

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced

Bare overhead conductor for standard-based line selection

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced is prepared for preliminary product selection and quotation review. This product is used for overhead line routes where conductor material, stranding, rated strength and DC resistance must be reviewed against the selected project standard. Final selection should consider span length, mechanical loading, route environment and local utility requirements.



VOLTAGE

Not voltage-rated; selected by conductor standard and line design

CONDUCTOR

Aluminum / aluminum alloy conductor route, confirmed by technical table

TYPICAL USE

Overhead transmission and distribution lines

STANDARDS

ASTM B549; IEC 61089; GB/T 1179; ASTM B230; additional project standards

DATA SCOPE

20 technical table(s) included for preliminary selection

SELECTION NOTE

Confirm standard route, conductor size, stranding, strength and line design.

For quotation review, provide cable type, standard, size, quantity and project destination.

ethan@farwalkcable.com | +86 155 5800 6344

Application & Selection Summary

Typical applications

- Overhead transmission and distribution lines
- utility feeder routes
- substation or busbar connections
- replacement projects requiring standard-based bare conductor selection.

Selection logic

- Review the required standard route first.
- Compare conductor area, stranding, rated strength, DC resistance and overall diameter.
- For higher tension or long spans, compare with reinforced or alloy conductor alternatives.

Construction Overview

Item	Website-ready content
Product route	Concentric-lay stranded bare conductor. Material and reinforcement depend on the selected product type and standard route.
Voltage	Reviewed according to selected product standard
Conductor	Aluminum / aluminum alloy conductor route, confirmed by technical table
Standards	ASTM B549; IEC 61089; GB/T 1179; ASTM B230; ASTM B502
Confirmation	Final structure, dimensions and packing should follow selected standard, quotation review and order specification.

Readable Data Index

Data route	Size / rating range	Construction	Diameter / OD	Resistance / weight / rating
ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforce	15 / 2.56 / 17.6 - 310 / 21.40 / 331.0	6X1.81 / 1X1.81 - 45X2.96 / 7X1.97	5.43 - 23.70	1.7923 - 0.0917
ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforce	303 / 49.30 / 352.0 - 436 / 56.50 / 493.0	26X3.75 / 7X2.99 - 54X3.21 / 7X3.21	24.40 - 28.90	0.0916 - 0.0642
ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforce	492 / 34.00 / 526.0 - 791 / 34.20 / 825.0	45X3.73 / 7X2.49 - 72X3.74 / 7X2.49	29.80 - 37.40	0.0578 - 0.0361
ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforce	784 / 65.30 / 849.0 - 1.225 / 99.80 / 1325.0	84X3.45 / 7X3.45 - 84X4.31 / 19X2.59	37.90 - 47.40	0.0362 - 0.0231

Data boundary: these tables support website launch, quotation review and preliminary product selection. For project execution, final dimensions, electrical performance, packing and compliance documents should be confirmed against the selected project standard and order specification.

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced - Technical Table 1

Reference table for preliminary selection and quotation review.

Code No.	Steel Ratio (%)	Area Al / SA1A / Total (mm ²)	Stranding Al / SA1A	Overall Dia. (mm)	Unit Weight (kg/km)	Rated Strength (kN)	DC Resistance 20°C (Ω/km)
16	16.7	15 / 2.56 / 17.6	6X1.81 / 1X1.81	5.43	59.0	5.91	1.7923
25	16.7	24 / 4.00 / 28.0	6X2.26 / 1X2.26	6.78	92.1	9.00	1.1471
40	16.7	38 / 6.40 / 44.4	6X2.85 / 1X2.85	8.55	147.4	14.21	0.7169
63	16.7	60 / 10.08 / 70.1	6X3.58 / 1X3.58	10.70	232.2	21.17	0.4552
100	16.7	96 / 16.00 / 112.0	6X4.51 / 1X4.51	13.50	368.6	31.84	0.2868
125	5.6	123 / 6.85 / 130.0	18X2.95 / 1X2.95	14.80	384.3	29.18	0.2304
125	16.3	120 / 19.60 / 140.0	26X2.43 / 7X1.89	15.40	460.8	44.49	0.2308
160	5.6	158 / 8.77 / 167.0	18X3.34 / 1X3.34	16.70	491.9	36.38	0.1800
160	16.3	154 / 25.00 / 179.0	26X2.74 / 7X2.13	17.40	589.8	56.18	0.1803
200	5.6	197 / 10.96 / 208.0	18X3.74 / 1X3.74	18.70	614.9	43.62	0.1440
200	16.3	192 / 31.30 / 223.0	26X3.07 / 7X2.39	19.40	737.2	69.27	0.1443
250	9.8	244 / 24.00 / 268.0	32X3.76 / 7X2.09	21.30	830.9	67.8	0.1153
250	16.3	240 / 39.10 / 279.0	26X3.43 / 7X2.67	21.70	921.5	86.58	0.1154
315	6.9	310 / 21.40 / 331.0	45X2.96 / 7X1.97	23.70	996.4	78.33	0.0917

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced - Technical Table 2

Reference table for preliminary selection and quotation review.

