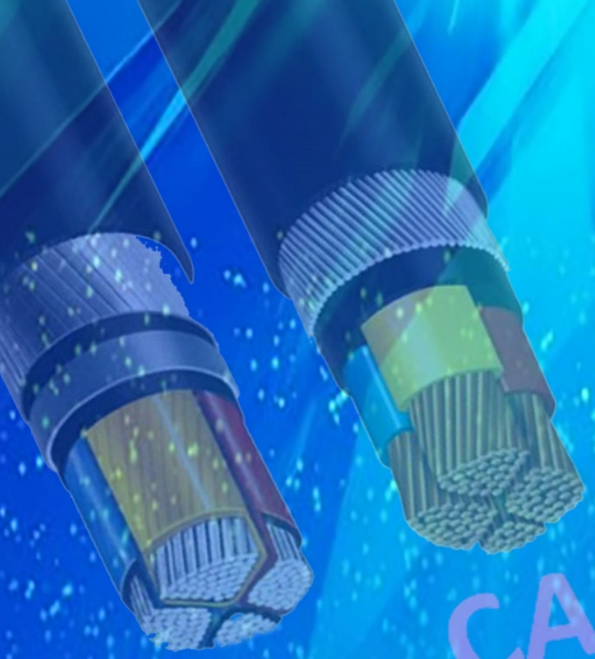
ASIA CABLES

شركة آسيا لإنتاج الكابلات والاسلاك



المصنع : العراق / كربلاء / المدينة الصناعية / طريق الحج البري

Factory :Iraq / Karabla / Industrial City / Haj Road

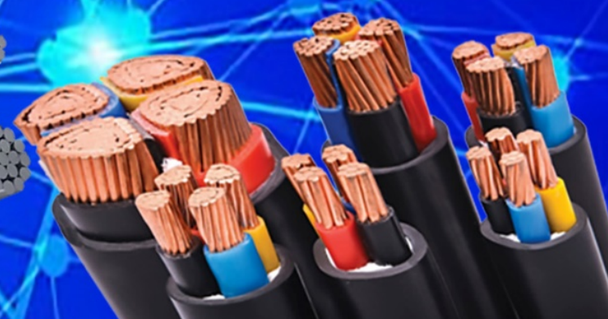
المبيعات : العراق / كربلاء / حي الحسين / شارع المصلحة

Sales Office : Iraq / Karbala / Al Hussien District / Al Maslaha St.

Sales E mail : sales@asia-cables.com

Tel : +964 7850011065 & +964 7750011065

Web : www.asia-cables.com E mail : info@asia-cables.com



ASIA CABLES


Zakho
DAHUK
Dahuk
Aqrah
Sinjar
Tall Afar
Mosul
ARBIL
Arbil
AS SULAYMANIYAH
NINAWA
As Sulaymaniyah
Kirkuk
AT TA'MIM
Halabja
Bayji
SALAH
Tikrit
Al Qaim
AD DIN
Khanaqin
Hadithah
Samarra
DIYALA
Akashat
Hit
Mandali
Baqubah
Ar Ramadi
Al Fallujah
Baghdad
BAGHDAD
Ar Rujbah
AL ANBAR
Karbala
WASIT
KARBALA
Al Kut
Al Hayy
An Nukhayb
An Najaf
Al Amarah
MAYSAN
As Samawah
AN NAJAF
DHIQAR
An Nasiryah
Al Basrah
Az Zubayr
As Salman
AL MUTHANNA
AL BASRAH
Al Busayyah

Hard - drawn aluminum stranded conductors for overhead power transmission (AAC)

Standard DIN 48201 & IEC 61089

NO	Nominal area	Number and diameter of WIRES	Approximate overall diameter	Calculated breaking load	Calculated resistance at 20 °C	Standard WIGHT	Length
	mm^2	mm	mm	KN	Ohm/km	Kg. /Km	M
1	16	7 / 1.70	5.1	2.84	1.802	43	4000
2	25	7 / 2.10	6.3	4.17	1.181	66	4000
3	35	7 / 2.50	7.5	5.78	0.833	94	4000
4	50	7/ 3.00	9.0	7.94	0.579	135	4000
5	50	19 / 1.80	9.0	8.45	0.592	133	3000
6	70	7 / 3.50	10.5	11.00	0.425	184	2000
7	70	19 / 2.10	10.5	11.32	0.437	181	2000
8	95	19 /2.50	12.5	15.68	0.308	256	2000
9	120	19 / 2.80	14.0	18.78	0.246	322	2000
10	150	37/2.25	15.7	25.30	0.196	406	2000
11	185	37 / 2.50	17.5	30.54	0.159	500	2000
12	240	61 / 2.25	20.2	39.51	0.119	670	2000
13	300	61 /2.50	22.5	47.70	0.0963	827	2000
14	400	61 /2.89	26.0	60.86	0.0720	1104	2000
15	500	61 /3.23	29.1	74.67	0.0577	1379	2000

AAC

AAC TS EN 50182
(TS IEC 61089)

All Aluminum Conductor Technical Specifications

Related Standard: TS EN 50182 (TS IEC 61089)

AAC Aluminum Conductors

GENERAL INFORMATION:
AAC conductors are composed of several Wires stranded over each layer. All wires have same outer diameter. Most common AAC conductors are composed of 7.19.37 and 61 WIRES
AAC Conductors that are used for insulated Cables as compacted will be composed of various number of wires.

APPLICATION:
*Substation
*Electricity Distribution Lines
*Insulated Cables as Cable core

CODE NUMBER mm²	CODE NUMBER		CROSS SECTIONAL AREA		NUMBER and DIAMETER of WIRES		OVERALL DIAMETER mm	RATED BREAKING STRENKING	D.C. RESISTANCE	UNIT WIGHT	CURRENT Carrying CAPACITY
	CODE	SECTION	TOTAL CONDUCTOR mm²	COOPPER EQUIVELANT mm²	NUMBER	DIAMETER					
21	ROSE	4	21.1	13.3	7	2.0	5.9	416	1.356	58	104
27	LILY	3	26.6	16.7	7	2.2	6.6	514	1.078	73	124
34	IRIS	2	33.5	21.1	7	2.5	7.4	367	0.854	92	136
42	PANS	1	42.5	26.7	7	2.8	8.3	777	0.674	117	157
53	POPY	1/0	53.5	33.6	7	3.1	9.4	941	0.535	147	180
67	ASTER	2/0	67.1	42.2	7	3.5	10.5	1185	0.425	184	207
126	VALERIAN	250000	126.4	79.5	19	2.9	14.6	2261	0.228	348	305
135	DAISY	266800	135.3	85.1	19	3.0	15.1	2421	0.213	372	313
152	PEONY	300000	151.3	95.5	19	3.2	16.0	2671	0.190	418	340

