



ACSR - CONDUCTOARE DE OTEL –ALUMINIU

ACSR - ALUMINIUM-CONDUCTOR STEEL-REINFORCED CABLE

Standard de referinta: SR CEI 61089

Reference standard: SR CEI 61089

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

Applications: Bare conductors used in overhead power lines

Tip conductor	Sectiune Al	Sectiune otel	Sectiune totala	Nr. sarme de OI	Diametru sarme de OI	Nr. sarme de Al	Diametru sarme de Al	Diametru conductor	Masa conductor negresat	Forta de rupere nominala	Rezistenta electrica la 20°C
Type conductor	Aluminum section	Steel section	Total section	Number of steel wire	Diameter of steel wire	Number of aluminium wire	Aluminum wire diameter	Diameter conductor	Ungreased conductor weight	Nominal breaking strength	Electrical resistance at 20°C
	[mm ²]	[mm ²]	[mm ²]	[mm]	[mm]		[mm]	[mm]	[kg/km]	[kN]	[Ω/km]
35/6	34.3	5.7	40	1	2.7	6	2.7	8.1	139	12.7	0.835
50/8	48.3	8.0	56.3	1	3.2	6	3.2	9.6	195	16.81	0.5948
70/11	68.05	11.34	79.39	1	3.8	6	3.8	11.4	275	23.36	0.4217
70/12	69.9	11.4	81.3	7	1.44	26	1.85	11.7	283	25.76	0.4132
95/15	90.05	14.49	105.02	7	1.65	26	2.1	13.35	365	33.72	0.3206
95/55	96.51	56.3	152.81	7	3.2	12	3.2	16.0	706	77.85	0.2992
120/21	122.6	20.9	143.5	7	1.95	26	2.45	15.7	502	45.92	0.2356
150/25	148.8	24.25	173.1	7	2.1	26	2.6	17.1	600	53.67	0.1940
160/95	163.3	97.03	260.2	19	2.55	52	2.0	20.75	1213	140.83	0.1773
170/95	170.2	97.03	267.27	19	2.55	12	4.25	21.25	1231	137.85	0.1696
185/32	183.8	31.7	215.5	7	2.4	26	3.0	19.2	757	67.35	0.1571
240/40	236.0	40.1	276.1	7	2.7	26	3.4	21.7	967	84.65	0.1223
300/50	294.9	49.5	344.4	7	3.0	26	3.8	24.2	1200	103.59	0.0979
300/69	305.3	69.0	374.3	19	2.15	30	3.6	25.15	1384	129.56	0.0947
400/52	400	51.9	452	7	3.07	54	3.07	27.6	1510	123.09	0.0723
400/50	381.7	49.5	431.2	7	3.0	54	3.0	27.0	1442	117.4	0.0756
450/75	445.1	75.5	520.6	19	2.25	63	3.0	29.25	1832	164.09	0.0649
560/70	560	70.9	631	19	2.18	54	3.65	32.7	2103	172.55	0.0516
680/85	678.6	85.9	764.5	19	2.4	54	4.0	36.0	2550	206.56	0.0426