Code No.	Steel Ratio (%)	Area Al / SA1A / Total (mm ²)	Stranding Al / SA1A	Overall Dia. (mm)	Unit Weight (kg/km)	Rated Strength (kN)	DC Resistance 20°C (Ω/km)
315	16.3	303 / 49.30 / 352.0	26X3.75 / 7X2.99	24.40	1161.1	107.58	0.0916
400	6.9	393 / 27.20 / 420.0	45X3.34 / 7X2.22	26.70	1265.3	97.50	0.0722
400	13	387 / 50.20 / 437.0	54X3.02 / 7X3.02	27.20	1402.9	124.20	0.0723
450	6.9	442 / 40.60 / 483.0	45X3.54 / 7X2.36	28.30	1423.4	107.48	0.0642
450	13	436 / 56.50 / 493.0	54X3.21 / 7X3.21	28.90	1578.2	139.72	0.0642

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced - Technical Table 3

Reference table for preliminary selection and quotation review.

Code No.	Steel Ratio (%)	Area Al / SA1A / Total (mm ²)	Stranding Al / SA1A	Overall Dia. (mm)	Unit Weight (kg/km)	Rated Strength (kN)	DC Resistance 20°C (Ω/km)
500	6.9	492 / 34.00 / 526.0	45X3.73 / 7X2.49	29.80	1581.6	119.42	0.0578
500	13	484 / 62.80 / 547.0	54X3.78 / 7X3.38	30.40	1753.6	153.99	0.0578
560	6.9	550 / 38.10 / 588.0	45X3.95 / 7X2.63	31.60	1771.4	133.75	0.0516
560	12.7	543 / 68.80 / 612.0	54X3.58 / 19X2.15	32.20	1956.3	169.36	0.0516
630	6.9	619 / 42.80 / 662.0	45X4.19 / 7X2.79	33.50	1992.8	150.47	0.0458
630	12.7	611 / 77.30 / 688.0	54X3.79 / 19X2.28	34.20	2200.9	190.52	0.0459
710	6.9	698 / 48.30 / 746.0	45X4.44 / 7X2.96	35.60	2245.8	169.57	0.0407
710	12.7	688 / 87.20 / 775.0	54X4.03 / 19X2.42	36.30	2480.3	214.72	0.0407
800	4.3	791 / 34.20 / 825.0	72X3.74 / 7X2.49	37.40	2412.8	167.67	0.0361

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced - Technical Table 4

Reference table for preliminary selection and quotation review.

Code No.	Steel Ratio (%)	Area Al / SA1A / Total (mm ²)	Stranding Al / SA1A	Overall Dia. (mm)	Unit Weight (kg/km)	Rated Strength (kN)	DC Resistance 20°C (Ω/km)
800	8.3	784 / 65.30 / 849.0	84X3.45 / 7X3.45	37.90	2598.9	206.37	0.0362
800	12.7	775 / 98.20 / 873.0	54X4.28 / 19X2.57	38.50	2794.7	241.94	0.0361
900	4.3	890 / 38.50 / 929.0	72X3.97 / 7X2.65	39.70	2714.4	188.63	0.0321
900	8.3	882 / 73.50 / 956.0	84X3.66 / 7X3.66	40.20	2923.8	224.82	0.0321
1.000	4.3	989 / 42.70 / 1032.0	72X4.18 / 7X2.79	41.80	3016.0	209.59	0.0289
1.120	4.2	1.108 / 46.80 / 1155.0	72X4.43 / 19X1.77	44.30	3372.6	233.48	0.0258
1.120	8.1	1,098 / 89.40 / 1187.0	84X4.08 / 19X2.45	44.90	3628.4	282.88	0.0258
1.250	4.2	1.237 / 52.20 / 1289.0	72X4.68 / 19X1.87	46.80	3764.1	260.58	0.0231
1.250	8.1	1.225 / 99.80 / 1325.0	84X4.31 / 19X2.59	47.40	4049.5	315.72	0.0231

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced - Technical Table 5

Reference table for preliminary selection and quotation review.