AAC

AAC ASTM-8 231

All Aluminum Conductor Technical Specifications

Related Standard: ASTM - B 231 & IEC 61089

CODE	SIZE	STRANDING NO x Ø mm	SECTION	OV. DIAMETER	Cable WIGHT	NOMINAL BREAKING LOAD	ELECTRICAL RESISTANCE			CURRENT CARYING CAPACITY (1) A
							D.C.20°C W/km	A.C.		
	AWG·MCM	mm	mm^2	mm	KG/KM	KN		C.C 25°C W/km	C.C 75°C W/km	
ROSE	4	7x1.96	21.1	5.9	58	3.92	1.364	1.391	1.666	145
IRIS	2	7x2.47	33.5	7.4	93	6.01	0.857	0.855	1.049	195
PANSY	1	7x2.78	42.5	8.3	117	7.30	0.680	0.694	0.831	225
POPY	1/0	7x3.12	53.5	9.4	148	8.86	0.539	0.550	0.659	260
ASTER	2/0	7x3.50	67.3	10.5	186	11.17	0.428	0.437	0.523	305
PHLOX	3/0	7x3.93	84.9	11.8	234	13.35	0.339	0.347	0.415	350
Oxlip	4/0	7x4.42	107.4	13.3	296	17.05	0.269	0.275	0.329	410
Valerian	250	17x2.91	126.4	14.6	349	20.74	0.227	0.232	0.278	455
LAUREL	266.8	19x3.01	135.2	15.1	328	22.12	0.213	0.218	0.261	475
PEONY	300	19x3.19	151.9	16.0	419	24.38	0.190	0.195	0.232	515
TULIP	336.4	19x3.38	170.9	16.9	470	27.37	0.169	0.173	0.208	555
Daffodil	350	19x3.45	177.6	17.3	489	28.45	0.163	0.167	0.200	565
CANNA	397.5	19x3.68	202.1	18.4	55	31.64	0.143	0.146	0.166	615
GOLDENTUFT	450	19x3.91	228.1	19.6	683	35.11	0.126	0.130	0.156	665
Syringa	500	37x2.95	241.0	20.2	666	38.67	0.119	0.122	0.147	690
Hyacinth	556.5	37x2.95	252.9	20.7	690	40.54	0.114	0.117	0.137	715
Mistletoe		37x3.11	281.1	21.8	777	44.25	0.102	0.109	0.126	765
MEADOWSWE	600	37x3.23	303.2	22.6	838	47.62	0.095	0.098	0.012	800
Orchid	636	37x3.33	322.2	23.3	888	50.73	0.089	0.093	0.111	835
HEUCHERA	650	37x3.37	320.0	23.6	908	51.84	0.087	0.091	0.109	855
VERBANA	700	37x3.49	354.0	24.4	978	55.63	0.081	0.085	0.101	880
FLAG	700	61x2.72	354.5	24.5	978	57.42	0.081	0.083	0.098	900
Violet	715	37x3.53	362.1	24.7	1000	56.96	0.080	0.083	0.098	900

AAC

AAC TS EN 50182 (TS IEC 61089)

All Aluminum Conductor Technical Specifications

Related Standard: ASTM - B 231 & IEC 61089

CODE	SIZE	STRANDING NO xØmm	SECTION	DV.DIAMETER	Cable WIGHT	NOMINAL BREAKING LOAD	ELECTRICAL RESISTANCE			CURRENT CARYING CAPACITY (1) A
							D.C.20° C W/km	A.C.		
KOD	AWG·MCM	mm	mm^2	mm	KG/KM	KN		C.C 25 °C W/km	C.C 75°C W/km	
PETTUNA	750	37*3.62	380.8	25.3	1048	58.30	0.076	0.079	0.094	922
CATTAIL	750	61*3.82	381.0	25.4	1048	60.08	0.076	0.079	0.094	922
ARBUTUIS	795	37*3.72	402.1	26.0	1111	61.86	0.072	0.075	0.089	960
LILIAC	795	61*2.90	402.0	26.1	1111	63.65	0.072	0.075	0.089	960
FUCHSIA	800	37*3.75	408.7	26.3	1115	62.30	0.071	0.074	0.088	960
HELIOTROPE	800	61*2.92	408.7	26.3	1115	64.08	0.071	0.074	0.088	960
ANEMONE	874.5	37*3.91	444.3	27.4	1222	66.75	0.065	0.684	0.081	1020
CROCUS	874.5	61*3.04	444.3	27.4	1222	70.31	0.065	0.068	0.081	1020
SNAPDRAGON	900	61* 3.09	457.4	27.8	1257	70.76	0.063	0.067	0.079	1040
GALOENGON	954	61*3.18	484.5	28.6	1333	75.22	0.060	0.063	0.075	1080
CAMELLA	1000	61* 3.25	506.0	29.3	1397	78.77	0.057	0.060	0.071	1110
LARKSPUR	1033.5	61*3.31	524.9	29.8	1444	81.45	0.055	0.058	0.069	1350
MARIGOLD	1272	61*3.43	563.6	30.0	1555	87.67	0.051	0.055	0.064	1190
HAWTHORN	1192.5	61*3.55	603.8	32.0	1665	93.90	0.048	0.051	0.060	1240

AAC

EN 50182
(AAC DIN 48201)

All Aluminum Conductor Technical Specifications

Related Standard: DIN 48201 (old code) EN 50181 (new code) IEC61089

CODE	NEW CODE	SECTION	COMPOSITION		DIAMETER	RATED STRENGHT KN	ELECTRICAL RESISTANCE Ω/KN	Cable WIGHT Kg/km	Current Carrying CAPACITY 1(A)
		mm²	NO	Ø mm					
16	16-AL1	15.89	7	1.70	5.1	2.84	1.802	43.4	110
25	24-AL1	24.25	7	2.10	6.3	4.17	1.181	66.3	145
35	34-AL1	34.46	7	2.50	7.5	5.74	0.833	93.9	180
50	49-AL1	49.48	7	3.00	9.0	7.95	0.579	135.2	225
50	48AL1	48.36	19	1.80	9.0	8.44	0.595	132.9	225
70	66-A L1	65.82	19	2.10	10.5	11.25	0.437	180.9	270
95	93-A L1	93.27	19	2.50	12.5	15.65	1.309	256.3	340
120	117-A L1	117	19	2.80	14.0	18.75	0.246	321.5	390
150	147-A L1	147.1	37	2.25	15.7	25.25	0.196	405.7	455
185	182-A L1	181.6	37	2 50	175	30 45	0 159	500.9	520
240	243-AL 1	242.5	61	2.25	20.2	30.35	0.119	871.1	625
300	299-AL1	299.4	61	2.50	22.5	47.55	0.097	828.5	710
400	400-AL 1	400.1	61	2.89	26.0	60.70	0.072	1107.1	855
500	500-AL 1	499.8	61	3.23	29.1	74.50	0.058	1382.9	990

Aluminum stranded conductors steel reinforced for overhead power transmission (ACSR)
DIN 48204. IEC 61089 standard

NO.	Nominal area	Number and Diameter of AL WIRES	Number and diameter Of Steel WIRES	Approximate overall diameter	Calculated breaking load	Calculated resistance at 20 °C	Standard WIGHT	Length
	mm^2	mm	mm	mm	KN	Ohm/km	Kg./km	M
1	16 / 2.5	6 / 1.80	1 / 1.80	5.4	5.95	1.877	62	4000
2	25 / 4	6 / 2.25	1 / 2.25	6.8	9.20	1.206	97	4000
3	35 / 6	6 / 2.70	1 / 2.70	8.1	12.65	0.838	140	4000
4	44 / 32	14 / 2.00	7 / 2.40	11.2	45.0	0.654	372	4000
5	50 / 8	6 / 3.20	1 / 3.20	9.6	17.1	0.594	196	4000
6	50 / 30	12 / 2.33	7 / 2.33	11.7	43.8	0.563	378	4000
7	70 / 12	26 / 1.85	7 / 1.44	11.7	26.8	0.412	248	3000
8	95 / 15	26 / 2.15	7 / 1.67	13.6	35.8	0.304	385	2000
9	95 / 55	12 / 3.20	7 / 3.20	16.0	79.4	0.299	712	2000
10	105 / 75	14 / 3.10	19 / 2.25	17.5	108.5	0.273	891	2000
1 1	120 / 20	26 / 2.44	7 / 1.90	15.5	45.7	0.237	494	2000
12	120 / 70	12 / 3.6	7 / 3.60	18.0	100.0	0.236	901	2000
13	125 / 30	30 / 2.33	7 / 2.33	16.1	57.6	0.225	591	2000
14	150 / 25	26 / 2.70	7 / 2.10	17.1	55.3	0.194	605	2000
15	170 / 40	30 / 2.70	7 / 2.70	18.9	76.8	0.168	794	2000
16	185 / 30	26 / 3.00	7 / 2.33	19.0	66.2	0.157	746	2000
17	210 / 35	26 / 3.20	7 / 2.49	20.3	74.9	0.138	850	2000
18	210 / 50	30 / 3.00	7 / 3.00	21.0	93.9	0.136	981	2000
19	230 / 30	24 / 3.50	7 / 2.33	21.0	73.1	0.125	877	2000
20	240 / 40	26 / 3.45	7 / 2.68	21.9	83.1	0.119	1002	2000

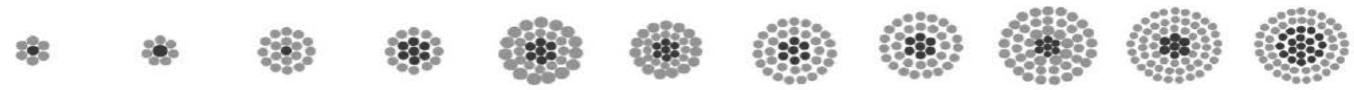
Aluminum Stranded conductors steel reinforced for overhead power transmissions (ACSR)
Standard DIN 48294 & IEC 61089

