

CONDUCTOR OTEL-ALUMINIU TIP ACSR

ALUMINUM CONDUCTORS STEEL REINFORCED, ACSR TYPE

Standard	Aprobari / Approvals	Ambalare / Packaging
ST 161:2025; SR CEI 61089; SR EN 50182	Certificat de omologare tehnica feroviara Nr. 146,147/2025, AFER Buc Railway Technical Approval Certificate No. 146,147/2025, AFER Buc Romania	Tambur/ drum

CARACTERISTICI		CHARACTERISTICS	
Utilizare: Conductoarele de otel-aluminiu tip ACSR se utilizeaza la: <ul style="list-style-type: none"> - trasee ELF, alimentare statii CF - alimentare circuite exterioare in principal pe sectiile neelectrificate, - circuite primare 110 kV / 25 kV la substationile de tractiune electrica 		Use: Aluminum conductors steel reinforced, ACSR type are used in: <ul style="list-style-type: none"> - ELF routes, railway stations supply - Supply external circuits primarily on non-electrified sections, - Primary circuit 110 kV / 25 kV substations of electric traction 	
Temperatura minima de montaj	-5°C	Temperature during installation	-5°C
Temperatura maxima de lucru	-40°C...+55 °C	Max.permmissible operating temperature	-40°C...+55 °C
Raza minima de curbura la instalare	Min. 12 x diametru	Min. bending radius at installation	Min. 12 x diameter
Clasa de risc	1A	Risk class	1A
Durata de viata	24-36 ani	Life	24-36 years

Conductor tip ACSR

Tip Cond. Type cond	Sectiune Section			Nr de sarme din cond Number of wire		Diam. sarmei din cond Wire diameter		Diam. Cond. Cond. diameter	Masa Weight	Fora de rupere Rated strength	Modul de elasticitate Final modulus of elasticity	Rezistenta electrica max, la 20°C Max. resistance at 20°C
	Al	OI	Total	Al	OI	Al	OI					
	mm ²	mm ²	mm ²			mm	mm					
35/6	34.4	5.73	40.1	6	1	2.7	2.70	8.1	138.8	12.37	76700	0.8342
50/8	48.3	8.04	56.3	6	1	3.2	3.20	9.6	195.0	16.81	76700	0.5939
70/11	68.0	11.34	79.4	6	1	3.8	3.80	11.4	275.0	23.36	76700	0.4217
70/12	69.9	11.4	81.3	26	7	1.8	1.45	11.55	272.6	25.76	73900	0.4128
95/15	90.05	14.97	105.0	26	7	2.1	1.65	13.35	365.6	33.72	73900	0.3206
95/55	96.51	56.3	152.8	12	7	3.2	3.20	16.00	706.4	77.85	107000	0.2991

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	Al	OI	Total	Number of wire		Wire diameter						
				Al	OI	Al	OI					
	mm ²	mm ²	mm ²			mm	mm					
120/21	122.6	20.91	143.5	26	7	2.45	1.95	15.65	501.8	45.91	73900	0.2354
150/25	148.8	24.25	173.1	26	7	2.7	2.10	17.10	600.5	53.67	73900	0.1940
160/95	163.3	97.03	260.4	52	19	2.0	2.55	20.75	1213.2	140.84	105000	0.1770
185/32	183.8	31.67	215.4	26	7	3.0	2.40	19.20	754.9	67.34	73900	0.1571
240/40	236.1	40.08	276.1	26	7	3.4	2.70	21.70	965.0	84.64	73900	0.1223
300/50	294.9	49.48	344.4	26	7	3.8	3.00	24.20	1200.9	103.59	73900	0.0979
300/69	306.3	68.98	374.3	30	19	3.6	2.15	25.15	1384.7	129.56	80000	0.0946
450/75	445.3	75.55	520.9	63	19	3.0	2.25	29.25	1823.4	164.09	82000	0.0649
450/97	449.1	97.03	546.2	68	19	2.9	2.55	30.15	2002.5	186.97	70200	0.0644
680/85	678.6	85.95	764.5	54	19	4.0	2.40	36.0	2550.8	206.56	68000	0.0426