



Çelik Özlü Alüminyum İletken Teknik Özellikler

Aluminium Conductors Steel Reinforced Technical Specifications

Characteristics of aluminium conductors steel reinforced used in Finland - Type AL1/ST1A

Code	Old Code	Areas			No of wires		Wire Diameter		Diameter		Mass Per Unit Length kg/km	Rated Strength kN	DC Resistance Ω/km
		Al	Steel	Total	Al	Steel	Al	Steel	Core	Cond.			
		mm ²	mm ²	mm ²									
34-AL1/6-ST1A	ACSR 34/6 SPARROW	33,8	5,6	39,5	6	1	2,68	2,68	2,68	8,04	137	12,18	0,846
54-AL1/9-ST1A	ACSR 54/9 RAVEN	53,5	8,9	62,4	6	1	3,37	3,37	3,37	10,11	216	18,64	0,535
85-AL1/14-ST1A	ACSR 85/14 PIGEON	85,1	14,2	99,3	6	1	4,25	4,25	4,25	12,75	344	29,22	0,336
106-AL1/25-ST1A	ACSR 106/25 SUURSAVO	105,9	24,7	130,6	30	7	2,12	2,12	6,36	14,84	486	47,97	0,272
152-AL1/25-ST1A	ACSR 152/25OSTRICH	152,2	24,7	176,9	26	7	2,73	2,12	6,36	17,28	614	54,78	0,189
305-AL1/39-ST1A	ACSR 305/39 DUCK	304,6	39,5	344,1	54	7	2,68	2,68	8,04	24,12	1151	96,80	0,094
565-AL1/72-ST1A	ACSR 565/72 FINCH	565,0	71,6	636,6	54	19	3,65	2,19	10,95	32,85	2123	174,14	0,051
42-AL1/25-ST1A	ACSR 42/25 SAVO	42,4	24,7	67,1	12	7	2,12	2,12	6,36	10,60	310	36,53	0,681
89-AL1/52-ST1A	ACSR 89/52 DOTTEREL	89,4	52,2	141,6	12	7	3,08	3,08	9,24	15,40	655	72,12	0,323
93-AL1/39-ST1A	ACSR 93/39 IMATRA	92,9	39,5	132,4	10	7	3,44	2,68	8,04	14,92	565	60,35	0,31
148-AL1/67-ST1A	ACSR 148/68 KUOPIO	148,3	67,1	215,3	42	19	2,12	2,12	10,60	19,08	937	105,16	0,195

NOTE: Direction of lay of external layer is right - hand (Z)

Characteristics of aluminium alloy conductors steel reinforced used in Finland - Type AL2/ST1A

Code	Old Code	Areas			No of wires		Wire Diameter		Diameter		Mass Per Unit Length kg/km	Rated Strength kN	DC Resistance Ω/km
		Al	Steel	Total	Al	Steel	Al	Steel	Core	Cond.			
		mm ²	mm ²	mm ²									
106-AL2/25-ST1A	AACSR 106/25	105,9	24,7	130,6	30	7	2,12	2,12	6,36	14,8	486	63,33	0,317

NOTE: Direction of lay of external layer is right - hand (Z)