NO.	Nominal area	Number and Diameter of AL WIRES	Number and diameter Of Steel WIRES	Approximate overall diameter	Calculated braking load	Calculated resistance at 20 °C	Standard WIGHT	Length
	mm^2	mm	mm	mm	KN	Ohm/km	Kg. /Km	M
1	265 / 35	24/3.74	7/2.49	22.4	83.1	0.1093	1002	2000
2	300 / 50	26/3.86	7/3.00	24.5	107.0	0.0947	1236	2000
3	305/40	54/2.68	7/2.68	24.1	99.4	0.0947	1160	2000
4	340/30	48/3.00	7/2.33	25.0	92.9	0.0850	1.180	2000
5	380/35	54/3.00	7/3.00	27.0	123.1	0.0775	1453	2000
6	385/55	48/3.20	7/2.49	26.7	104.8	0.0747	1344	2000
7	435/40	54/3.20	7/3.20	28.8	136.5	0.0664	1653	2000
8	450/40	48/3.45	7/2.68	28.7	120.8	0.0643	1561	2000
9	490165	54/3.40	7/3.40	30.6	153.1	0.0588	1866	2000
10	495/35	45/3.74	7/2.49	29.9	121.8	0.0583	1646	2000
11	510/45	48/3.68	7/2.87	30.7	136.7	0.0565	1778	2000
12	550170	54/3.60	7/3.60	32.4	170.6	0.0524	2092	2000
13	97/56 DORKING	12/3.20	7/3.20	16	78.8	0.2988	707	2000
14	307170 TEAL	30/3.61	19/2.16	25.24	133.59	0.0947	1398	2000
15	201/47 LARK	30/2.92	7/2.92	20.44	88.8	0.1433	923	2000
16	429/56 ZEBRA	54/3.18	7/3.18	28.62	131.90	0.0674	1621	2000

ACSR

TS EN 50182 (TS IEC 61089)

Aluminum Conductors Steel Reinforced Technical Specifications



APPLICATION:
*Substation
*Electricity transmissions Lines

Code Number	Canadian Standard		Section				Dia and no of WIRES				Overall		Rated Strength Kg	D.C. Resistance 20 °c Ohm /km	UNIT WIGHT				Total WIG
							Aluminum		Steel										
	Type	Section AWG	Al mm²	Steel mm²	Total mm²	Cupper Equivalent mm²	No Of WIRES	Wire Diameter	No Of WIRES	Wire Diameter	Steel Core	Total Conductor			Al kg/Km	Steel Kg/Km	Total Kg/Km	AL%	Steel %
17 / 3	Tuhrus	5	16.83	2.8	19.63	10.6	6	1.89	1	1.89	1.89	5.67	655	1.075	46	22	68	67.9	32.1
21 / 4	Swan	4	21.18	3.53	24.71	13.3	6	2.12	1	2.12	2.12	6.36	831	1.355	58	28	86	67.9	32.1
27 / 4	Swallow	3	26.69	4.45	31.14	16.8	6	2.38	1	2.38	2.38	7.14	1023	1.074	73	35	108	67.9	32.1
34 / 6	Sparrow	2	33.59	5.6	39.19	21.1	6	2.67	1	2.67	2.67	8.01	1264	0.854	92	44	136	67.9	32.1
42 / 7	Robin	1	42.41	7.07	49.48	26.7	6	3.00	1	3.00	3.00	9.00	1579	0.677	116	55	171	67.9	32.1
54 / 9	Rawen	1/0	53.52	8.92	62.44	33.7	6	3.37	1	3.37	3.37	10.11	1945	0.536	147	69	216	67.9	32.1
135/7	Waxwing	266800	134.98	7.5	142.48	84.9	18	3.09	1	3.09	3.09	15.45	3220	0.213	372	58	430	86.4	13.6
135 / 22	Partridge	266800	134.87	21.99	156.86	84.8	26	2.57	7	2.00	6.00	16.28	5099	0.214	372	172	544	68.5	31.5
152 / 8	Pheobe	300000	152.09	8.45	160.54	95.6	18	3.28	1	3.28	3.28	16.40	3628	0.190	419	66	485	86.4	13.6
152 / 25	Ostrich	300000	152.19	24.71	174.9	65.7	26	2.73	7	2.12	6.36	17.28	5736	0.190	420	193	613	68.5	31.5
242 / 39	Hawk	477000	241.65	39.19	280.84	152	26	3.44	7	2.67	8.01	21.77	8798	0.120	667	306	973	68.5	31.5
485 / 63	Cardinal	954000	484.53	62.81	574.34	304.7	54	3.38	7	3.38	10.14	30.42	15589	0.060	1340	490	1830	73.2	26.8

ACSR

ASTM - B 232

Aluminum Conductors Steel Reinforced Technical Specifications

SIZE AWG-Code MCM		Stranding N x Ø mm		Section mm²		Diameter mm Overall		Cable WIGHT kg/km			ELECTRICAL Resistance Ω/km				
		Aluminum	Steel	Total	Aluminum	Total	Core	Total	Aluminum	Steel	Rated Strength KN	D.C.20°C	D.C.25°C	A.C.70°C	Current Carrying Capacity 1(A)
Turkey	6	6x1.68	6x1.68	15.5	13.3	5.04	1.68	53.80	36.50	17	5.30	2.114	2.150	2.685	110
Swan	4	6x2.12	1x2.12	24.7	21.2	6.36	2.12	85.40	58.00	27	8.28	1.328	1.354	1.717	145
Swanate	4	7x1.96	1x2.61	26.5	21.1	6.53	2.61	99.70	58.00	41	10.50	1.131	1.339	1.738	145
Sparrow	2	6x2.67	1x2.61	39.2	33.6	8.01	2.67	135.9	92.3	44	12.68	0.834	0.853	1.108	195
Sparate	2	7x2.47	1x3.30	42.1	33.5	5.24	3.30	158.80	92.30	67	6.20	0.825	0.844	1.118	195
Robin	1	6x3.00	1x3.00	49.5	42.4	9.00	3.00	171.40	116.40	55	15.80	0.662	0.677	0.891	200
Raven	1/0	6x3.37	1x3.37	62.4	53.5	10.11	3.37	216.10	146.70	69	19.49	0.524	0.537	0.717	255
Waxwing	266.8	18x3.09	1x3.09	142.5	135.0	15.45	3.09	431.60	372.90	59	30.62	0.212	0.217	0.260	480
Partridge	266.8	26x2.57	7x2.00	156.9	134.9	16.28	6.00	546.10	374.30	172	50.28	0.21	0.217	0.257	490
Orstrich	300	26x2.73	7x2.12	176.9	152.2	17.28	6.36	614.60	421.30	193	56.52	0.187	0.191	0.228	530
Merlin	336.4	18x3.47	1x3.47	179.7	170.2	17.35	3.47	543.20	469.70	74	38.36	0.168	0.172	0.206	560
Linnet	336.4	26x2.89	7x2.25	198.4	170.6	18.31	6.75	689.00	472.20	217	62.75	0.166	0.167	0.204	570
Oriole	336.4	30x2.69	7x2.69	210.3	170.5	18.83	8.07	784.30	473.20	311	76.98	0.165	0.169	0.202	575
Brant	397.5	24x3.27	7x2.18	227.7	201.6	19.62	6.54	762.00	558.10	204	64.97	0.142	0.145	0.173	630
Ibis	397.5	36x3.14	7x2.44	234.0	201.3	19.88	7.32	814.00	558.20	256	72.53	0.141	0.144	0.173	635
Lark	397.5	30x2.92	7x2.92	247.8	200.9	20.44	8.76	927.10	555.10	372	90.30	0.140	0.143	0.172	645
Flicker	477	24x3.58	7x2.39	278.0	241.6	21.19	7.17	915.20	670.10	245	76.54	0.118	0.121	0.144	710
Hawk	477	26x3.44	7x2.67	280.8	241.6	21.77	8.01	977.70	669.70	308	86.77	0.117	0.120	0.144	715
Hen	477	30x3.20	7x3.20	297.6	241.3	22.40	9.60	1111.70	671.00	441	105.91	0.117	0.119	0.143	725
Dove	556.5	26x3.72	7x2.89	328.5	282.6	23.55	6.67	1140.00	781.30	359	105.57	0.101	0.103	0.124	790
Eagle	556.5	27x3.30	7x3.46	347.9	282.1	24.27	1.38	1297.70	983.20	515	123.71	0.100	0.103	0.123	800
Teal	605	30x3.61	19x2.16	376.1	307.1	25.24	10.80	1398.90	851.50	547	135.50	0.092	0.094	0.113	845
Swift	636	36x3.38	38x1.3	332.0	323.0	23.66	3.58	958.40	888.40	70	61.41	0.089	0.0918	0.109	845