Code Name	Al Size (MCM / mm ²)	Stranding Al / AW	Overall Dia. (mm)	Weight (kg/km)	Rated Strength (kN)	DC Resistance 20°C (Ω/km)
Thrasher	2312 / 1171	76×4.43 / 19×2.07	45.79	3679	246	0.0244
Kiwi	2167 / 1098	72×4.41 / 7×2.94	44.10	3366	218	0.0261
Bluebird	2156 / 1092	84×4.07 / 19×2.44	44.76	3627	262	0.0259
Chukar	1780 / 902	84×3.70 / 19×2.22	40.70	2996	220	0.0314
Falcon	1590 / 806	54×4.36 / 19×2.62	39.26	2917	236	0.0346
Lapwing	1590 / 806	45×4.78 / 7×3.18	38.22	2598	186	0.0351
Parrot	1510.5 / 765	54×4.25 / 19×2.55	38.25	2768	224	0.0364
Nuthatch	1510.5 / 765	45×4.65 / 7×3.10	37.20	2467	177	0.0370
Plover	1431 / 725	54×4.14 / 19×2.48	37.24	2625	212	0.0384
Bobolink	1431 / 725	45×4.53 / 7×3.02	36.24	2336	167	0.0390
Martin	1351.5 / 685	54×4.02 / 19×2.41	36.17	2478	201	0.0407
Dipper	1351.5 / 685	45×4.40 / 7×2.93	35.19	2207	158	0.0414
Pheasant	1272 / 645	54×3.90 / 19×2.34	35.10	2333	189	0.0433
Bittern	1272 / 645	45×4.27 / 7×2.85	34.17	2078	149	0.0439

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced - Technical Table 6

Reference table for preliminary selection and quotation review.

Code Name	Al Size (MCM / mm ²)	Stranding Al / AW	Overall Dia. (mm)	Weight (kg/km)	Rated Strength (kN)	DC Resistance 20°C (Ω/km)
Skylark	1272 / 645	36×4.78 / 1×4.78	33.46	1893	114	0.0442
Grackle	1192.5 / 604	54×3.77 / 19×2.27	33.97	2188	179	0.0463
Bunting	1192.5 / 604	45×4.14 / 7×2.76	33.12	1948	139	0.0467
Finch	1113 / 564	54×3.65 / 19×2.19	32.85	2043	167	0.0494
Bluejay	1113 / 564	45×4.00 / 7×2.66	31.98	1819	130	0.0501
Curlew	1033.5 / 524	54×3.51 / 7×3.51	31.59	1896	158	0.0534
Ortolan	1033.5 / 524	45×3.85 / 7×2.57	30.81	1688	121	0.0540
Tanager	1033.5 / 524	36×4.30 / 1×4.30	30.10	1537	94	0.0546
Cardinal	954 / 483	54×3.38 / 7×3.38	30.42	1752	146	0.0573
Rail	954 / 483	45×3.70 / 7×2.47	29.61	1558	113	0.0585
Catbird	954 / 483	36×4.14 / 1×4.14	28.98	1420	87	0.0589
Canary	900 / 456	54×3.28 / 7×3.28	29.52	1653	138	0.0608
Ruddy	900 / 456	45×3.59 / 7×2.40	28.74	1470	107	0.0621
Mallary	795 / 403	30×4.14 / 19×2.48	28.96	1726	165	0.0668

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced - Technical Table 7

Reference table for preliminary selection and quotation review.

