

شركة الخليج للكابلات والصناعات المتعددة - الأردن  
Gulf Cable & Multi Industries Co. Jordan



شركة مجموعة الخليج للكابلات والصناعات الكهربائية ش.م.ك.ع.  
Gulf Cables & Electrical Industries Group Co. K.S.C.P.

We Build Cables For Life



# OVERHEAD LINES CABLES

PRODUCT DATA TABLES



cables that **pulse with life**



[www.gulfcable.com](http://www.gulfcable.com)

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## □ Introduction:

Gulf Cables & Electrical Industries Group Co. K.S.C.P (GC) was established in 1975 with objective of meeting growing local and export markets requirements, it owns two factories one located in Kuwait the other in Jordan. Our Vision is to be the leader of Gulf and Middle East region in manufacturing and supplying Cables and Conductors. Through continuous improvements driven by the integrity, teamwork and innovation, we are committed to provide such a Quality that:

- Our customers will receive superior value
- Our shareholders will receive ever exceeding returns on their investments
- Our business partners will share our success
- Our employees will prosper

Our products are designed and manufactured to meet the needs of the Local, regional and International markets. All our products meet the respective world standards.

We handle all available means for exporting products - land, marine and air.

We are also equipped to meet all export requirements and formalities in the local Arab markets, including Saudi Arabia, United Arab Emirates, Oman, Bahrain, Jordan , Iraq and MENA. Opportunities to Export to Syria, Lebanon, Yemen and other countries worldwide will also be available soon.

We have developed and established communication channels with our customers through which, we constantly get updates and feedbacks on their stated / implied needs and problems. Based on this information, we have devised new modalities to provide better service to our valued customers. Thus, we not only provide Quality Products, but also offer a host of related services before and after the sale.

## □ Products:

Medium Voltage Power Cables up to 19/33(36) KV

Low Voltage Power Cables up to 600/1000V

Control Cables 600/1000V

Bare Conductors for Overhead Lines

Earthing Conductors

Fire resistant Cables

PVC or XLPE Insulated Conductors

Domestic Applications / Internal Wiring

LSZH Cables & Wires

Lead Sheathed Cables

Enamelled Wires

Telephone, communication & Instrumentation Cables

## □ Quality:

Quality has always been our top priority and to meet customer's expectation has been our prime objective; the very basis on which we earned the confidence of our clientele. It is this concern and commitment, rather than just sell of product, has given us a distinct image and competitive advantage.

## □ Certificates:

ISO 9001:2015	}	CERTIFIED BY TUV NORD
ISO 14001:2015		
ISO 45001:2018		
BS EN ISO 2015 : 9001 CERTIFIED BY BASEC		
ISO 9001 : 2015 CERTIFIED BY SGS		



THE FOLLOWING LIST TABULATES ONLY THE "STANDARD" PRODUCTS. FOR ANY PRODUCT NOT LISTED BELOW, PLEASE DO NOT HESITATE TO CONTACT OUR SALES & MARKETTING DIVISION. WE SHALL BE TOO PLEASED TO MEET YOUR SPECIFIC REQUIREMENTS.

## □ PRODUCT

## STANDARD

### BARE CONDUCTORS FOR OVERHEAD LINES

- All Auminium conductors AAC
- Aluminium conductors steel reinforced ACSR
- All Auminium Alloy conductors AAAC
- Hard drawn bare copper conductors HDBC

BS 215 Part 1 / ASTM / CSA / DIN  
BS 215 Part 2 / ASTM / CSA / DIN  
BS EN 50182 / IEC 1089  
BS 7884

### EARTHING CONDUCTORS

- Bare copper conductors SDBC

BS 6360 / BS EN 60228 / IEC 60228

### PVC or XLPE INSULATED CONDUCTORS

- PVC or XLPE insulated conductors for earthing or over head lines

BS 6485 / Customer Standards.

#### *General Note:*

- *The tabulations on subsequent pages furnish overall dimensions, weight, drum dimensions etc.. Please note that these are "Approximate" values and subject to manufacturing tolerance. We reserve the right to change the data because of product development and / or changes in standard without notice.*
- *Although Gulf Cables has made every reasonable effort to ensure its accuracy, the information contained herein is subject to error of omission and to change without notice. In no event will Gulf Cable be liable for any damages whatsoever, arising in connection with the information described.*



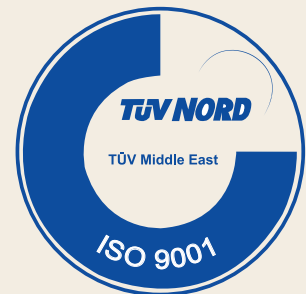
## □ Quality & Integrated Management System

Quality has always been our top priority and to meet customer's expectation has been our prim objective; the very basis on which we earned the confidence of our clientele. It is this concern and commitment, rather than just sell of product, has given us a distinct image and competitive advantage.