ACSR

ASTM - B 232

Aluminum Conductors Steel Reinforced Technical Specifications

Code	SIZE AWG-MCM	Stranding NO x Ø mm		Section mm'		Diameter mm Overall		Cable WIGHT kg/km			Rated Strength KN	ELECTRICAL Resistance Ω/km			Current Carrying Capacity 1 (A)
		Aluminum	Steel	Total	Aluminum	Total	Core	Total	Aluminum	Steel		D.C.20°C	D.C.25°C	A.C.75°C	
Tern	795.0	45x3.38	7x2.25	431.6	403.8	27.03	6.75	1333.40	1116.10	217.30	98.34	0.071	0.074	0.088	970
Condor	795.0	54x3.08	7x3.08	454.5	402.3	27.72	9.24	1513.90	1116.10	407.80	125.48	0.071	0.073	0.087	975
Ruddy	900.0	45x3.59	7x2.40	487.2	455.5	28.74	7.20	1510.50	1263.50	247.00	108.58	0.062	0065	0.077	1050
Canary	900.0	54x3.28	7x3.28	515.4	456.3	29.52	9.84	1724.80	1263.50	461.3	141.95	0.062	0.065	0.077	1055
Rail	954.0	45x3.70	7x2.47	517.3	483.8	29.61	7.14	1599.80	1333.40	260.40	115.25	0.059	0.062	0.074	1090
Cardinal	954.0	54x3.38	7x3.38	547.3	484.5	30.42	1014	1829.00	1339.80	489.2	150.40	0.059	0.061	0.073	1095
Ortolan	1033.5	45x3.85	7x2.57	560.2	523.9	30.81	7.71	1733.70	4510.00	282.70	123.26	0.055	0.057	0.068	1150
Curlew	1.033.5	54x3.52	7x3.52	593.6	525.5	31.68	10.56	1980.80	4510.00	529.00	162.86	0.054	0.057	0.068	1150
Finch	1113.0	54x3.65	19x2.19	636.6	565.0	32.85	10.95	2129.60	1570.00	559.60	174.00	0.051	0.053	0.063	1205
Chukar	1.780.0	84x3.70	19x2.22	976.7	903.2	42.70	11.10	3086.50	2510.60	575.90	226.94	0.032	0.035	0.041	1620

ACSR

ER 50182 (DIN 48204)

Aluminum Conductors Steel Reinforced Technical Specifications

Code	New Code	Cross Sectional area			No of WIRES		Wire Diameter		Diameter		Mass per unit length	Rated Strength	DC. resistance	Final modulus of elasticity	Coefficient of liner expansion	Current Carrying Capacity
		AL	STEEL	TOTAL	AL	Steel	AL	STEEL	CORE	Cond.						
		mm²	mm²	mm²	AL	Steel	mm	mm	mm	mm	kg/km	KN	Ω/km	N/mm²	1/K	A
16/25	15-AL1/3-ST1A	15.3	2.5	17.8	6	1	1.8	1.80	1.80	5.4	62	5.80	1.876	81.000	0.0000192	105
25/4	24-AL1/4-ST1 A	23.9	4.0	27.8	6	1	2.25	2.25	2.25	6.8	96	8.95	1.201	81.000	0.0000192	140
35/6	34-AL1/6-ST1 A	34.4	5.7	40.1	6	1	2.70	2.70	2.70	81	139	12.37	0.834	81.000	0.0000192	170
44/32	44-AL1/32-ST1 A	44.0	31.7	75.6	14	7	2.00	2.40	2.40	112	369	44.24	0.657	110.000	0.000015	-
50/8	48-AL1/8-ST1 A	48.3	8.0	56.3	6	1	3.20	3.20	3.20	9.6	195	16.81	0.593	81.000	0.0000192	210
50/30	51-AL1/30-ST1A	51.2	29.8	81.0	12	7	2.33	2.33	6.99	11.7	375	42.98	0.564	107.000	0.0000153	-
70/12	70-AL1/11-ST1A	69.9	11.4	81.3	26	7	1.85	1.44	4.32	11.7	282	26.27	0.413	77.000	0.0000189	290
95/15	94-AL1/15-ST1A	94.4	15.3	109.7	26	7	2.15	1.67	5.01	136	381	34.93	0.306	77.000	0.0000189	350
95/55	97-AL1/56-ST1 A	96.5	56.3	152.8	12	7	3.20	3.20	9.60	16.0	707	77.85	0.299	107.000	0.0000153	-
105/75	106-AL1/76-ST1 A	105.7	75.5	181.2	14	19	3.10	2.25	11.30	17.5	885	105.82	0.274	110.000	0.000015	-
120/20	122-AL1/20-ST1A	121.6	19.8	141.4	26	7	2.44	1.90	5.70	15.5	491	44.50	0.237	77.000	0.0000189	410
120/70	122-AL1/71-ST1A	122.1	71.3	193.4	12	7	3.60	3.60	10.80	18.0	895	97.92	0.236	107.000	0.0000153	-
125/30	128-AL1/30-ST1A	127.9	29.8	157.8	30	7	2.33	2.33	6.99	16.3	587	56.41	0.226	82.000	0.0000178	425
150/25	149-AL1/24-ST1A	148.9	24.2	173.1	26	7	2.70	2.10	6.30	17.1	601	53.67	0.194	77.000	0.0000189	470
170/40	172-AL1/40-ST1A	171.8	40.1	211.8	30	7	2.70	2.70	8.10	18.9	788	74.89	0.168	82.000	0.0000178	520
185/30	184-AL1/30-ST1A	183.8	29.8	213.6	26	7	3.00	2.33	6.99	19.0	741	65.27	0.157	77.000	0.0000189	535
210/35	209-AL1/34-ST1 A	209.1	34.1	243.2	26	7	3.20	2.49	7.47	20.3	844	73.36	0.138	77.000	0.0000189	590
210/50	212-AL1/49-ST1 A	212.1	49.5	261.5	30	7	3.00	3.00	9.00	21.0	973	92.46	0.136	82.000	0.0000178	610
230/30	231-AL1/30-ST1 A	130.9	29.8	260.8	24	7	3.50	2.33	6.99	21.0	871	72.13	0.125	74.000	0.0000196	630
240/40	243-AL1/39-ST1 A	243.1	39.5	282.5	26	7	3.45	2.68	8.04	218	980	85.12	0.118	77.000	0.0000189	645
305/40	305-AL1/39-ST1A	304.6	39.5	344.1	54	7	2.68	2.68	8.04	24.1	1151	96.80	0.094	70.000	0.0000193	740
340/30	339-AL1/30-ST1 A	338.3	29.8	369.1	48	7	3.00	2.33	6.99	25.0	1171	91.71	0.085	62.000	0.0000205	790
380/50	382-AL1/49-ST1 A	381.7	49.5	431.2	54	7	3.00	3.00	9.00	27.0	1443	12130	0.075	70.000	0.0000193	840
385/35	386-AL1/34-ST1 A	386.0	34.1	420.1	48	7	3.20	2.49	7.47	26.7	1334	102.56	0.074	62.000	0.0000205	850
435/55	434-AL1/56-ST1 A	434.3	56.3	490.6	54	7	3.20	3.20	9.60	28.0	1641	133.59	0.066	70.000	0.0000193	900
450/40	449-AL1/39-ST1 A	448.7	39.5	488.2	48	7	3.45	2.68	8.04	28.7	1549	119.05	0.064	62.000	0.0000205	920
490/65	490-AL1/64-ST1 A	490.3	63.6	553.8	54	7	3.40	3.40	10.20	30.6	1853	150.81	0.059	70.000	0.0000193	960

