

POLE LINES INSPECTION 74 L-J

7400 Pound Fibre Strength Light Storm Loading Area Joint Use Poles

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1. MINIMUM CIRCUMFERENCES

1.01 The dimensions shown in each inspection table are the minimum circumferences of sound wood at the ground line, failing to meet which a pole should normally be considered inadequate.

1.02 Each table is set up to indicate the minimum circumferences in inches for each combination of wire load, pole length and span length. In referring to the tables the wire load should be taken as that existing at the time of the inspection, together with any expected increase in load before the next inspection.

1.03 The circumferences as measured by the inspector do not allow for hollow heart or pockets in the pole. Where such defects exist, suitable deductions should be made as indicated in Section G21.315, in order to determine the ground line measurement for purposes of comparison with the minimum circumferences in the tables.

1.04 In determining which poles require attention the inspector should compare the corrected circumference measurements, paragraph 1.03, with the appropriate minimum circumferences from the tables, making due allowance for probable decay before the next inspection.

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2. WIRE LOAD REFERENCE

2.01 TELEPHONE WIRE BASE. The "Equivalent Wire Load" should be computed in terms of effective 104 telephone wires, and reference made to the table by means of the LEFT HAND COLUMN.

2.02 POWER WIRE BASE. The "Equivalent Wire Load" should be computed in terms of No. 4 covered power wires, and reference made to the table by means of the RIGHT HAND COLUMN.

POLE LINE INSPECTION TABLE 74 L-J

**7400 Pound Fibre Strength
Light Storm Loading Area**

**Class J Line—Joint Use with Supply Circuits—
Open Wire or Cable**

Equivalent Wire Load Telephone Wires	L'gth of Pole in Feet	Minimum Ground Line Circumferences in Inches								L'gth of Pole in Feet	Equivalent Wire Load Power Wires
		Length of Span in Feet									
		100	110	130	150	175	200	250	300		
1-10	16	9	9	9	9	9½	9½	10½	11	16	1-3
	20	9½	9½	10	10½	10½	11	12	12½	20	
	25	10½	10½	11	11½	12	12	13	13½	25	
	30	11½	12	12	12½	13	13	14	15	30	
	35	12½	13	13½	13½	14	14½	15	16	35	
	40	14	14	14½	15	15	15½	16½	17	40	
	45	15	15½	15½	16	16½	17	17½	18½	45	
	50	16½	16½	17	17	17½	18	18½	19½	50	
	60	18½	18½	19	19	19½	20	21	21½	60	
	70	20½	20½	21	21½	21½	22	22½	23½	70	
11-15	16	9	9	9½	10	10½	10½	11½	12½	16	4-5
	20	10	10½	11	11½	12	12	13	14	20	
	25	11½	11½	12	12½	13	13½	14½	15	25	
	30	12½	12½	13	13½	14	14½	15½	16½	30	
	35	13½	14	14½	15	15½	16	16½	17½	35	
	40	15	15	15½	16	16½	17	18	19	40	
	45	16	16½	16½	17	17½	18	19	20	45	
	50	17	17½	18	18½	19	19	20½	21½	50	
	60	19	19½	20	20½	21	21½	22½	23	60	
	70	21	21½	22	22½	23	23½	24	25	70	
		100	110	130	150	175	200	250	300		

INSPECTION TABLE 74 L-J—(Continued)

Equivalent Wire Load Telephone Wires	L'gth of Pole in Feet	Minimum Ground Line Circumferences in Inches								L'gth of Pole in Feet	Equivalent Wire Load Power Wires
		Length of Span in Feet									
		100	110	130	150	175	200	250	300		
16-20	16	9½	9½	10	10½	11	11½	12½	13	16	6
	20	11	11	11½	12	12½	13	14	15	20	
	25	12	12½	13	13½	14	14½	15½	16½	25	
	30	13	13½	14	14½	15	15½	16½	17½	30	
	35	14½	14½	15½	16	16½	17	18	19	35	
	40	15½	16	16½	17	17½	18	19	20½	40	
	45	16½	17	17½	18	18½	19½	20½	21½	45	
	50	18	18	18½	19½	20	20½	21½	22½	50	
	60	20	20½	21	21½	22	22½	23½	24½	60	
	70	22	22	22½	23½	24	24½	25½	27	70	
21-25	16	10	10	10½	11	11½	12	13	14	16	7
	20	11½	11½	12	12½	13½	14	15	16	20	
	25	12½	13	13½	14	14½	15	16½	17½	25	
	30	14	14	15	15½	16	16½	17½	19	30	
	35	15	15½	16	16½	17	18	19	20½	35	
	40	16½	16½	17	18	18½	19	20½	21½	40	
	45	17½	18	18½	19	19½	20½	21½	22½	45	
	50	18½	19	19½	20	21	21½	23	24	50	
	60	20½	21	21½	22½	23	23½	25	26	60	
	70	22½	23	23½	24	25	25½	26½	28	70	
26-30	16	10½	10½	11	11½	12	12½	13½	14½	16	8-3
	20	12	12	12½	13½	14	14½	15½	16½	20	
	25	13	13½	14	14½	15½	16	17	18	25	
	30	14½	15	15½	16	16½	17½	18½	20	30	
	35	15½	16	16½	17½	18	18½	20	21½	35	
	40	17	17	18	18½	19½	20	21½	22½	40	
	45	18	18½	19	20	20½	21	22½	24	45	
	50	19	19½	20½	21	22	22½	24	25	50	
	60	21½	21½	22½	23	24	24½	26	27½	60	
	70	23	23½	24½	25	26	26½	28	29½	70	
		100	110	130	150	175	200	250	300		

