

Methods Of Stranding

Diameter in Inches	Approx. Weight lb/mft	Size		Number of Strands (Concentric)						Size		Size of Indiv. Strand		
				7	19	37	49	61	91			No. 30	No. 34	
		AWG	Circular Miles	Size of Individual Strand No. AWG						AWG	Circular Miles	No. of Strands		
0.0201	1.22	24	404	32							24	404	4	11
0.02534	1.94	22	642	30							22	642	7	17
0.036	3.15	20	1020	28							20	1020	10	26
0.046	5.00	18	1620	26							18	1620	16	41
0.058	8.00	16	2580	24							16	2580	26	65
0.073	12.6	14	4110	22-	27	29					14	4110	41	104
0.092	20.0	12	6530	20-	25	28+	29				12	6530	65	165
0.116	32	10	10380	18-	23+	26+	27				10	10380	104	259
0.146	51	8	16510	16-	21+	24+	25	26+			8	16510	165	420
0.184	81	6	26240	14-	19+	22+	23	24	26+		6	26240	262	686
0.232	129	4	41740	12-	17+	20+	21	22+	24		4	41740	418	1029
0.260	162	3	52620	12+	16+	19+	20	21+	23+		3	52620	527	1323
0.292	205	2	66360	10-	15	18+	19	20+	22+		2	66360	663	1666
0.332	259	1	83690	9	14+	16-	18+	19+	21+		1	83690	836	2107
0.373	326	1/0	105600	8	13	16+	17+	18+	19-		1/0	105600	1056	2646
0.418	411	2/0	133100	8+	12+	15	16+	17+	18-		2/0	133100	1330	3332
0.470	518	3/0	167800	6-	11+	14+	15+	16+	18+		3/0	167800	1677	4256
0.528	653	4/0	211600	5-	10+	13	14+	15+			4/0	211600	2116	5320
0.575	772		250000		9	12+	13+	14				250000	2500	6251
0.630	925		300000		8-	11	12-	13				300000	3000	7581
0.681	1080		350000		8+	10-	12+	13+				350000	3500	8806
0.728	1236		400000		7-	10+	11	12				400000	4000	10108
0.772	1390		450000		6-	9-	11+	11-				450000	4500	11396
0.813	1544		500000		6+	9+	10	11+				500000	5000	12691
0.893	1853		600000			8	10					600000	6000	15007
0.964	2161		700000			7-						700000	7000	17507
0.998	2316		750000			7	9	11				750000	7500	18788
1.031	2470		800000									800000	8000	20069
1.094	2779		900000									900000	9000	22631
1.152	3088		1000000				8	10				1000000	10000	25193

Weight Of Bare Aluminum Conductor & Copper Equivalent

Size AWG	Approx. Net Weight (lbs./mft)	Copper Equivalents
6	24.6	8
4	39.2	6
3	49.4	5
2	62.3	4
1	78.5	3
1/0	99.1	2
2/0	124.9	1
3/0	157.5	1/0
4/0	198.6	2/0
266,800cm (7)	250.4	3/0
266,800cm (19)	250.4	3/0
336,400cm	315.8	4/0
397,500cm	372.5	250,000cm
477,000cm (19)	447.8	300,000cm
477,000cm (37)	447.8	300,000cm
556,500cm (19)	522.0	350,000cm
556,500cm (37)	522.0	350,000cm
636,000cm	597.0	400,000cm
715,500cm (37)	672.0	450,000cm
715,500cm (61)	672.0	450,000cm
795,000cm (37)	746.0	500,000cm
795,000cm (61)	746.0	500,000cm
874,000cm	821.0	550,000cm
874,500cm	821.0	550,000cm
954,000cm (37)	896.0	600,000cm
954,000cm (61)	896.0	600,000cm
1,033,500cm (37)	970.0	650,000cm
1,033,500cm (61)	970.0	650,000cm
1,113,000cm	1045.0	700,000cm
1,912,500cm	1119.0	750,000cm
1,272,000cm	1193.0	800,000cm
1,351,500cm	1268.0	850,000cm
1,431,000cm	1343.0	900,000cm
1,510,500cm	1418.0	950,000cm
1,590,000cm (61)	1493.0	1,000,000cm
1,590,000cm (91)	1493.0	1,000,000cm