ACSR

EN 50182 / FINLAND

Aluminum Conductors Steel Reinforced Technical Specifications

Characteristics of Aluminum conductors steel reinforced used in Finland - Type AL1 / ST1A

Code	Old Code	Cross Sectional Area			No of WIRES		Wire Diameter		Diameter		Mass Per UNIT	Rated Strength	DC Resistance
		Al	Steel	Total			Al	Steel	Core	Cond.			
		mm²	mm²	mm²	Al	Steel	mm	mm	mm	mm	Kg/km	KN	Ω/km
34-AL1/6-ST1A	ACSR 34/6 SPARROW	33.8	5.6	39.5	6	1	2.68	2.68	2.68	8.04	137	12.18	0.846
54-AL1/9-ST1A	ACSR 54/9 RAVEN	53.5	8.9	62.4	6	1	3.37	3.37	3.37	10.11	216	18.64	0.535
85-AL1/14-ST1A	ACSR 85/14 PIGEON	85.1	14.2	99.3	6	1	4.25	4.25	4.25	12.75	344	29.22	0.336
106-AL1/25-ST1A	CSR 106/25 SUURSAVO	105.9	24.7	130.6	30	7	2.12	2.12	6.36	14.84	486	47.97	0.272
152-AL1/25-ST1A	ACSR 152/250STRICH	152.2	24.7	176.9	26	7	2.73	2.12	6.36	17.28	614	54.78	0.189
305-AL1/39-ST1A	ACSR 305/39 DUCK	304.6	39.5	344.1	54	7	2.68	2.68	8.04	24.12	1151	96.80	0.094
565-AL1/72-ST1A	ACSR 565/72 FINCH	565.0	71.6	636.6	54	19	3.65	2.19	10.95	32.85	2123	174.14	0.051
42-AL1/25-ST1A	ACSR 42/25 SAVO	42.4	24.7	67.1	12	7	2.12	2.12	6.36	10.60	310	36.53	0.681
89-AL1/52-ST1A	ACSR 89/52 DOT/EREL	89.4	52.2	141.6	12	7	3.08	3.08	9.24	15.40	655	72.12	0.323
93-AL1/39-ST1A	ACSR 93/38 /MATRA	92.9	39.5	132.4	10	7	3.44	2.68	8.04	14.92	565	60.35	0.31
148-AL1/67-ST1A	ACSR 148/68 KUOPIO	148.3	67.1	215.3	42	19	2.12	2.12	10.60	19.08	937	105.16	0.195

NOTE: Direction of lay of external layer is right - hand (Z)

Characteristics of aluminum alloy conductors steel reinforced used in Finland ·Type AL2 / ST1A

Code	Old Code	Cross Sectional Area			No of WIRES		Wire Diameter		Diameter		Mass Per UNIT	Rated Strength	DC Resistance
		Al	Steel	Total			AL	Steel	Core	Cond.			
		mm²	mm²	mm²	AL	Steel	mm	mm	mm	mm²	mm²	mm²	
106-AL2/25-5T1A	AACSR 106/25	105.9	24.7	130.6	30	7	2.12	2.12	6.36	14.8	486	63.33	0.317
NOTE: Direction of lay of external layer is Right- hand (Z)													

ACSR

EN 50182 (BS 215)

Aluminum Conductors Steel Reinforced Technical Specifications

Code	New Code	Cross Sectional Area			No Of WIRES		Wire Diameter		Diameter		Mass per UNIT length	Rated Strength	DC resistance
		AL e	Steel	Total			AL	Steel	Core	Cond.			
		mm^2	mm^2	mm^2	AL	Steel	mm	mm	mm	m	Kg/km	KN	Ω/km
Mole	11-AL1/2 ST1 A	10.6	1.8	12.4	6	1	150	1.50	1.50	4.50	43	4.1.11	2.702
Squirrel	21-AL1/3 ST1 A	21.0	3.5	24.5	6	1	2.11	2.11	2.11	6.33	85	7.87	1.365
Gopher	26-AL1/4 ST1 A	26.2	4.4	30.6	6	1	2.36	2.36	2.36	7.08	106	9.58	1091
Weasel	32-AL1/S ST1 A	31.6	5.3	36.9	6	1	2.59	2.59	2.59	7.77	128	11.38	0.906
Fox	37-AL1/6 ST1A	36.7	6.1	42.8	6	1	2.79	2.79	2.79	8.37	148	1321	0.781
Ferret	42-AL1/7 ST1 A	42.4	7.1	49.5	6	1	3.00	3.00	3.00	9.00	171	15.27	0.674
Rabbit	S3-AL1/9 ST1 A	52.9	8.8	61.7	6	1	3.35	3.35	3.35	10.10	214	18.42	0.541
Mink	63-AL1/11 ST1 A	63.1	10.5	73.6	6	1	3.66	3.66	3.66	11.00	255	21.67	0.454
Skunk	63-AL1/37 ST1A	63.2	36.9	100.1	12	7	2.59	2.59	7.77	1300	463	52.79	0.456
Horse	73-AL1/43 ST1 A	73.4	42.8	116.2	12	7	2.79	2.79	8.37	14.00	537	6126	0.393
Coyote	132-AL1/20 ST1 A	131.47	20.1	151.8	26	7	2.54	1.91	5.73	15.90	521	45.86	0.219
Cougar	132-AL1/17 ST1 A	131.5	7.3	138.8	18	1	3.05	3.05	3.05	15.30	419	29.74	0.218
Tiger	131-AL1/31 ST1 A	131.2	30.6	161.9	30	7	2.36	2.36	7.08	16.50	602	57.87	0.220
Wolf	1S8-AL1/37 ST1 A	158.1	36.9	194.9	30	7	2.59	2.59	7.77	18.10	725	68.91	0.182
Dingo	1S9-AL1/9 ST1 A	158.7	8.8	167.5	18	1	3.35	3.35	3.35	16.80	505	35.87	0.181
Lynx	183-AL1/43 ST1 A	183.4	42.8	226.2	30	7	2.79	2.79	8.37	19.50	842	79.97	0.157
Caracal	184-AL1/10 ST1 A	184.2	10.2	194.5	18	1	3.61	3.61	3.61	18.10	587	49.74	0.156
Panther	212-AL1/49 ST1 A	212.1	49.5	261.5	30	7	3.00	3.00	9.00	21.00	973	92.46	0.136
LION	238-AL1/S6 ST1 A	238.3	55.6	293.9	30	7	3.18	3.18	9.54	22.30	1093	100.47	0.121
Bear	264-AL1/62 ST1 A	264.4	61.7	326.1	30	7	3.35	3.35	10.10	23.50	1213	111.50	0.109
Goat	324-AL1/76 ST1 A	324.3	75.7	400.0	30	7	3.71	3.71	11.10	26.00	1488	135.13	0.089
Antelope	374-AL1/48 ST1 A	374.1	48.5	422.6	54	7	2.97	2.97	8.91	26.70	1414	118.88	0.077
Bison	382-AL1/49 ST1 A	381.7	49.5	431.2	54	7	300	3.00	9.00	27.00	1443	121.30	0.075
Zebra	429-AL1/S6 ST1 A	428.9	55.6	484.5	54	7	3.18	3.18	9.54	28.60	1621	131.92	0.067
Camel	476-AL1/62 ST1 A	476.0	61.7	537.7	54	7	3.35	3.35	10.10	30.20	1799	146.40	0.060
Moose	S28-AL1/69 ST1 A	528.5	68.5	597.0	54	7	3.53	3.53	10.60	31.80	1997	159.92	0.054

ACSR

EN 50182 (UNE 21018) / Spain

Aluminum Conductors Steel Reinforced Technical Specifications
Characteristics of Aluminum conductors steel reinforced used in Spain- Type AL1/ST1A

