

**Conductoare din otel-aliaj de aluminiu, tip A3/S2A (aliaj din aluminiu tip A3, otel de inalta rezistenta tip S2A), conform SF 114/2007  
AACSR, Aluminium alloy conductors, Steel Reinforced, type A3/S2A (aluminium alloy type AL3, extra high strength steel type ST1A),  
according to SF 114/2007**

Cod	Cod vechi	Sectiune aliaj	Sectiune otel	Sectiune conductor aliaj	Numar sarme otel	Numar sarme	Diametru aluminiu	Diametru otel	Diametru conductor gresat	Masa conductor	Forta de rupere continuu	Rezistenta in curent a curentului	Capacitatea de transport
Code name	Old code name	Alloy area	Steel area	AACSR area	No. of alloy wires	No. of steel wires	Diameter of alloy wires	Diameter of steel wires	Overall diameter	Linear weight	Tensile Strength	DC resistance at 20°C	Current carrying capacity
		mm <sup>2</sup>	mm <sup>2</sup>	mm <sup>2</sup>			mm	mm	mm	kg/km	kN	Ohm/km	A
<b>95 / 30</b>	<b>95 / 55</b>	120.6	32.2	152.8	15	4	3.20	3.20	16.00	605	79.04	0.2774	556
<b>160 / 70</b>	<b>160 / 95</b>	190.8	70.6	261.4	27	10	3.00	3.00	21.00	1088	149.65	0.1755	752
<b>150 / 105</b>	<b>150 / 150</b>	193.0	104.5	297.5	24	13	3.20	3.20	22.40	1391	196.61	0.1735	771
<b>450 / 30</b>	<b>450 / 97</b>	523.9	30.3	554.2	45	7	3.85	2.35	30.15	1690	203.88	0.0641	1389
<b>550 / 35</b>	<b>550 / 150</b>	673.1	57.7	708.8	72	7	3.45	2.55	35.25	2147	264.49	0.0499	1652
<b>973 / 45</b>	<b>973 / 228</b>	1135.0	46.2	1181.2	72	7	4.48	2.90	44.50	3508	416.77	0.0296	2306

Nota: Capacitatea de transport a curentului, in cazul acestor conductoare a fost calculata folosind urmatoarele valori pentru conditiile de mediu (conform Publicatiei Comisiei Electrotehnice Internationale IEC 61597 TR 3-1995):

Viteza vantului :	1 m/s
Intensitatea radiatiei solare :	900 W/m <sup>2</sup>
Coeficient de absorbtie solara :	0.5
Emisivitatea in raport cu un corp negru :	0.6
Temperatura aluminiului :	353 K (80 °C)
Temperatura mediului ambiant :	293 K (20 °C)

\*Ampacity rating based on 20°C ambient, with 900 W/m<sup>2</sup> solar heating and 1m/sec wind, 80°C conductor temperature, 0.6 coefficient of emissivity, 0.5 coefficient of solar absorptivity.