

IEC 61089

All Aluminum Stranded Conductor (AAC)



Cross Section	No. of Stranding Wires	Diameter		Linear Mass	Rated Strength	Max. DC Resistance at 20°C
		Wires	Conductor			
mm ²	-	mm	mm	kg/km	kN	Ω/km
10	7	1.35	4.05	27.4	1.95	2.8633
16	7	1.71	5.12	43.8	3.04	1.7896
25	7	2.13	6.40	68.4	4.50	1.1453
40	7	2.7	8.09	109.4	6.80	0.7158
63	7	3.39	10.20	172.3	10.39	0.4545
100	19	2.59	12.90	274.8	17.00	0.2877
125	19	2.89	14.50	343.6	21.25	0.2302
160	19	3.27	16.40	439.8	26.40	0.1798
200	19	3.66	18.30	549.7	32.00	0.1439
250	19	4.09	20.50	687.1	40.00	0.1151
315	37	3.29	23.00	867.9	51.97	0.0916
400	37	3.71	26.00	1102.0	64.00	0.0721
450	37	3.94	27.50	1239.8	72.00	0.0641
500	37	4.15	29.00	1377.6	80.00	0.0577
560	37	4.39	30.70	1542.9	89.60	0.0515
630	61	3.63	32.60	1738.3	100.08	0.0458
710	61	3.85	34.60	1959.1	113.60	0.0407
800	61	4.09	36.80	2207.4	128.00	0.0361
900	61	4.33	39.00	2483.3	144.00	0.0321
1000	61	4.57	41.10	2759.2	160.00	0.0289
1120	91	3.96	43.50	3093.5	179.20	0.0258
1250	91	4.18	46.00	3452.6	200.00	0.0231
1400	91	4.43	48.70	3866.9	224.00	0.0207
1500	91	4.58	50.40	4143.1	240.00	0.0193