Code Word	New Code	Section			COMPOSITION N x Ø mm		Overall Diameter mm		Rated Strength KN	ELECTRICAL Resistance Ω/km	Cable WIGHT Kg/km
		Alum.	Steel	Total	Alum.	Steel					
LA-30	27-AL 1/4-ST1A	26.7	4.45	311	6x2.38	1x2.38	2.38	7.14	9.74	1.0736	107.8
LA-56	47-AL 1/8-ST1A	46.8	7.79	54.6	6x3.25	1x3.15	3.15	9.45	16.29	0.6129	188.8
LA-78	67-AL 1/11-ST1A	67.3	11.2	78.6	6x3.78	1x3.78	3.78	11.34	23.12	0.4256	271.8
LA-110	94-AL 1/22-ST1A	94.2	22.0	116.2	30x2.00	7x2.00	6.00	14.0	43.17	0.3067	432.5
LA-145	119-AL 1/28-ST1A	119.3	27.8	147.1	30x2.25	7x2.25	6.75	15.75	54.03	0.2423	547.4
LA-180	147-AL 1/34-ST1A	147.3	34.4	181.6	30x2.50	7x2.50	7.50	17.5	64.94	0.1963	675.8
LA-280 HAWK	242-AL 1/39-ST1A	241.6	39.5	281.1	26x3.44	7x2.68	8.04	21.8	84.89	0.1195	976.2
LA-380 GULL	337-AL 1/44-ST1A	337.3	43.7	381.0	54x2.82	7x2.82	8.46	25.4	107.18	0.0857	1274.6
LA-455 CONDOR	402-AL 1/52-ST1A	402.3	52.2	454.5	54x3.08	7X3.08	9.24	2.7	123.75	0.0719	1520.5
LA-545 CARDİNAL	485-AL 1/63-ST1A	485.5	62.8	547.3	54x3.38	7x3.38	10.14	30.42	149.04	0.0579	1831.1
LA-635 FİNCH	565-AL 1/72-ST1A	565.0	71.6	636.6	54X3.65	19X2.19	10.95	32.85	174.14	0.0512	2123.0

Notes.
Direction of lay external layer is Right-hand (Z)

ACSR

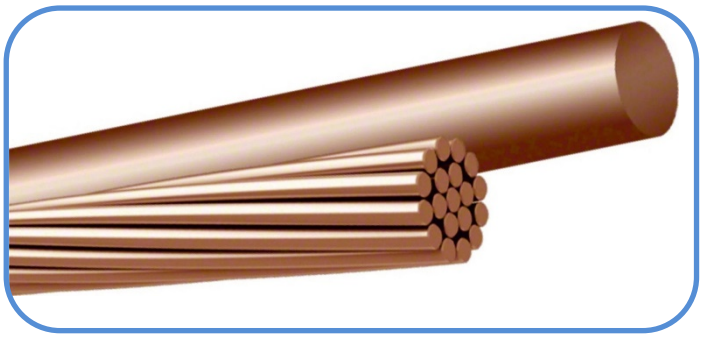
EN 50182 / SWEDEN

Aluminum Conductors Steel Reinforced Technical Specifications Characteristics of Aluminum conductors steel reinforced used in Sweden - Type AL1/ST1A

Code	Old Code	Areas			No of WIRES		Wire Diameter		Diameter		Mass Per UNIT Length	Rated Strength	DC Resistance
		Al	Steel	Total			AL	Steel	Core	Cond.			
		mm²	mm²	mm²	AL	Steel	mm	mm	mm	mm	Kg/km	KN	Ω/km
54-AL1/9-ST1A	RAVEN	53.5	8.9	62.4	6	1	3.37	3.37	3.37	10.11	216	18.64	0.535
135-AL1/22-ST1A	Partridge	134.9	22.0	156.9	26	7	2.57	2.00	6.00	16.30	545	48.66	0.214
201-AL1/33-ST1A	Ibis	201.3	32.7	234.1	26	7	3.14	2.44	7.32	19.90	812	70.53	0.143
283-AL1/146-ST1A	DOVE	282.6	45.9	328.5	26	7	3.72	2.89	8.67	23.60	1140	97.56	0.102
402-AL1/52-ST1A	CONDOR	402.3	52.2	454.5	54	7	3.08	3.08	9.24	27.70	1521	123.75	0.071
525-AL1/68-ST1A	CURLEW	525.5	68.1	593.6	54	7	3.52	3.52	10.60	31.70	1986	159.01	0.055
89-AL1/52-ST1A	DOTIEREL	89.4	52.2	141.6	12	7	3.08	3.08	9.24	15.40	655	72.12	0.323
117-AL1/68-ST1A	ODEN	116.8	68.1	184.9	12	7	3.52	3.52	10.60	17.60	855	93.62	0.247
251-AL1/65-ST1A	YMER	251.0	64.7	315.6	32	7	3.16	3.43	10.30	22.90	1200	112.56	0.115

Notes

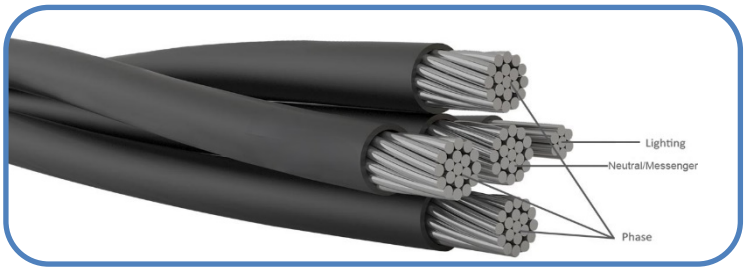
. Direction of lay external layer is right-hand (Z)



Hard - drawn copper stranded conductors for overhead power transmission

Standard DIN 48201 & IEC 61089

NO	Nominal area	Number and diameter of WIRES	Approx/mate overall diameter	Calculated braking load	Calculated resistance at 20°c	Standard WIGHT	Length
	mm^2	mm	mm	KP	Ohm/km	Kg/km	M
1	10	7/ 1.35	4.05	410	1.786	90	4000
2	16	7/ 1.70	5.1	650	1.123	143	4000
3	25	712.10	6.3	990	0.738	219	4000
4	35	7/2.50	7.5	1405	0.525	310	4000
5	50	7/3.00	9.0	2020	0.364	447	4000
6	50	19/ 1.80	9.0	1980	0.372	438	4000
7	70	7/3.50	10.05	2700	0.268	606	3000
8	70	19/2.10	10.05	2690	0.271	597	3000
9	95	7/4.15	12.5	3830	0.190	852	2000
10	95	19/2.50	12.5	3810	0.192	846	2000
1 1	120	19/2.80	14.0	4780	0.153	1061	2000
12	150	37/2.25	15.7	6010	0.122	1337	2000
13	185	7/2.50	17.5	7420	0.098	1651	2000
14	240	61/2.25	20.2	9910	0.074	2208	2000
15	300	61/2.50	22.5	12235	0.060	2726	2000



Aluminum Conductor Compacted Class2 XLPE insulation

Standard: IEC60504 & IEC60502 &IEC60228

NO	Cable Size	Nominal Thickness of Insulation	Approximate Outside diameter	Approximate Wight	Standard Dispatch Length
	mm²	mm	mm	Kg./Km	M
1	3x50+50+16	1.4-1.4-1.2	32	834	1000
2	3x50+35+16	1.4-1.4-1.2	30	789	1000
3	3x70+35+16	1.4-1.4-1.2	35	940	1000
4	3x70+50+16	1.4-1.4-1.2	36	997	1000
5	3x95+70+16	1.6-1.4-1.2	41	1345	1000
6	3x120+70+16	1.6-1.4-1.2	45	1528	1000
7	4x10	1.2	13	162	1000
8	4x16	1.2	15	260	1000
9	4x25	1.2	20	405	1000
10	4x35	1.2	23	515	1000

BARE SOFT DRAWN STRANDED CONDUCTOR

COPPER CONDUCTOR CU

Conductor				Packaging	
Cross Sectional Area Nominal mm^2	Number and Nominal Diameter of Wires mm	Overall Diameter Approx mm	Max. DC Resistance at 20°C ohm/km	Net Weight Approx kg/km	Standard Package m+/-5%
6 Rm	7x1.02	3.1	3.0800	51	2000
10 Rm	7x1.33	4.0	1.8300	86	2000
16 Rm	7x1.68	5.1	1.1500	137	2000
25 Rm	7x2.11	6.4	0.7270	217	2000
35 Rm	7x2.48	7.5	0.5240	312	2000
50 Rm	19x1.75	8.8	0.3870	408	1000
70 Rm	19x2.11	10.6	0.2680	589	1000
95 Rm	19x2.48	12.4	0.1930	818	1000
120 Rm	37x2.00	14.0	0.1530	1032	1000
150 Rm	37x2.22	15.5	0.1240	1273	1000
185 Rm	37x2.48	17.4	0.0991	1593	1000
240 Rm	61x2.22	20.3	0.0754	2094	1000
300 Rm	61x2.48	22.9	0.0601	2650	1000