Code Name	Al Size (MCM / mm ²)	Stranding Al / AW	Overall Dia. (mm)	Weight (kg/km)	Rated Strength (kN)	DC Resistance 20°C (Ω/km)
Skylark	1272 / 645	36×4.78 / 1×4.78	33.46	1893	114	0.0442
Grackle	1192.5 / 604	54×3.77 / 19×2.27	33.97	2188	179	0.0463
Bunting	1192.5 / 604	45×4.14 / 7×2.76	33.12	1948	139	0.0467
Finch	1113 / 564	54×3.65 / 19×2.19	32.85	2043	167	0.0494
Bluejay	1113 / 564	45×4.00 / 7×2.66	31.98	1819	130	0.0501
Curlew	1033.5 / 524	54×3.51 / 7×3.51	31.59	1896	158	0.0534
Ortolan	1033.5 / 524	45×3.85 / 7×2.57	30.81	1688	121	0.0540
Tanager	1033.5 / 524	36×4.30 / 1×4.30	30.10	1537	94	0.0546
Cardinal	954 / 483	54×3.38 / 7×3.38	30.42	1752	146	0.0573
Rail	954 / 483	45×3.70 / 7×2.47	29.61	1558	113	0.0585
Catbird	954 / 483	36×4.14 / 1×4.14	28.98	1420	87	0.0589
Canary	900 / 456	54×3.28 / 7×3.28	29.52	1653	138	0.0608
Ruddy	900 / 456	45×3.59 / 7×2.40	28.74	1470	107	0.0621
Mallary	795 / 403	30×4.14 / 19×2.48	28.96	1726	165	0.0668

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced - Technical Table 8

Reference table for preliminary selection and quotation review.

Code Name	Al Size (MCM / mm²)	Stranding Al / AW	Overall Dia. (mm)	Weight (kg/km)	Rated Strength (kN)	DC Resistance 20°C (Ω/km)
Swift	636 / 322	36×3.38 / 1×3.38	23.66	946	61	0.0884
Kingbird	636 / 322 n	18×4.78 / 1×4.78	23.90	1006	67	0.0876
Teal	605 / 307	30×3.61 / 19×2.16	25.24	1314	127	0.0878
Wood Duck	605 / 307	30×3.61 / 7×3.61	25.27	1323	126	0.0876
Squab	605 / 307	26×3.87 / 7×3.01	24.51	1177	105	0.0898
Peacock	605 / 307	24×4.03 / 7×2.69	24.19	1112	93	0.0906
Eagle	556.5 / 282	30×3.46 / 7×3.46	24.22	1217	119	0.0954
Dove	556.5 / 282	26×3.72 / 7×2.89	23.55	1083	97	0.0972
Parakeet	556.5 / 282	24×3.87 / 7×2.58	23.22	1022	86	0.0983
Ospray	556.5 / 282	18×4.47 / 1×4.47	22.35	880	59	0.1002
Hen	477 / 242	30×3.20 / 7×3.20	22.40	1043	104	0.1115
Hawk	477 / 242	26×3.44 / 7×2.68	21.80	929	84	0.1136
Flicker	477 / 242	24×3.58 / 7×2.39	21.49	877	74	0.1148
Pelican	477 / 242	18×4.14 / 1×4.14	20.70	755	51	0.1168

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced - Technical Table 9

Reference table for preliminary selection and quotation review.

Code Name	Al Size (MCM / mm ²)	Stranding Al / AW	Overall Dia. (mm)	Weight (kg/km)	Rated Strength (kN)	DC Resistance 20°C (Ω/km)
Lark	397.5 / 201	30×2.92 / 7×2.92	20.44	869	87	0.1339
Ibis	397.5 / 201	26×3.14 / 7×2.44	19.88	774	70	0.1364
Brant	397.5 / 201	24×3.27 / 7×2.18	19.62	731	63	0.1377
Chickadee	397.5 / 201	18×3.77 / 1×3.77	18.85	628	44	0.1408
Oriole	336.4 / 170	30×2.69 / 7×2.69	18.83	737	74	0.1574
Linnet	336.4 / 170	26×2.89 / 7×2.25	18.31	655	60	0.1609
Merlin	336.4 / 170	18×3.47 / 1×3.47	17.35	531	38	0.1662
Ostrich	300 / 152	26×2.73 / 7×2.12	17.28	583	54	0.1804
Partridge	266.8 / 135	26×2.57 / 7×2.00	16.28	519	48	0.2035
Waxwing	266.8 / 135	18×3.09 / 1×3.09	15.45	421	30	0.2096
Penguin	211.6 / 107	6×4.77 / 1×4.77	14.31	412	34	0.2533
Cochin	211.3 / 107	12×3.37 / 7×3.37	16.85	710	88	0.2258
Brahma	203.2 / 103	16×2.86 / 19×2.48	18.12	894	121	0.2163
Dorking	190.8 / 96.7	12×3.20 / 7×3.20	16.00	641	81	0.2505

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced - Technical Table 10

Reference table for preliminary selection and quotation review.

