

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G50.622.3
Issue 1, January, 1948
AT&T Co Standard

CABLE SPLICING—GENERAL
LEAD SLEEVES—BRIDGE SPLICES—
EXCHANGE CABLE—MAIN CABLE NOT CUT

Contents	Page
1. General	1
2. Tables	2

1. GENERAL

1.01 This section contains the tables of lead sleeve sizes for bridge splices in exchange type cables where the main cable is not cut, and where the wire work is being done with desiccant. If paraffin is used, the sleeve diameter should be decreased one size for those sleeve sizes designated with an asterisk. Sleeve sizes not designated with an asterisk are satisfactory for either desiccant or paraffin.

1.02 The specified sizes are those that should be left in place by the Cable Placing Forces, through which the cable should be pulled to avoid the use of split sleeves.

2. TABLES

2.01 19-Gauge main cable

LEAD SLEEVE SIZES FOR BRIDGE SPLICES
19 GAUGE MAIN CABLE NOT CUT

SIZE OF MAIN CABLE IN PAIRS	SIZE OF BRIDGE CABLE IN PAIRS									
	11 or 16		26		51		76		101	
	D	L	D	L	D	L	D	L	D	L
26	1½	15	1¾	17*						
51	1¾	17*	2	17*	2¼	17*				
76	1¾	17	2	17*	2¼	17*				
101	2	17	2¼	17*	2½	20*				
152	2½	20*	2½	20*	2¾	20*	3	20*		
202	2½	20	2¾	20*	3	20*	3	20*	3½	20*
303	3	20	3	20	3½	20*	3½	20	4	20*
404	3½	20	3½	20	4	20	4½	22*	4½	22*
455	3½	20	3½	20	4	20	4½	22*	4½	22
	SIZE OF BRIDGE CABLE IN PAIRS									
	152		202							
303	4½	22*								
404	5	22*	5	22*						
455	5	22*	5½	22*						

D=Diameter (inches)

L=Length (inches)

* = If paraffin is used decrease the sleeve to the next smaller diameter

2.02 22-Gauge main cable

LEAD SLEEVE SIZES FOR BRIDGE SPLICES 22 GAUGE MAIN CABLE NOT CUT

SIZE OF MAIN CABLE IN PAIRS	SIZE OF BRIDGE CABLE IN PAIRS										
	11 or 16		26		51		76		101		
	D	L	D	L	D	L	D	L	D	L	
26	1½	15*	1½	15							
51	1½	15	1½	15	1¾	17					
76	1¾	17*	1¾	17*	2	17*	2	17			
101	1¾	17	1¾	17	2	17	2¼	17*	2¼	17	
152	2	17*	2	17	2¼	17	2½	20*	2½	20	
202	2¼	17*	2½	20*	2¾	20*	2¾	20*	2¾	20	
303	2½	20*	2½	20	2¾	20	2¾	20	3	20	
404	2¾	20*	2¾	20	3	20*	3	20	3½	20	
455	2¾	20	3	20*	3	20*	3½	20*	3½	20	
606	3	20	3	20	3½	20*	3½	20	4	20*	
909	3½	20	3½	20	4	20*	4	20	4	20	
	SIZE OF BRIDGE CABLE IN PAIRS										
	152		202		303						
202	3	20*									
303	3½	20*									
404	3½	20	4	20*							
455	4	20*	4½	22*							
606	4½	22*	4½	22*	4½	22					
909	4½	22	5	22*	5	22					

D = Diameter (inches)

L = Length (inches)

* = If paraffin is used decrease the sleeve to the next smaller diameter

2.03 24-Gauge main cable

LEAD SLEEVE SIZES FOR BRIDGE SPLICES
24 GAUGE MAIN CABLE NOT CUT

SIZE OF MAIN CABLE IN PAIRS	SIZE OF BRIDGE CABLE IN PAIRS									
	11 or 16		26		51		76		101	
	D	L	D	L	D	L	D	L	D	L
26	1¼	15	1½	15*						
51	1½	15*	1½	15	1¾	17*				
76	1½	15	1¾	17*	1¾	17	2	17*		
101	1½	15	1¾	17	2	17*	2	17	2¼	17*
152	1¾	17	1¾	17	2	17	2¼	17*	2½	20*
202	2	17	2	17	2¼	17	2½	20*	2¾	20*
303	2¼	17	2¼	17	2½	20	2¾	20*	2¾	20*
404	2½	20	2½	20	3	20*	3	20*	3	20
606	2¾	20	2¾	20	3	20	3½	20*	3½	20
909	3½	20	3½	20	3½	20	4	20*	4	20
1212							4	20	4½	22
	SIZE OF BRIDGE CABLE IN PAIRS									
	152		202		303					
152	2½	20								
202	2¾	20*	3	20*						
303	3	20*	3½	20*	3½	20				
404	3½	20*	4	20*	4	20*				
606	4	20*	4	20	4½	22*				
909	4½	22*	4½	22*	4½	22				
1212	4½	22*	4½	22	5	22				
1515					5½	22*				

D = Diameter (inches)

L = Length (inches)

* = If paraffin is used decrease the sleeve to the next smaller diameter

2.04 26- or 28-Gauge main cable

LEAD SLEEVE SIZES FOR BRIDGE SPLICES
26 OR 28 GAUGE MAIN CABLE NOT CUT

SIZE OF MAIN CABLE IN PAIRS	SIZE OF BRIDGE CABLE IN PAIRS									
	11 or 16		26		51		76		101	
	D	L	D	L	D	L	D	L	D	L
26	1	15	1¼	15						
51	1¼	15	1½	15*	1½	15*				
76	1½	15*	1½	15*	1½	15	1¾	17*		
101	1½	15*	1½	15*	1¾	17*	1¾	17*	2	17*
152	1¾	17*	1¾	17*	2	17*	2	17*	2	17
202	1¾	17	1¾	17	2	17	2¼	17*	2½	20*
303	2	17	2	17	2¼	17	2½	20*	2½	20
404	2¼	17	2¼	17	2½	20*	2½	20	2¾	20*
606	2½	20	2½	20	2¾	20	3	20	3½	20*
909	2¾	20	2¾	20	3	20	3½	20*	3½	20
1212							3½	20*	4	20*
	SIZE OF BRIDGE CABLE IN PAIRS									
	152		202		303					
152	2¼	17*								
202	2½	20*	2¾	20*						
303	2¾	20*	2¾	20	3	20*				
404	3	20*	3	20	3½	20				
606	3½	20	3½	20	4	20*				
909	4	20*	4	20	4½	22*				
1212	4	20	4½	22*	4½	22				
1515			4½	22	5	22				
1818			4½	22	5	22*				
2121					5½	22*				

D = Diameter (inches)

L = Length (inches)

* = If paraffin is used decrease the sleeve to the next smaller diameter