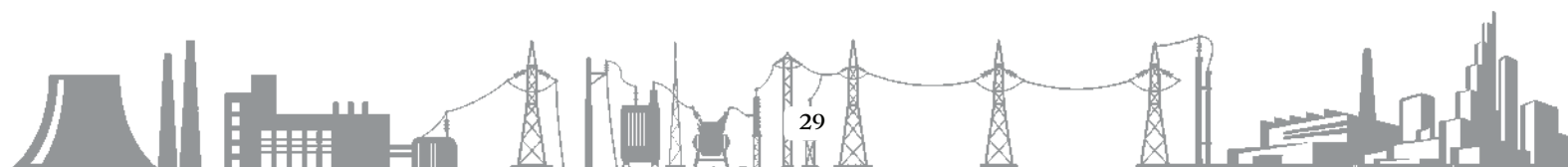




ALL ALUMINUM CONDUCTOR STEEL REINFORCED (ACSR) - EN 50182 : 2001- TYPE A1/ST3D

Code Name	Sectional Area (mm ²)	Stranding		Wire diameter		Diameter of Complete Conductor (mm)	Conductor Weight (Kg/km)	Rated Strength KN	DC Resistance @ 20°C (Ω/Km)	Current Capacity	
		No. of Wires		AL (mm)	Steel (mm)					@ 75°C (Ampere)	@ 85°C (Ampere)
		AL	Steel								
		(No.)	(No.)								
42-AL 1/7 -ST3D	49.50	6	1	3.00	3.00	9.00	171	15.0	0.6757	137	164
68-AL 1/39-ST3D	107.20	12	7	2.68	2.68	13.40	496	59.3	0.4266	185	225
128-AL 1/21-ST3D	148.50	26	7	2.50	1.95	15.90	516	47.6	0.2263	280	344
191-AL 1/31-ST3D	222.30	26	7	3.06	2.38	19.40	772	69.2	0.1510	354	439
212-AL 1/49-ST3D	261.50	30	7	3.00	3.00	21.00	973	90.5	0.1363	377	470
265-AL 1/43-ST3D	307.80	26	7	3.60	2.80	22.80	1 068.0	89.8	0.1091	427	533
349-AL 1/79-ST3D	428.20	30	19	3.85	2.30	26.90	1 585.7	151.4	0.0828	501	633
382-AL 1/49-ST3D	431.20	54	7	3.00	3.00	27.00	1 442.5	119.3	0.0758	516	653
416-AL 1/93-ST3D	508.90	30	19	4.20	2.50	29.30	1 881.8	179.4	0.0696	552	702
434-AL 1/56-ST3D	490.60	54	7	3.20	3.20	28.80	1 641.3	133.6	0.0666	555	705
520-AL 1/66-ST3D	585.30	54	19	3.50	2.10	31.50	1 952.1	165.4	0.0556	613	784
629-AL 1/79-ST3D	707.60	54	19	3.85	2.30	34.60	2 356.6	196.10	0.0460	679	876
748-AL 1/93-ST3D	841.40	54	19	4.20	2.50	37.70	2 799.3	232.6	0.0386	746	969
859-AL 1/109-ST3D	967.60	54	19	4.50	2.70	40.50	3 226.9	269.0	0.0337	800	1048
1657-AL 1/209-ST3D	1865.40	150	37	3.75	2.68	56.30	6 222.4	517.6	0.0175	1106	1511





ALL ALUMINUM CONDUCTOR STEEL REINFORCED (ACSR) - EN 50182 : 2001- TYPE A1/ST3D

Code Name	Sectional Area (mm ²)	Stranding		Wire diameter		Diameter of Complete Conductor (mm)	Conductor Weight (Kg/km)	Rated Strength KN	DC Resistance @ 20°C (Ω/Km)	Current Capacity	
		No. of Wires		AL (mm)	Steel (mm)					@ 75°C (Ampere)	@ 85°C (Ampere)
		AL (No.)	Steel (No.)								
		(mm ²)	(No.)	(No.)	(mm)					(mm)	(mm)
42-AL 117-ST 4A	49.50	6	1	3.00	3.00	9.00	171	16.2	0.6757	137	164
68-AL 1/39-ST4A	107.20	12	7	2.68	2.68	13.40	496	61.9	0.4266	185	225
128-AL 1/21-ST4A	148.50	26	7	2.50	1.95	15.90	516	49.0	0.2263	280	344
191-AL 1/31-ST4A	222.30	26	7	3.06	2.38	19.40	772	71.3	0.1510	354	439
212-AL 1/49-ST4A	261.50	30	7	3.00	3.00	21.00	973	99.1	0.1363	377	470
265-AL 1/43-ST4A	307.80	26	7	3.60	2.80	22.80	1 068.0	97.3	0.1091	427	533
349-AL 1 /79-ST4A	428.20	30	19	3.85	2.30	26.90	1 585.7	156.5	0.0828	501	633
382-AL 1/d9-ST4A	431.20	54	7	3.00	3.00	27.00	1 442.5	128.0	0.0758	516	653
416-AL 1/93-ST4A	508.90	30	19	4.20	2.50	29.30	1 881.8	185.4	0.0696	552	702
434-AL 1/56-ST4A	490.60	54	7	3.20	3.20	28.80	1 641.3	140.6	0.0666	555	705
520-AL 1/66-ST4A	585.30	54	19	3.50	2.10	31.50	1 952.1	169.6	0.0556	613	784
629-AL 1/79-ST4A	707.60	54	19	3.85	2.30	34.60	2 356.6	201.2	0.0460	679	876
748-AL 1/93-ST4A	841.40	54	19	4.20	2.50	37.70	2 799.3	238.6	0.0386	746	969
859-AL 1/109-ST4A	967.60	54	19	4.50	2.70	40.50	3 226.9	276.11	0.0337	800	1048
165 7 -AL 11209-S T 4A	1 865.4	150	37	3.75	2.68	56.30	6 222.4	531.19	0.0175	1106	1511

