

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G50.699.3
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AT&T Co Standard

CABLE SPLICING — GENERAL

USE OF B PLASTIC SLEEVES

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1. GENERAL

1.01 This section covers the B Plastic Sleeves which are used to insulate twisted joints in polyethylene insulated conductor cables of various gauges.

2. STANDARD SIZES

2.01 The available sizes, color marking and approximate quantity per carton are listed below.

Sleeve Size	Color Marking	Number per Carton
085	None	950
106	Black Stripe	750
133	Red "	450
166	Yellow "	300
208	Green "	225

2.02 The color markings are provided for easy recognition of the various sizes of sleeves.

3. USES

3.01 The recommended sleeve sizes for the various joints are based on catching the insulation in the pigtail. The bare wire pigtail or exposed wire ends are centered in the sleeve to ensure high dielectric strength between conductors at splices.

3.02 Straight and Bridge: The following table lists the recommended sleeve sizes for insulating straight and bridge joints in polyethylene insulated cables.

Straight Joints (2 wires)		Bridge Joints (3 wires)			
Gauges	Sleeve Size	Gauges	Sleeve Size	Gauges	Sleeve Size
19-19	208	19-19-19	208	22-22-22	133
19-22	166	19-19-22	208	22-22-24	133
19-24	133	19-19-24	208	22-22-26	133
19-26	133	19-19-26	208	22-24-26	106
22-22	133	19-22-22	166	24-24-24	106
22-24	106	19-22-24	166	24-24-26	106
22-26	106	19-22-26	166	22-26-26	106
24-24	106	19-24-24	166	24-24-24	106
24-26	085	19-24-26	133	24-24-26	106
26-26	085	19-26-26	133	24-26-26	085
				26-26-26	085

3.03 Butt Joints: The following table shows the sleeve sizes for two-wire and three-wire butt joints.

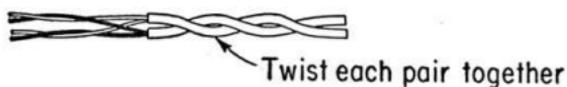
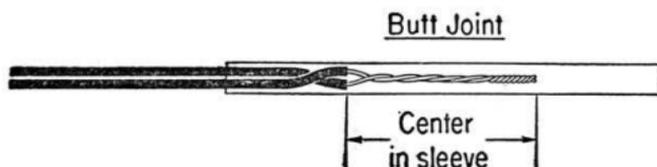
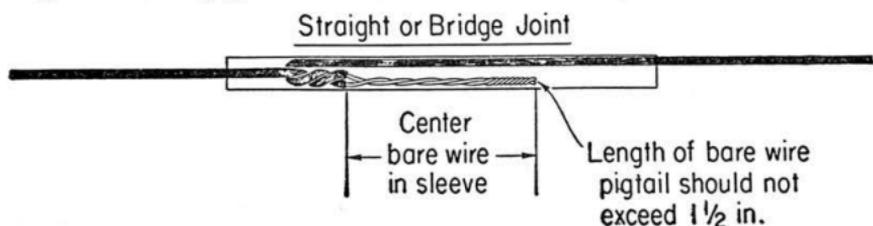
Butt Joints (2 wires)		Butt Joints (3 wires)			
Gauges	Sleeve Size	Gauges	Sleeve Size	Gauges	Sleeve Size
		19-19-19	166	22-22-24	106
19-19	133	19-19-22	133	22-22-26	106
19-22	133	19-19-24	133	22-24-24	085
19-24	106	19-19-26	133	22-24-26	085
19-26	106	19-22-22	106	22-26-26	085
22-22	085	19-22-24	106	24-24-24	085
22-24	085	19-22-26	106	24-24-26	085
22-26	085	19-24-24	106	24-26-26	085
24-24	085	19-24-26	106	26-26-26	085
24-26	085	19-26-26	106		
26-26	085	22-22-22	106		

3.04 **Dead Pairs:** The following table shows the sizes used for sleeving dead pairs:

Dead Pairs (1 pair per sleeve)	
<u>Gauges</u>	<u>Sleeve Size</u>
19 (CA-1727)	166
19 (CA-1814)	133
22	105
24	085
26	085

4. MAKING AND SLEEVING THE JOINTS

4.01 The following sketches show the method of making and sleeving straight, bridge, and butt pigtail joints in order to maintain a high dielectric strength between conductors. The length of the pigtail should not exceed 1-1/2 inch.



4.02 The following sketch shows the method of sleeving dead pairs.