INSPECTION TABLE 74 L-J—(Continued)

Equivalent Wire Load Telephone Wires	L'gth of Pole in Feet	Minimum Ground Line Circumferences in Inches								L'gth of Pole in Feet	Equivalent Wire Load Power Wires
		Length of Span in Feet									
		100	110	130	150	175	200	250	300		
31-40	20	12½	13	13½	14	15	15½	16½	17½	20	10-11
	25	14	14½	15	15½	16½	17	18	19½	25	
	30	15½	16	16½	17	18	18½	20	21½	30	
	35	16½	17	18	18½	19½	20	21½	23	35	
	40	18	18½	19	20	20½	21½	23	24½	40	
	45	19	19½	20½	21	22	22½	24	26	45	
	50	20½	20½	21½	22½	23	24	25½	27	50	
	60	22½	23	23½	24½	25½	26	27½	29½	60	
70	24½	25	25½	26½	27½	28	30	31½	70		
41-50	20	13	13½	14	14½	15½	16	17	18½	20	12-14
	25	14½	15	15½	16½	17	18	19	20½	25	
	30	16	16½	17	18	19	19½	21	22½	30	
	35	17½	18	18½	19½	20½	21	22½	24	35	
	40	19	19½	20	21	22	22½	24½	26	40	
	45	20	20½	21½	22	23	24	25½	27½	45	
	50	21½	21½	22½	23½	24½	25½	27	29	50	
	60	23½	24	24½	25½	26½	27½	29½	31½	60	
70	25½	26	26½	27½	28½	29½	31½	33	70		
51-60	25	15	15½	16½	17	18	18½	20	21½	25	15-17
	30	16½	17	18	18½	19½	20½	22	23½	30	
	35	18	18½	19½	20½	21	22	23½	25½	35	
	40	19½	20	21	22	23	23½	25½	27	40	
	45	21	21½	22	23	24	25	26½	28½	45	
	50	22	22½	23½	24½	25½	26½	28½	30	50	
	60	24	25	26	26½	27½	29	30½	32½	60	
	70	26	26½	28	29	30	31	33	35	70	
		100	110	130	150	175	200	250	300		

INSPECTION TABLE 74 L-J—(Continued)

Equivalent Wire Load Telephone Wires	L'gth of Pole in Feet	Minimum Ground Line Circumferences in Inches								L'gth of Pole in Feet	Equivalent Wire Load Power Wires
		Length of Span in Feet									
		100	110	130	150	175	200	250	300		
61-70	25	15½	16	16½	17½	18½	19	20½	21½	25	18-20
	30	17	17½	18½	19½	20	21	22½	24	30	
	35	18½	19	20	21	22	23	24½	26	35	
	40	20	20½	21½	22½	23½	24½	26½	28	40	
	45	21½	22	23	24	25	26	28	29½	45	
	50	22½	23½	24½	25½	26½	27½	29½	31	50	
	60	25	25½	26½	27½	29	30	32	33½	60	
	70	27	27½	28½	30	31	32	34	36	70	
71-80	25	15½	16	17	17½	18½	19½	20½	22	25	21-22
	30	17½	18	19	20	20½	21½	23	24½	30	
	35	19	19½	20½	21½	22½	23½	25	26½	35	
	40	20½	21½	22½	23	24	25½	27	28½	40	
	45	22	22½	23½	24½	26	27	28½	30½	45	
	50	23½	24	25	26	27	28	30	32	50	
	60	25½	26	27½	28½	29½	31	33	34½	60	
	70	28	28½	29½	30½	32	33	35	37	70	
81-90	25	16	16½	17	18	18½	19½	21	22	25	23-25
	30	18	18½	19	20	21	22	23½	25	30	
	35	19½	20	21	22	23	24	25½	27	35	
	40	21	21½	23	24	25	26	27½	29½	40	
	45	22½	23	24	25½	26½	27½	29½	31	45	
	50	24	24½	25½	26½	28	29	31	33	50	
	60	26	27	28	29	30½	31½	34	36	60	
	70	28½	29	30½	31½	33	34	36	38	70	
		100	110	130	150	175	200	250	300		