Code Name	Al Size (MCM / mm ²)	Stranding Al / AW	Overall Dia. (mm)	Weight (kg/km)	Rated Strength (kN)	DC Resistance 20°C (Ω/km)
Dotterel	176.9 / 89.6	12×3.08 / 7×3.08	15.40	594	75	0.2704
Pigeon	167.8 / 85.0	6×4.25 / 1×4.25	12.75	326	28	0.3191
Guinea	159 / 80.6	12×2.92 / 7×2.92	14.60	534	68	0.3008
Leghom	134.6 / 68.2	12×2.69 / 7×2.69	13.45	452	58	0.3545
Quail	133.1 / 67.4	6×3.78 / 1×3.78	11.34	259	23	0.4035
Minorca	110.8 / 56.1	12×2.44 / 7×2.44	12.20	372	48	0.4308
Raven	105.6 / 53.5	6×3.37 / 1×3.37	10.11	205	19	0.5074
Petrel	101.8 / 51.6	12×2.34 / 7×2.34	11.70	342	44	0.4684
Robin	83.69 / 42.4	6×3.00 / 1×3.00	9.00	162	15	0.6403
Grouse	80.00 / 40.5	8×2.54 / 1×4.24	9.32	205	22	0.6359
Sparate	66.36 / 33.6	7×2.47 / 1×3.30	8.24	149	16	0.7874
Sparrow	66.36 / 33.6	6×2.67 / 1×2.67	8.01	129	12	0.8084
Swallow	52.62 / 26.7	6×2.38 / 1×2.38	7.14	103	10	1.0174
Swanate	41.74 / 21.2	7×1.96 / 1×2.61	6.53	93	10	1.2511

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced - Technical Table 11

Reference table for preliminary selection and quotation review.

Code No.	Steel Ratio (%)	Area Al / AW / Total (mm ²)	Stranding Al / AW	Overall Dia. (mm)	Linear Mass (kg/km)	Rated Strength (kN)	DC Resistance 20°C (Ω/km)
25/4	16.7	24.1 / 4.01 / 28.1	6×2.26 / 1×2.26	6.78	94.7	9.87	1.1476
40/5	16.7	38.3 / 6.38 / 44.7	6×2.85 / 1×2.85	8.55	150.6	15.50	0.7216
50/8	16.7	48.3 / 8.04 / 56.3	6×3.20 / 1×3.20	9.60	189.8	19.06	0.5724
60/10	16.7	60.4 / 10.1 / 70.5	6×3.58 / 1×3.58	10.7	237.6	23.15	0.4573
70/10	16.7	68.0 / 11.3 / 79.3	6×3.80 / 1×3.80	11.4	267.7	26.08	0.4059
70/40	58.3	69.7 / 40.7 / 110	12×2.72 / 7×2.72	13.6	484.2	69.21	0.3645
95/15	16.7	95.9 / 16.0 / 112	6×4.51 / 1×4.51	13.5	377.1	36.74	0.2882
95/55	58.3	96.5 / 56.3 / 153	12×3.20 / 7×3.20	16.0	670.2	93.61	0.2633
120/7	5.6	119 / 6.61 / 125	18×2.90 / 1×2.90	14.5	374.6	29.53	0.2391
ACSR/AW 120/70	58.3	124 / 71 / 193	12×3.60 / 7×3.60	18.0	848.2	115.0	0.2081
150/8	5.6	145 / 8.04 / 153	18×3.20 / 1×3.20	16.0	456.2	34.98	0.1964
150/35	23.3	147 / 34.4 / 182	30×2.50 / 7×2.50	17.5	653.3	74.22	0.1861
185/10	5.6	183 / 10.2 / 193	18×3.60 / 1×3.60	18.0	577.3	42.95	0.1552
185/30	16.3	181 / 29.6 / 211	26×2.98 / 7×2.32	18.9	712.9	72.55	0.1534
185/45	23.3	185 / 43.1 / 228	30×2.80 / 7×2.80	19.6	819.5	92.18	0.1483

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced - Technical Table 12

Reference table for preliminary selection and quotation review.

