

CABLE SPLICING - GENERAL
SPLICING DEFECTIVE CONDUCTORS

NOTES CONCERNING THIS ADDENDUM

This addendum supplements Section G50. 640. 1 with additional instructions concerning the disposition of defective pairs in connection with splicing operations. It also provides information relative to the number of defective pairs that are permissible in various sizes and gauges of paper or pulp non-quadded cable as shipped from the factory.

The cross-reference "See Addendum" should be written in the main section to indicate the following:

- Paragraph 4.01 - Replaced
- Paragraph 4.02 - Added
- Paragraph 4.03 - Added
- Part 5 - Added

4. DEFECTIVE PAIRS IN BRANCH CABLES

- 4.01 Short, crossed, grounded and split pairs in a branch or stub cable shall not be spliced to good pairs in a main cable.
- 4.02 When short, crossed, grounded and split pairs cannot be cleared or spliced to corresponding defective pairs in the main cable, they should be tagged, left open with the ends cleared in the branch splice and be recorded in test center records.
- 4.03 When open or transposed pairs in stub or branch cables cannot be cleared or spliced to corresponding defective pairs in the main cable they may be spliced to good pairs in the main cable provided they are recorded in test center records to aid in clearing at a later date.

5. ALLOWABLE NUMBER OF DEFECTIVE PAIRS

5.01 The following table gives the maximum number of defective pairs that are permissible in paper or pulp non-quadded cable as shipped from the factory:

**ALLOWABLE DEFECTIVE PAIRS
IN PAPER OR PULP NON-QUADED CABLE
AS SHIPPED FROM FACTORY**

Pairs	Gauge				
	26	24	22	19	16
11	1	1	1	1	0
16	1	1	1	1	0
26	1	1	1	1	0
51	1	1	1	1	0
76	1	1	1	1	0
101	1	1	1	1	0
152	2	2	2	2	0
202	2	2	2	2	0
303	3	3	3	2	
404	4	4	3	2	
455	-	-	3	2	
606	5	4	4		
909	6	6	4		
1212	8	8			
1515	10	10			
1818	12				
2121	14				

Note: Defective pairs include those pairs containing grounds, opens, shorts or crosses. Where such defects do not exceed the allowable defective pairs, as shown in the table above, the cable is not considered as being defective from the manufacturing point of view.

5.02 In order that the individual pair color code can be used to best advantage in the field, no defective pairs are permitted in coded Polyethylene Insulated Conductor Cables of Western Electric manufacture as shipped from the factory.

5.03 When the number of defective pairs in any one length of cable exceeds the amount shown in Paragraph 5.01 or 5.02, report the condition to your supervisor immediately. The report should contain sufficient information to permit entering a claim.

5.04 All defective pairs not cleared should be listed on Form PF650, Cable Test-Physical Trouble, stating nature, disposition and location of trouble and this form forwarded to the Test Center for posting of information to the cable records.