PVC INSULATED PVC SHEATHED CABLES

COPPER CONDUCTOR | UNARMOURED | 0.6/1 kV

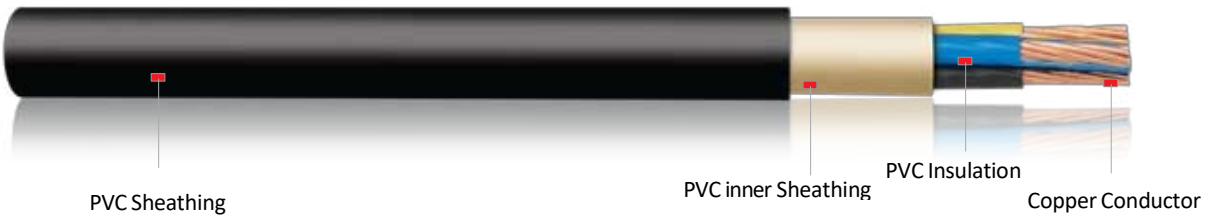
Single core

Conductor		Insulation	Outer Sheath		Packaging	
Cross Sectional Area Nominal mm²	Number of Wires	Thickness Nominal mm	Thickness Nominal mm	Overall Diameter Approx mm	Net Weight Approx kg/km	Standard Drum m+/-2%
6 Rm	7	1.0	1.4	7.8	115	1000/2000
10 Rm	7	1.0	1.4	8.8	165	1000/2000
16 Rm	7	1.0	1.4	9.9	226	1000/2000
25 Rm	7	1.2	1.4	11.6	334	500/1000
35 Rm	7	1.2	1.4	12.7	443	500/1000
50 Rm	19	1.4	1.4	14.5	573	500/1000
70 Rm	19	1.4	1.4	16.2	776	500/1000
95 Rm	19	1.6	1.5	18.6	1051	1000
120 Rm	37	1.6	1.5	20.3	1298	1000
150 Rm	37	1.8	1.6	22.3	1582	1000
185 Rm	37	2.0	1.7	24.8	1993	1000
240 Rm	61	2.2	1.8	28.2	2580	1000
300 Rm	61	2.4	1.9	31.4	3240	1000
400 Rm	61	2.6	2.0	34.6	4097	500
500 Rm	61	2.8	2.1	38.3	5155	500

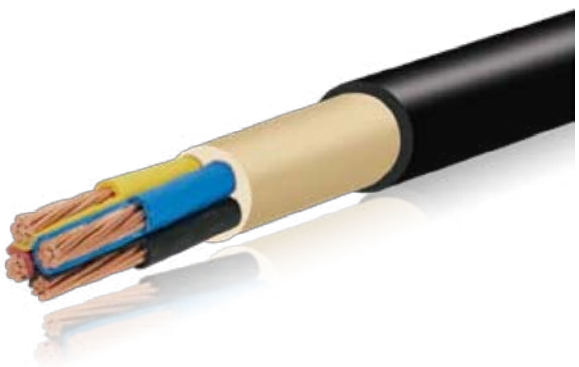
PVC INSULATED PVC SHEATHED CABLES

COPPER CONDUCTOR | UNARMOURED | 0.6/1 kV CU/PVC/PVC

Four cores



Conductor		Insulation	Outer Sheath		Packaging	
Cross Sectional Area Nominal mm^2	Number of Wires	Thickness Nominal mm	Thickness Nominal mm	Overall Diameter Approx mm	Net Weight Approx kg/km	Standard Drum m+/-2%
6 Rm	7	1.0	1.8	17.0	529	1000
10 Rm	7	1.0	1.8	19.4	758	1000
16 Rm	7	1.0	1.8	22.0	1039	1000
25 Rm	7	1.2	1.8	26.1	1541	1000
35 Rm	7	1.2	1.8	24.3	1687	1000
50 Rm	19	1.4	1.9	27.9	2175	1000
70 Rm	19	1.4	2.0	31.4	3022	1000



PVC INSULATED PVC SHEATHED CABLES

ALUMINUM CONDUCTOR | UNARMOURED | 0.6/1 kV AL/PVC/PVC

Single core

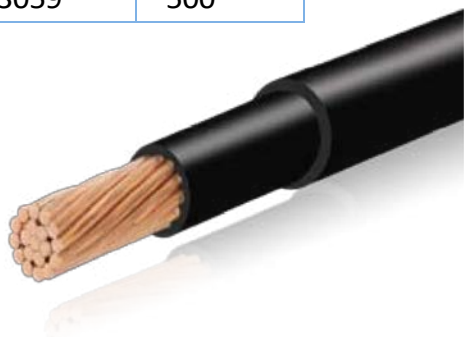
Conductor		Insulation	Outer Sheath		Packaging	
Cross Sectional Area Nominal mm²	Number of Wires	Thickness Nominal mm	Thickness Nominal mm	Overall Diameter Approx mm	Net Weight Approx kg/km	Standard Drum m+/-2%
16 Rmc	7	1.0	1.4	9.7	132	1000/2000
25 Rmc	7	1.2	1.4	11.3	181	500/1000
35 Rmc	7	1.2	1.4	12.3	219	500/1000
50 Rmc	7	1.4	1.4	14.2	302	500/1000
70 Rmc	7	1.4	1.4	15.9	364	500/1000
95 Rmc	19	1.6	1.5	18.3	488	500/1000
120 Rmc	19	1.6	1.5	19.5	574	500/1000
150 Rmc	19	1.8	1.6	22.0	709	500/1000
185 Rmc	37	2.0	1.7	24.6	874	1000
240 Rmc	37	2.2	1.8	27.4	1101	1000
300 Rmc	37	2.4	1.9	30.5	1354	1000
400 Rmc	61	2.6	2.0	34.0	1696	1000

XLPE INSULATED PVC SHEATHED CABLES

COPPER CONDUCTOR | UNARMOURED | 0.6/1 kV CU/XLPE/PVC

Single core

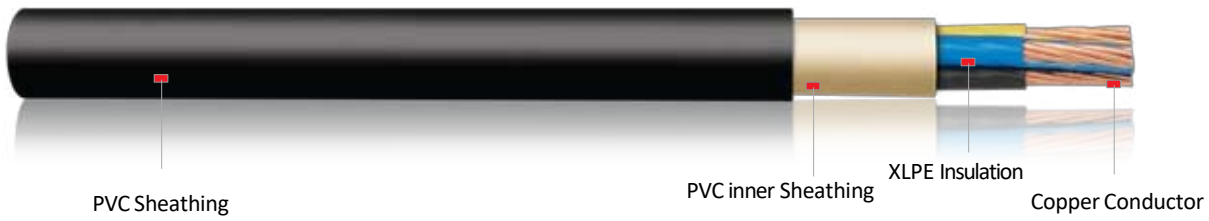
Conductor		Insulation	Outer Sheath		Packaging	
Cross Sectional Area Nominal mm^2	Number of Wires	Thickness Nominal mm	Thickness Nominal mm	Overall Diameter Approx mm	Net Weight Approx kg/km	Standard Drum m+/-2%
6 Rm	7	0.7	1.4	7.2	99	1000
10 Rm	7	0.7	1.4	8.3	149	1000
16 Rm	7	0.7	1.4	9.3	206	1000
25 Rm	7	0.9	1.4	11.0	307	1000
35 Rm	7	0.9	1.4	11.7	412	1000
50 Rm	19	1	1.4	13.7	527	1000
70 Rm	19	1.1	1.4	15.7	733	1000
95 Rm	19	1.1	1.5	17.7	986	1000
120 Rm	37	1.2	1.5	19.6	1228	1000
150 Rm	37	1.4	1.6	21.6	1500	1000
185 Rm	37	1.6	1.6	24.0	1886	1000
240 Rm	61	1.7	1.7	27.2	2535	1000
300 Rm	61	1.8	1.8	30.2	3059	500



