

TIC DIGITAL LINE
TRANSMISSION AND OUTSIDE PLANT DESIGN PROCEDURES
CARRIER ENGINEERING

1. GENERAL

1.001 This addendum supplements Section 855-351-110, Issue 2. Place this pink sheet ahead of Page 1 of the section.

1.002 This addendum is issued for the following reasons:

- (a) To replace Table L.
- (b) To correct paragraph 3.04.

This addendum does not affect the Equipment Test List.

2. CHANGES TO SECTION

2.001 On Page 45/46 replace Table L with the corrected Table L in this addendum.

2.002 On page 12, paragraph 3.03, on line 7 add the following:

The double letter coded standard power repeaters provide low power technology but with standard power voltage drops. The 248 and 249 double letter coded repeaters provide for dual fault-locating wiring requirements.

2.003 On Page 12, paragraph 3.04, line 5, add this sentence:

The double letter coded standard and all low power repeaters operate between 9 and 54 dB loss range.

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

TABLE L
T1C REPEATER SPACING

			INTERMEDIATE SECTION				END SECTION (NOTE 1)			
			MAX (NOTE 3)		MIN		MAX (NOTE 3)		MIN (NOTE 3)	
TYPE CABLE	CODE	GA	UNDER-GROUND FT	AERIAL FT	UNDER-GROUND FT	AERIAL FT	UNDER-GROUND FT	AERIAL FT	UNDER-GROUND FT	AERIAL FT
Cu Pulp	ADB	19	7,970	7,850	1,330	1,570	5,360	5,290	1,020	1,200
	ADA	22	6,100	5,950	*2,050	*2,410	4,100	4,010	800	890
	ADM	24	4,970	4,870	1,020	1,170	3,350	3,280	700	770
Cu PIC (air core)	BHB	19	9,880	9,500	*1,560	*1,790	6,670	6,420	1,190	1,270
	BHA	22	7,190	6,910	840	960	4,900	4,700	850	900
	BKM	24	5,720	5,500	*1,280	*1,470	3,900	3,750	720	750
Cu PIC (filled)	AJB	19	12,280	11,940	1,580	1,680	8,240	8,020	1,370	1,430
	AJA	22	8,700	8,390	*2,480	*2,650	5,900	5,690	930	980
	AJM	24	6,930	6,650	1,120	1,200	4,720	4,530	770	810
Cu DEPIC	ALB	19	10,830	10,450	*1,760	*1,880	7,290	7,040	1,210	1,280
	ALA	22	7,720	7,430	910	970	5,250	5,060	840	880
	ALM	24	6,220	5,980	*1,420	*1,520	4,240	4,070	710	740
Al DEPIC	ALC	17	10,740	10,290	1,600	1,690	7,230	6,940	1,220	1,310
	ALD	20	7,700	7,400	*2,520	*2,660	5,240	5,040	840	890
	AHDU	20	7,190	6,710	1,110	1,170	4,900	4,700	850	900
Al PIC (air core) MAT	MCR	25	6,340	6,090	*1,740	*1,850	4,320	4,150	800	850
	MCM	24	9,300	8,910	1,840	1,970	6,290	6,030	1,000	1,050
ICOT (air core)	MLM	24	8,760	8,440	*1,650	*1,770	5,930	5,720	950	1,000
ICOT (filled)					*2,210	*2,370				
			SHORT CODE (NOTE 4)		LONG CODE (NOTE 5)		SHORT CODE (NOTE 4)		LONG CODE (NOTE 5)	
Cu Pulp	ADB	19	5,670	5,580	4,450	5,210	3,910	3,860	1,930	2,260
	ADA	22	4,320	4,220	3,380	3,860	2,990	2,920	1,490	1,680
	ADM	24	3,520	3,460	2,760	3,170	2,440	2,390	1,260	1,420

Note 1: Includes office cabling (22-gauge copper PIC, 600-type or ABAM, ≤200 feet).

Note 2: For back-to-back operation (ORB to ORB) the distance is 0 feet.

Note 3: If the line is to be used initially for T1, the maximum section lengths cannot exceed those specified in Section 855-351-101.

Note 4: If this section length is exceeded, the long code repeater must be used.

Note 5: If the section length is less than this, the short code repeater must be used.

* Minimum spacing for low power repeaters.