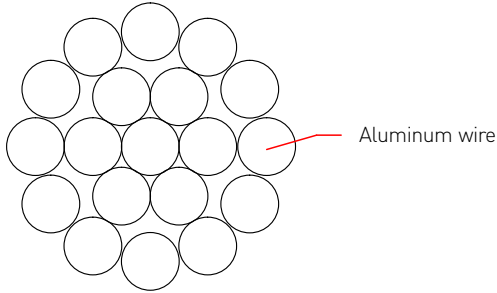


All aluminum conductors (AAC)

Standards: IEC, ASTM, EN



Construction

Stranded with hard-drawn aluminum wires.

Application

It is used for overhead power distribution line and overhead feeders

Features

Conductor have no hysteresis losses , The power loss of transmission line is reduced effectively.
The structure of single metal avoids the electrochemical reaction that will happen in the thermometal, so conductors will have a longer service life..

Technical details IEC 61089

Code number	Size of conductor mm ²	Structure No./mm	Calculated area mm ²	Rated strength kN	DC resistance at 20°C Ω/km	Overall diameter mm	Approx.Weight kg/km
10	10	7/1.35	10.02	1.95	2.8634	4.05	27.4
16	16	7/1.71	16.08	3.04	1.7896	5.13	43.8
25	25	7/2.13	24.94	4.50	1.1454	6.39	68.4
40	40	7/2.70	40.08	6.80	0.7159	8.10	109.4
63	63	7/3.39	63.18	10.40	0.4545	10.17	172.3
100	100	19/2.59	100.10	17.00	0.2877	12.95	274.9
125	125	19/2.89	124.64	21.25	0.2302	14.45	343.6
160	160	19/3.27	159.57	26.40	0.1798	16.35	439.8
200	200	19/3.66	199.90	32.00	0.1439	18.30	549.7
250	250	19/4.09	249.63	40.00	0.1151	20.45	687.2
315	315	37/3.29	314.55	51.98	0.0916	23.03	867.9
400	400	37/3.71	399.98	64.00	0.0721	25.97	1102.0
450	450	37/3.94	451.11	72.00	0.0641	27.58	1239.8
500	500	37/4.15	500.48	80.00	0.0577	29.05	1377.5
560	560	37/4.39	560.04	89.60	0.0515	30.73	1542.8
630	630	61/3.63	631.30	100.80	0.0458	32.67	1738.3
710	710	61/3.85	710.14	113.60	0.0407	34.65	1959.0
800	800	61/4.09	801.43	128.00	0.0361	36.81	2207.3
900	900	61/4.33	898.25	144.00	0.0321	38.97	2483.2
1000	1000	61/4.57	1000.58	160.00	0.0289	41.13	2759.1
1120	1120	91/3.96	1120.79	179.20	0.0258	43.56	3093.6
1250	1250	91/4.18	1248.78	200.00	0.0231	45.98	3452.6
1400	1400	91/4.43	1402.62	224.00	0.0207	48.73	3866.9
1500	1500	91/4.58	1499.21	240.00	0.0193	50.38	4143.2