BELL SYSTEM PRACTICES
Outside Plant Construction and Maintenance

SECTION G50.602.1
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CABLE SPLICING—GENERAL
LAYER TYPE 13 AND 16-GAUGE CABLE

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1. GENERAL

1.01 This section describes coarse gauge cables with strip paper insulated pairs arranged in concentric layers.

2. 13-GAUGE

2.01 In the 13-gauge layer type cables the color code is arranged to distinguish adjacent pairs from each other. The pairs have different lengths of twist, identified by the color of the insulating paper in accordance with the following table.

Pair Type	Insulation Color	
	1st Conductor	2nd Conductor
1	White	Blue
2	White	Green
3	White	Red
Tracer	White	Orange

2.02 The pairs are arranged in concentric layers that are generally stranded with opposite directions of spiral.

2.03 Layers that contain an even number of pairs are assembled with Type 1 and Type 2 pairs arranged alternately. If a layer contains an odd number of pairs, the odd pair is a Type 3 pair, and the other pairs are Type 1 and Type 2.

2.04 Two tracer pairs are included and are substituted for two of the Type 1 pairs. One tracer pair is located near the center of the core, and the other is in the outer layer.

3. 16-GAUGE

3.01 In the 16-gauge layer type cables the color code is arranged to distinguish adjacent pairs from each other. The pairs have different lengths of twist, identified by the color of the insulating paper in accordance with the following table.

Pair Type	Insulation Color	
	1st Conductor	2nd Conductor
1	Orange	Blue
2	Orange	Green
3	Orange	Red
Tracer	White	Orange

3.02 The pairs are arranged in concentric layers that are generally stranded in opposite spiral directions.

3.03 Layers that contain an even number of pairs are assembled with Type 1 and Type 2 pairs arranged alternately. If a layer contains an odd number of pairs, the odd pair is a Type 3 pair, and the other pairs are Type 1 and Type 2.

3.04 Two tracer pairs are included and are substituted for two of the Type 1 pairs. One tracer pair is located near the center of the core, and the other is in the outer layer.