Conductoare din aluminiu , conform SF 35/1999
All Aluminium Conductors, according to SF 35/1999

Tip conductor *Code*	Sectiunea calculata *Cross Sectional Area* mm^2	Numar sarme *No. of wires*	Diametru sarma *Wire diameter* mm	Diametru conductor *Overall diameter* mm	Masa conductor *Linear Weight* kg/km	Forta de rupere nominala *Breaking Load* N	Rezistenta electrica la 20°C *Resistance at 20°C* Ohm/km	Capacitatea* de transport a curentului *Current carrying capacity* A
16	16	7	1.70	5.10	43.5	3020	1.8022	146
25	25	7	2.10	6.30	66.4	4360	1.1810	190
35	35	7	2.50	7.50	94.1	6010	0.8333	238
50	50	7	3.00	9.00	135.5	8410	0.5787	300
50	50	19	1.80	9.00	133.0	8950	0.5951	296
70	70	7	3.40	10.20	174.0	10490	0.4505	353
70	70	19	2.10	10.50	181.1	11850	0.4372	361
95	95	19	2.50	12.50	256.6	16320	0.3085	451
120	120	19	2.80	14.00	321.9	19890	0.2459	522
150	150	37	2.25	15.75	405.8	26480	0.1960	606
185	185	37	2.50	17.50	500.9	31780	0.1588	694
240	240	61	2.25	20.25	669.9	43660	0.1191	836
300	300	61	2.50	22.50	827.1	52400	0.0965	959
400	400	61	2.90	26.10	1112.9	68500	0.0717	1162

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

*Capacitatea de transport a curentului, calculata pe baza urmatoarelor valori pentru conditiile de mediu (conform Publicatiei Comisiei Electrotehnice Internationale IEC 1597):
20 °C temperatura mediului ambiant; 900 W/m^2 intensitatea radiatiei solare;
1 m/s viteza vantului; 80 °C temperatura aluminiului; 0.6 emisivitatea in raport cu un corp negru;
0.5 coeficient de absorbtie solara;

Conductoare din aluminiu cu sarme profilate (A1F) cablate în straturi concentrice , conform SF 114-2007
AAC/TW Shaped Wire Compact Concentric-Lay Stranded Aluminium Conductors, according to SF 114-2007

Cod conductor *Code*	Sectiunea calculata *Cross Sectional Area* mm^2	Numar sarme *No. of wires*	Diametru conductor *Overall diameter* mm	Masa conductor negresat *Weight not-lubricated* mm	Masa conductor gresat *Weight lubricated* kg/km	Forta de rupere nominala *Breaking Load* N	Rezistenta electrica la 20°C *Resistance at 20°C* Ohm/km	Capacitatea de transport a curentului *Current carrying capacity* A
16F	15.90	1+6sp	4.60	43	45	3020	1.8022	146
25F	24.20	1+6sp	5.70	65	69	4360	1.1810	190
35F	34.30	1+6sp	6.80	93	99	6010	0.8333	238
50F	49.40	1+6sp	8.00	134	142	8410	0.5787	300
70F	65.70	1+6sp	9.50	179	191	11850	0.4372	353
95F	93.06	7+9sp	11.00	253	271	16320	0.3085	451
120F	116.80	7+9sp	12.50	318	340	19890	0.2459	522
150F	147.00	7+9sp	14.00	405	419	24380	0.1960	606
185F	181.50	19+12sp	16.00	500	518	31780	0.1588	694
240F	242.15	19+12sp	18.00	657	696	41160	0.1191	836
300F	298.86	19+12sp	20.00	823	859	49310	0.0965	959
400F	400.47	19+15sp	23.50	1102	1141	64000	0.0721	1158
500F	500.40	19+18sp	26.50	1377	1427	80000	0.0577	1337
630F	631.30	37+18sp	29.50	1738	1813	100800	0.0458	1555

Conductoare din aluminiu cu sarme profilate (A1F) cablate în straturi concentrice, cu capacitatea de transport a curentului marita , conform SF 114-2007
AAC/TW Shaped Wire Compact Concentric-Lay Stranded Aluminium Conductors, with high current rating, according to SF 114-2007

AAC/TW	AAC cu acelasi diametru *Equivalent diameter*	Sectiunea calculata *Cross Sectional Area* mm^2	Numar sarme *No. of wires*	Diametru conductor *Overall diameter* mm	Masa conductor negresat *Weight not-lubricated* mm	Forta de rupere nominala *Breaking Load* N	Rezistenta electrica la 20°C *Resistance at 20°C* Ohm/km	Capacitatea de transport a curentului *Current carrying capacity* A
20F	16	20.10	1+6sp	5.10	55	3720	1.4272	163
30F	25	30.68	1+6sp	6.30	84	5370	0.9351	214
40F	35	43.48	1+6sp	7.50	119	7390	0.6598	267
63F	50	62.61	1+6sp	9.00	171	10330	0.4582	337
85F	70	85.22	1+6sp	10.50	233	13635	0.3366	411
110F	95	111.66	7+9sp	12.50	307	18767	0.2582	494
140F	120	140.06	7+9sp	14.00	385	22840	0.2058	571
180F	150	177.27	7+9sp	15.75	488	28630	0.1626	665
210F	185	209.21	19+12sp	17.50	576	35450	0.1378	745
280F	240	279.95	19+12sp	20.25	771	46040	0.1030	899
350F	300	346.24	19+12sp	22.50	953	56160	0.0833	1032
460F	400	462.27	19+15sp	26.00	1273	73960	0.0624	1245
570F	500	568.68	19+18sp	29.00	1566	90980	0.0507	1427
710F	630	707.23	37+18sp	32.60	1966	113150	0.0412	1640