Code No.	Steel Ratio (%)	Area AI / AW / Total (mm ²)	Stranding AI / AW	Overall Dia. (mm)	Linear Mass (kg/km)	Rated Strength (kN)	DC Resistance 20°C (Ω/km)
200/10	5.6	198 / 11.0 / 209	18×3.74 / 1×3.74	18.7	623.1	46.36	0.1438
200/30	16.3	192 / 31.4 / 224	26×3.07 / 7×2.39	19.5	756.6	76.04	0.1445
210/10	5.6	204 / 11.3 / 215	18×3.80 / 1×3.80	19.0	643.3	47.86	0.1393
210/35	16.2	212 / 34.4 / 246	26×3.22 / 7×2.50	20.4	831.1	83.38	0.1314
210/50	23.3	209 / 48.8 / 258	30×2.98 / 7×2.98	20.9	928.3	104.4	0.1310
240/30	13.0	244 / 31.7 / 276	24×3.60 / 7×2.40	21.6	901.1	83.74	0.1146
240/40	16.3	239 / 38.9 / 278	26×3.42 / 7×2.66	21.7	938.5	94.26	0.1165

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced - Technical Table 13

Reference table for preliminary selection and quotation review.

Code No.	Steel Ratio (%)	Area Al / AW / Total (mm ²)	Stranding Al / AW	Overall Dia. (mm)	Linear Mass (kg/km)	Rated Strength (kN)	DC Resistance 20°C (Ω/km)
240/55	23.3	241 / 56.3 / 298	30×3.20 / 7×3.20	22.4	1070.4	117.5	0.1136
250/25	9.8	244 / 24.0 / 268	22×3.76 / 7×2.09	21.3	846.0	72.95	0.1154
250/40	16.3	240 / 39.2 / 279	26×3.43 / 7×2.67	21.7	944.4	94.90	0.1158
300/25	8.8	306 / 27.1 / 333	48×2.85 / 7×2.22	23.8	1040.5	90.26	0.0925
300/40	13.0	300 / 38.9 / 339	24×3.99 / 7×2.66	23.9	1106.9	102.9	0.0933
300/50	16.3	300 / 48.8 / 348	26×3.83 / 7×2.98	24.3	1177.2	116.8	0.0929
300/70	23.3	305 / 71.3 / 377	30×3.60 / 7×3.60	25.2	1354.7	144.3	0.0897
385/50	13.0	387 / 50.1 / 437	54×3.02 / 7×3.02	27.2	1429.5	133.0	0.0726

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced - Technical Table 14

Reference table for preliminary selection and quotation review.

Code No.	Steel Ratio (%)	Area Al / AW / Total (mm ²)	Stranding Al / AW	Overall Dia. (mm)	Linear Mass (kg/km)	Rated Strength (kN)	DC Resistance 20°C (Ω/km)
400/35	8.8	391 / 34.4 / 425	48×3.22 / 7×2.50	26.8	1326.6	112.9	0.0724
400/50	13.0	400 / 51.8 / 452	54×3.07 / 7×3.07	27.6	1477.2	137.5	0.0702
400/65	16.3	399 / 65.1 / 464	26×4.42 / 7×3.44	28.0	1568.1	153.6	0.0697
400/95	31.8	408 / 93.3 / 501	30×4.16 / 19×2.50	29.1	1797.8	196.7	0.0673

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced - Technical Table 15

Reference table for preliminary selection and quotation review.

Code No.	Steel Ratio (%)	Area Al / AW / Total (mm ²)	Stranding Al / AW	Overall Dia. (mm)	Linear Mass (kg/km)	Rated Strength (kN)	DC Resistance 20°C (Ω/km)
15/3	16.7	15.4 / 2.57 / 18.0	6×1.81 / 1×1.81	5.43	59.3	5.94	1.7594
25/4	16.7	24.1 / 4.01 / 28.1	6×2.26 / 1×2.26	6.78	92.5	9.03	1.1285
40/5	16.7	38.3 / 6.38 / 44.7	6×2.85 / 1×2.85	8.55	147.1	14.16	0.7096
50/8	16.7	48.3 / 8.04 / 56.3	6×3.20 / 1×3.20	9.60	185.4	17.61	0.5629
60/10	16.7	60.4 / 10.1 / 70.5	6×3.58 / 1×3.58	10.7	232.1	21.14	0.4497
70/10	16.7	68.0 / 11.3 / 79.3	6×3.80 / 1×3.80	11.4	261.5	23.36	0.3992
70/40	58.3	69.7 / 40.7 / 110	12×2.72 / 7×2.72	13.6	461.8	60.66	0.3458
95/15	16.7	95.9 / 16.0 / 112	6×4.51 / 1×4.51	13.5	368.3	31.79	0.2834
95/20	19.8	95.1 / 18.8 / 114	7×4.16 / 7×1.85	13.9	386.0	37.80	0.2831
95/55	58.3	96.5 / 56.3 / 153	12×3.20 / 7×3.20	16.0	639.1	83.48	0.2498
120/7	5.6	119 / 6.61 / 125	18×2.90 / 1×2.90	14.5	371.0	28.14	0.2378
120/20	16.3	121 / 19.6 / 140	26×2.43 / 7×1.89	15.4	462.9	44.67	0.2269
120/25	19.8	122 / 24.2 / 147	7×4.72 / 7×2.10	15.7	497.1	48.69	0.2199
120/70	58.3	122 / 71.3 / 193	12×3.60 / 7×3.60	18.0	808.9	100.8	0.1974
150/8	5.6	145 / 8.04 / 153	18×3.20 / 1×3.20	16.0	451.7	33.54	0.1953