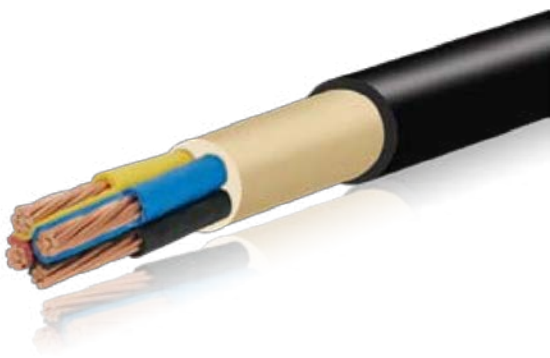
XLPE INSULATED PVC SHEATHED CABLES

COPPER CONDUCTOR | UNARMOURED | 0.6/1 kV CU/XLPE/PVC

Four cores



Conductor		Insulation	Outer Sheath		Packaging	
Cross Sectional Area Nominal mm^2	Number of Wires	Thickness Nominal mm	Thickness Nominal mm	Overall Diameter Approx mm	Net Weight Approx kg/km	Standard Drum m+/-2%
6 Rm	7	0.7	1.8	15.5	450	1000
10 Rm	7	0.7	1.8	18.2	680	1000
16 Rm	7	0.7	1.8	20.6	955	1000
25 Rm	7	0.9	1.8	24.7	1416	1000
35 Rm	7	0.9	1.8	22.9	1567	1000
50 Rm	19	1.0	1.9	25.7	2000	1000
70 Rm	19	1.1	2.0	30.0	2855	1000



XLPE INSULATED PVC SHEATHED CABLES

ALUMINUM CONDUCTOR | UNARMOURED | 0.6/1 kV AL/XLPE/PVC

Single core

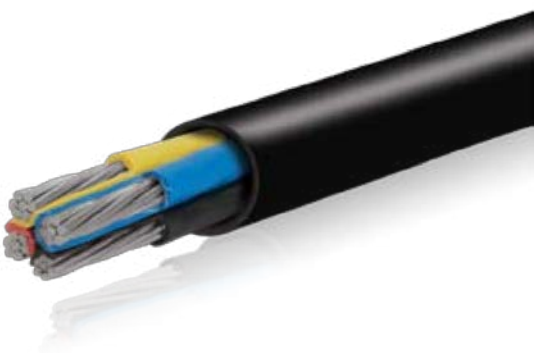
Conductor		Insulation	Outer Sheath		Packaging	
Cross Sectional Area Nominal mm^2	Number of Wires	Thickness Nominal mm	Thickness Nominal mm	Overall Diameter Approx mm	Net Weight Approx kg/km	Standard Drum m+/-2%
16 Rmc	7	0.7	1.4	9.1	115	1000
25 Rmc	7	0.9	1.4	10.7	153	1000
35 Rmc	7	0.9	1.4	11.7	187	1000
50 Rmc	7	1.0	1.4	13.4	260	1000
70 Rmc	19	1.1	1.4	15.4	340	1000
95 Rmc	19	1.1	1.5	17.3	417	1000
120 Rmc	19	1.2	1.5	18.7	504	1000
150 Rmc	19	1.4	1.6	21.2	621	1000
185 Rmc	37	1.6	1.6	23.6	758	1000
240 Rmc	37	1.7	1.7	26.2	955	1000
300 Rmc	37	1.8	1.8	29.1	1185	1000

XLPE INSULATED PVC SHEATHED CABLES

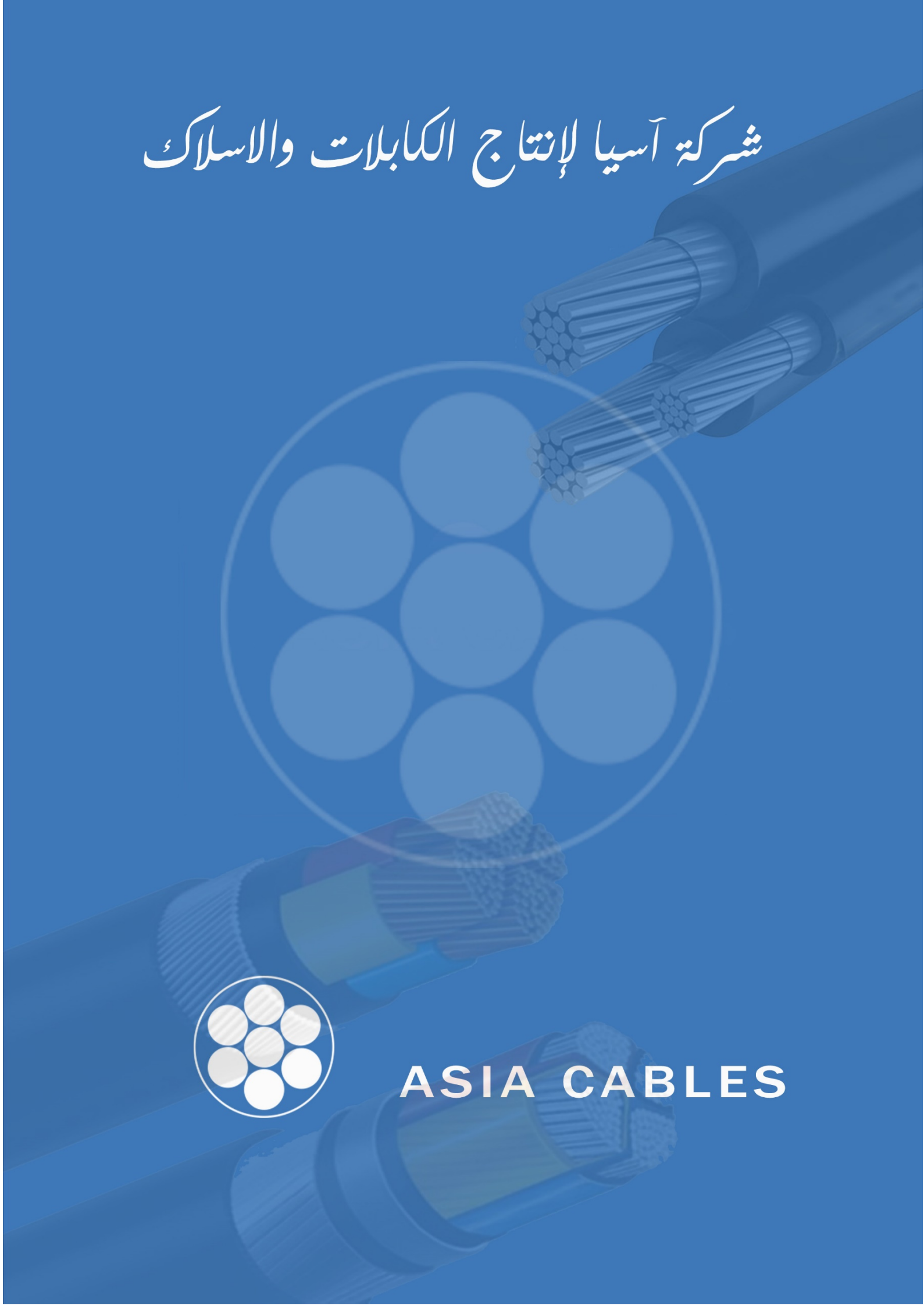
ALUMINUM CONDUCTOR | UNARMOURED | 0.6/1 kV AL/XLPE/PVC

Four cores

Conductor		Insulation	Outer Sheath		Packaging	
Cross Sectional Area Nominal mm^2	Number of Wires	Thickness Nominal mm	Thickness Nominal mm	Overall Diameter Approx mm	Net Weight Approx kg/km	Standard Drum m+/-2%
16 Rmc	7	0.7	1.8	20.1	570	1000
25 Rmc	7	0.9	1.8	24.1	815	1000
35 Rmc	7	0.9	1.8	22.9	667	1000
50 Rmc	7	1.0	1.9	25.7	87.5	1000
70 Rmc	19	1.1	2.0	30.0	1195	1000



شركة آسيا لإنتاج الكابلات والاسلاك



ASIA CABLES