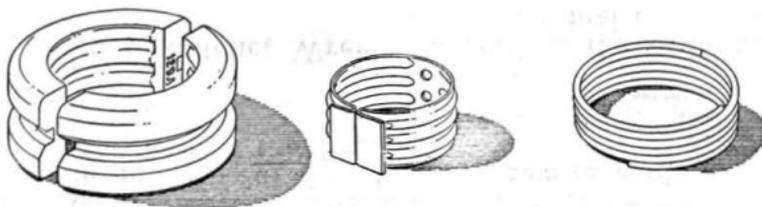
3.03 The following is an exploded view of one end of the 2A Splice Case, showing the various parts used in the installation. The assembly used in the 1B Splice Case is similar.



4. 129A ADAPTER

4.01 Cables of less than 1.0 inch O.D. are accommodated in the 2A Splice Case and the TC and TD Cable Terminals with the addition of the **129A Adapter**. This adapter, consisting of two identical castings, a P18A727 Clamp, and a piece of lashing wire is illustrated below.

129A ADAPTER



4.02 The standard listing for the adapter including the clamp and lashing wire is given below and should be used for ordering purposes.

Adapter, 129A

5. POLYETHYLENE WASHERS

5.01 Polyethylene washers used in the end seals are available in different sizes for each size of cable as covered in another section of the Practices.

6. TOOLS

6.01 The B Ratchet Wrench is used in the installation or removal of the splice cases or terminal cases. As illustrated below, the ratchet movement is arranged so that the wrench tightens a bolt when the side stamped $7/16$ faces outwards. A cord or leather thong may be fastened in the hole in the handle so that it will not slip through the workman's hands.

B RATCHET WRENCH