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced - Technical Table 16

Reference table for preliminary selection and quotation review.

Code No.	Steel Ratio (%)	Area AI / AW / Total (mm ²)	Stranding AI / AW	Overall Dia. (mm)	Linear Mass (kg/km)	Rated Strength (kN)	DC Resistance 20°C (Ω/km)
150/20	12.9	146 / 18.8 / 164	24×2.78 / 7×1.85	16.7	526.5	47.34	0.1898
150/25	16.3	149 / 24.2 / 173	26×2.70 / 7×2.10	17.1	571.5	54.40	0.1838
150/35	23.3	147 / 34.4 / 182	30×2.50 / 7×2.50	17.5	634.3	67.00	0.1818
155/25	16.3	153 / 24.9 / 178	26×2.74 / 7×2.13	17.4	588.4	55.99	0.1785
185/10	5.6	183 / 10.2 / 193	18×3.60 / 1×3.60	18.0	571.7	40.92	0.1543

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced - Technical Table 17

Reference table for preliminary selection and quotation review.

Code No.	Steel Ratio (%)	Area Al / AW / Total (mm ²)	Stranding Al / AW	Overall Dia. (mm)	Linear Mass (kg/km)	Rated Strength (kN)	DC Resistance 20°C (Ω/km)
185/25	13.0	187 / 24.2 / 211	24×3.15 / 7×2.10	18.9	676.5	59.96	0.1478
185/30	16.3	181 / 29.6 / 211	26×2.98 / 7×2.32	18.9	696.6	66.34	0.1509
185/45	23.3	185 / 43.1 / 228	30×2.80 / 7×2.80	19.6	795.7	83.13	0.1449
200/10	5.6	198 / 11.0 / 209	18×3.74 / 1×3.74	18.7	617.1	43.72	0.1429
200/30	16.3	192 / 31.4 / 224	26×3.07 / 7×2.39	19.5	739.3	69.44	0.1422
210/10	5.6	204 / 11.3 / 215	18×3.80 / 1×3.80	19.0	637.0	45.14	0.1385
210/25	13.0	209 / 27.1 / 236	24×3.33 / 7×2.22	20.0	756.1	67.00	0.1322
210/35	16.2	212 / 34.4 / 246	26×3.22 / 7×2.50	20.4	812.1	76.17	0.1293
210/50	23.3	209 / 48.8 / 258	30×2.98 / 7×2.98	20.9	901.3	94.16	0.1280
240/30	13.0	244 / 31.7 / 276	24×3.60 / 7×2.40	21.6	883.6	77.09	0.1131

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced - Technical Table 18

Reference table for preliminary selection and quotation review.

Code No.	Steel Ratio (%)	Area Al / AW / Total (mm ²)	Stranding Al / AW	Overall Dia. (mm)	Linear Mass (kg/km)	Rated Strength (kN)	DC Resistance 20°C (Ω/km)
240/40	16.3	239 / 38.9 / 278	26×3.42 / 7×2.66	21.7	917.0	86.09	0.1146
240/55	23.3	241 / 56.3 / 298	30×3.20 / 7×3.20	22.4	1039.3	107.4	0.1110
250/25	9.8	244 / 24.0 / 268	22×3.76 / 7×2.09	21.3	832.7	67.90	0.1143
250/40	16.3	240 / 39.2 / 279	26×3.43 / 7×2.67	21.7	922.8	86.67	0.1139
300/15	5.2	297 / 15.3 / 312	42×3.00 / 7×1.67	23.0	921.8	68.87	0.0957
300/20	6.9	303 / 20.9 / 324	45×2.93 / 7×1.95	23.4	976.8	76.67	0.0931
300/25	8.8	306 / 27.1 / 333	48×2.85 / 7×2.22	23.8	1025.6	84.57	0.0916
300/40	13.0	300 / 38.9 / 339	24×3.99 / 7×2.66	23.9	1085.5	94.69	0.0921
300/50	16.3	300 / 48.8 / 348	26×3.83 / 7×2.98	24.3	1150.3	106.5	0.0913
300/70	23.3	305 / 71.3 / 377	30×3.60 / 7×3.60	25.2	1315.4	130.1	0.0877
310/20	6.9	310 / 21.3 / 331	45×2.96 / 7×1.97	23.7	996.9	78.25	0.0912
395/25	6.9	394 / 27.1 / 421	45×3.34 / 7×2.22	26.7	1268.8	97.6	0.0716
385/50	13.0	387 / 50.1 / 437	54×3.02 / 7×3.02	27.2	1401.8	124.0	0.0716
400/20	5.1	406 / 20.9 / 427	42×3.51 / 7×1.95	26.9	1261.4	90.11	0.0699
400/25	6.9	392 / 27.1 / 419	45×3.33 / 7×2.22	26.6	1262.3	97.2	0.0720

