

SUSPENSION STRAND

SELECTION—HEAVY LOADING AREA

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1. GENERAL

1.01 This section lists, for the heavy loading area, the maximum allowable span lengths of various types and weights of lashed cable on each size of suspension strand.

2. LEAD SHEATH CABLES—COPPER CONDUCTORS

2.01 The following table summarizes the maximum span lengths on which lead sheath, copper conductor cables can be supported in heavy loading areas.

Cable Weight (Pounds/Foot)	Maximum Span Length (Feet)			
	Size of Suspension Strand (Pounds) 6,000	10,000	16,000	25,000
.2	435	650	750	950
.3	400	630	705	885
.4	360	600	675	850
.5	325	575	645	825
.6	300	550	625	795
.7	275	525	600	770
.8	260	500	580	750
.9	240	490	565	725
1.0	225	475	550	710
1.2	200	465	520	675
1.4	180	445	500	645
1.6	165	410	485	605
1.8	150	375	470	560
2.0	140	350	455	530
2.2	130	325	445	495
2.4	125	305	435	470
2.6	115	290	425	445
2.8	110	270	415	425
3.0	105	260	400	400
3.5	-	230	355	360
4.0	-	210	325	330
4.5	-	190	290	300
5.0	-	170	270	275
5.5	-	160	250	255
6.0	-	150	230	235
6.5	-	140	220	220
7.0	-	130	205	210
7.5	-	125	190	195
8.0	-	120	180	190
8.5	-	110	170	180

3. ALPETH AND STALPETH SHEATH CABLES— COPPER CONDUCTORS

3.01 The following table summarizes the maximum span lengths on which alpeth or stalpeth sheath, copper conductor cables can be supported in heavy loading areas.

<u>Cable Weight</u> <u>(Pounds/Foot)</u>	<u>Maximum Span Length (Feet)</u>			
	<u>Size of Suspension Strand (Pounds)</u>			
	<u>6,000</u>	<u>10,000</u>	<u>16,000</u>	<u>25,000</u>
.2	370	650	750	950
.3	290	630	705	885
.4	260	600	675	850
.5	240	575	645	825
.6	225	550	625	795
.7	210	515	600	770
.8	195	480	580	730
.9	185	455	565	690
1.0	170	430	550	660
1.2	155	390	520	600
1.4	140	360	500	550
1.6	130	335	485	510
1.8	120	310	470	480
2.0	115	290	455	450
2.2	110	275	430	430
2.4	105	260	410	405
2.6	100	250	390	390
2.8	-	235	370	370
3.0	-	225	350	355
3.5	-	200	320	325
4.0	-	185	290	295
4.5	-	170	270	275
5.0	-	160	250	255

4. ALPETH AND STALPETH SHEATH CABLES— ALUMINUM CONDUCTORS

4.01 The following table summarizes the maximum span lengths on which alpeth or stalpeth sheath, aluminum conductor cables can be supported in heavy loading areas.

<u>Cable Weight</u> <u>(Pounds/Foot)</u>	<u>Maximum Span Length (Feet)</u> <u>Size of Suspension Strand (Pounds)</u>	
	<u>6,000</u>	<u>10, 000</u>
.1	450	600
.2	360	570
.3	305	540
.4	275	520
.5	250	500
.6	225	485
.7	210	475
.8	195	465
.9	185	455
1.0	175	445
1.2	155	410
1.4	140	375
1.6	130	345
1.8	120	325
2.0	115	305
2.2	110	285
2.4	105	270