

AAC



Conductoare de aluminiu pentru linii electrice aeriene cu sarme rotunde, cablate straturi concentrice

Conductors for overhead lines, round wires, concentric lay stranded conductors

Standard de referinta: SR CEI 61089 ; SR EN 50182

Material : Sârme din aluminiu tip AL1

Domeniul de utilizare: Pentru transportul energiei electrice in linii electrice aeriene

Standard of reference: SR CEI 61089 ; SR EN 50182

Material: Hard drawn aluminium, type AL1

Application: For the transporting electricity in overhead lines

Tip conductor/ sectiune <i>Conductor type/ section</i>	Sectiune nominala <i>Nominal section</i> [mm ²]	Nr. de sarme <i>No. of wires</i>	Diam. sarma <i>Wire diameter</i> [mm]	Constructie conductor <i>Conductor's construction</i>	Diam. conductor <i>Conductor's diameter</i> [mm]	Masa <i>Weight</i> [kg/km]	Fora de rupere nominala <i>Nominal breaking strength</i> [kN]	Rezistenta electrica, la 20°C <i>Electrical resistance at 20°C</i> [Ω/km]	Capacitatea de transport a curentului <i>Current carrying capacity</i> [A]
25	24.2	7	2.1	7x2.1	6.3	66	4.36	1.179	144
35	34.4	7	2.5	7x2.5	7.5	94	6.01	0.8317	180
50	49.5	7	3	7x3	9.0	135	8.41	0.5776	225
70	65.8	19	2.1	19x2.1	10.5	181	11.85	0.4367	270
95	93.3	19	2.5	19x2.5	12.5	256	16.32	0.3081	340
120	117.0	19	2.8	19x2.8	14.0	321	19.89	0.2456	390

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150	147.1	37	2.25	37x2.25	15.8	406	26.5	0.1960	455
185	181.6	37	2.5	37x2.5	17.5	501	31.78	0.1588	520
240	242.5	61	2.25	61x2.25	20.3	671	43.66	0.1193	625
300	299.4	61	2.5	61x2.5	22.5	828	52.4	0.0966	710
400	400.1	61	2.89	61x2.89	26.0	671	68.02	0.0723	855
500	500	61	3.23	61x3.23	29.1	1383	82.47	0.0579	990
630	584.3	61	3.63	61x3.63	32.6	1643	100.8	0.0458	1075
800*	802.1	91	3.35	91x3.35	36.9	2228	132.34	0.0362	1340
900	898.2	61	4.33	61x4.33	39.0	2483	144	0.0321	1440
957	957.4	91	3.66	91x3.66	40.3	2643	153	0.0295	1480
1000	999.7	91	3.74	91x3.74	41.1	2777	159	0.0291	1540

* Construction specific in Germany and Austria