

**Bare Aluminum Conductor AAC IEC 61809****TECHNICAL PARAMETERS**

Cross Section-area	No. of wires	Wire Diameter	Overall Diameter	Approximate Weight	Min. Breaking Load	DC Resistance at 20°C
(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	2.31	6.40	68.4	4.50	1.1453
40	7	2.70	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	64.00	0.0721
450	37	3.94	27.50	1240	72.00	0.0641
500	37	4.15	29.00	1378	80.00	0.0577
560	37	4.39	30.70	1543	89.60	0.0515
630	61	3.63	32.60	1738	100.80	0.0458
710	61	3.85	34.60	1959	113.60	0.0407
800	61	4.09	36.80	2207	128.00	0.0361
900	61	4.33	39.00	2483	144.00	0.0321
1000	61	4.57	41.10	2759	160.00	0.0289
1120	91	3.96	43.50	3094	179.20	0.0258
1250	91	4.18	46.00	3453	200.00	0.0231
1400	91	4.43	48.70	3867	224.00	0.0207
1500	91	4.58	50.40	4143	240.00	0.0193