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced - Technical Table 19

Reference table for preliminary selection and quotation review.

Code No.	Steel Ratio (%)	Area Al / AW / Total (mm ²)	Stranding Al / AW	Overall Dia. (mm)	Linear Mass (kg/km)	Rated Strength (kN)	DC Resistance 20°C (Ω/km)
400/35	8.8	391 / 34.4 / 425	48×3.22 / 7×2.50	26.8	1307.6	105.7	0.0718
400/50	13.0	400 / 51.8 / 452	54×3.07 / 7×3.07	27.6	1448.6	128.1	0.0693
400/65	16.3	399 / 65.1 / 464	26×4.42 / 7×3.44	28.0	1532.2	140.6	0.0686
400/95	31.8	408 / 93.3 / 501	30×4.16 / 19×2.50	29.1	1746.1	177.2	0.0658
440/30	6.9	443 / 30.6 / 474	45×3.54 / 7×2.36	28.3	1426.5	107.6	0.0637
435/35	13.0	437 / 56.6 / 494	54×3.21 / 7×3.21	28.9	1583.7	140.1	0.0634
490/35	6.9	492 / 34.1 / 526	45×3.73 / 7×2.49	29.9	1584.4	119.6	0.0574
485/60	13.0	485 / 62.8 / 547	54×3.38 / 7×3.38	30.4	1755.9	154.1	0.0572
550/40	6.9	551 / 38.0 / 589	45×3.95 / 7×2.63	31.6	1775.5	133.9	0.0512
545/70	12.7	544 / 69.0 / 613	54×3.58 / 19×2.15	32.2	1961.6	169.7	0.0510
620/40	6.9	620 / 42.8 / 663	45×4.19 / 7×2.79	33.5	1997.8	150.6	0.0455
610/75	12.7	609 / 77.6 / 687	54×3.79 / 19×2.28	34.1	2200.2	190.6	0.0455
630/45	6.9	623 / 43.1 / 667	45×4.20 / 7×2.80	33.6	2008.0	151.5	0.0453
630/55	8.8	640 / 56.3 / 696	48×4.12 / 7×3.20	34.3	2141.0	169.9	0.0438
700/50	6.9	697 / 48.2 / 745	45×4.44 / 7×2.96	35.5	2244.1	169.3	0.0405

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced - Technical Table 20

Reference table for preliminary selection and quotation review.

Code No.	Steel Ratio (%)	Area Al / AW / Total (mm ²)	Stranding Al / AW	Overall Dia. (mm)	Linear Mass (kg/km)	Rated Strength (kN)	DC Resistance 20°C (Ω/km)
700/85	12.7	689 / 87.4 / 776	54×4.03 / 19×2.42	36.3	2485.6	215.1	0.0403
720/50	6.9	725 / 50.1 / 775	45×4.53 / 7×3.02	36.2	2337.9	176.2	0.0390
790/35	4.3	791 / 34.1 / 825	72×3.74 / 7×2.49	37.4	2413.2	159.1	0.0360
785/65	8.3	785 / 65.4 / 851	84×3.45 / 7×3.45	38.0	2606.6	196.4	0.0358
775/100	12.7	777 / 98.6 / 875	54×4.28 / 19×2.57	38.5	2803.4	242.6	0.0357
800/55	6.9	814 / 56.3 / 871	45×4.80 / 7×3.20	38.4	2622.7	197.8	0.0347