Since 1997, we have Quality Assurance System to ISO:9001. The System has been certified by TUV-Nord, as well as BASEC. The salient features of this system include:

- Well defined and documented system comprising of System manual, Operating procedures, work instructions, Quality Assurance plans, Material specifications, work specifications, traceability system, Design guidelines.
- Sound vender development and approval system
- Systematic scrutiny of customer requirements and internal communication to integrate the same into product
- Thorough incoming material inspection
- Round the clock process checks at defined points and frequencies
- 100% testing before any product leaves our premises
- Well established customer interface

Our Jordan Plant management system is certified according to requirements of ISO 9001:2015 by SGS.

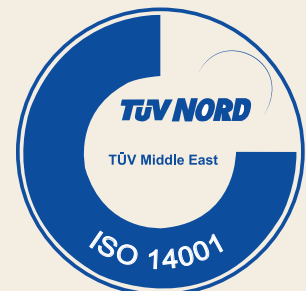


## □ Environmental Management System

We at GC recognize that Environmental Issues have become critical challenge globally. We are committed to contributing towards "Leaving a beautiful planet as a legacy to future generations".

For achieving this, we believe that we need to work in harmony with the nature; recognize the environmental impact related to our business activities & products and undertake protection of environment through technologically and economically feasible goals within our scope.

To pursue this in year 2007, we have implemented Environmental Management System satisfying requirements of ISO:14001. The System has been certified by TUV-Nord.





## Occupational Health & Safety Management System

We at GC recognize that way to greater sustainability is through better Health measures for employees and better Safety measures for protecting men, machines, materials and environment.

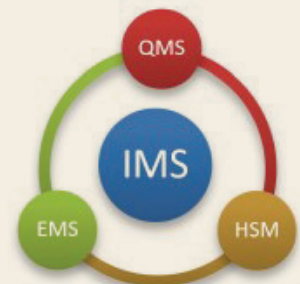
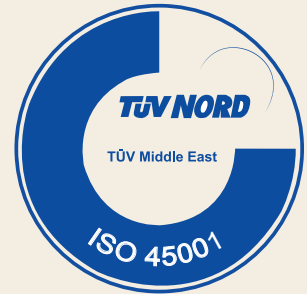
For achieving this, we believe that we need to provide a healthy and safe working

habitat at our facility and take adequate steps to prevent accidents and injury arising from the course of our activities, by minimizing, so far as is reasonably practicable, the causes of hazards inherent in the working environment.

To pursue this in year 2007, we have implemented Occupational Health & Safety Management System satisfying requirements of OHSAS:18001 and continue to meet the upgraded standard ISO 45001. The System has been certified by TUV-Nord.

In order to more effectively and efficiently deliver our organizations objectives, from managing employees needs to monitoring risks and hazards, from reducing inefficiencies and maximizing resources, an Integrated Management System (IMS) approach have been adopted.

Our integrated Management system includes all three ISO Standards requirements of ISO 9001, ISO 14001 & ISO 45001. Established IMS policy is made aware to employees at all levels within GC and available to the interested parties/stake holders in GC website.



# OVERHEAD LINE CABLES

We Build Cables For Life

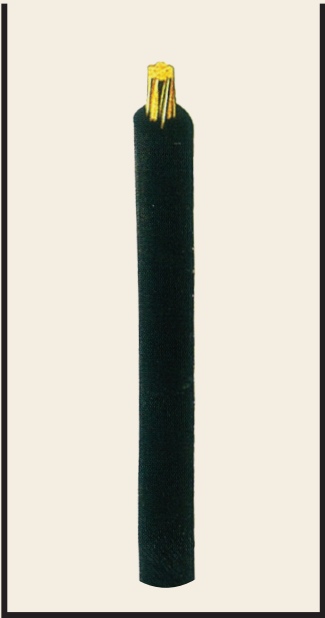


## ■ CONDUCTORS FOR OVERHEAD LINES HARD DRAWN COPPER CONDUCTOR (HDBC)

Nominal Area	Number of Wires in Conductor	Nominal Dia of Wires in Conductor	Approx Conductor Diameter	Conductor Resistance at 20°C (Max.)	Nominal Weight	Maximum Weight	Breaking Load (Min)	Standard Packing Length	Drum Size	Approx. Gross Weight
Sqmm	No	mm	mm	Ohm/Km	Kg/Km	Kg/Km	N	Metre ±5%		KG
10	7	1.35	4.05	1.829	89.82	91.62	3752	2000	D-6	230
14	7	1.60	4.80	1.303	126.2	128.7	5267	2000	D-6	305
16	3	2.65	5.70	1.106	148.3	151.3	6194	2000	D-7	350
16	7	1.70	5.10	1.154	142.4	145.2	5946	2000	D-7	340
25	7	2.10	6.30	0.7563	217.3	221.6	9073	2000	D-8	495
32	3	3.75	8.06	0.5520	296.9	302.8	12400	1000	D-7	350
32	7	2.46	7.38	0.5497	298.2	304.2	12442	1000	D-7	350
35	7	2.50	7.50	0.5337	308.0	314.2	12860	1000	D-7	360
50	7	3.00	9.00	0.3706	443.5	452.4	18520	1000	D-7	500
50	19	1.80	9.00	0.3819	435.8	444.5	17700	1000	D-7	490
70	7	3.55	10.65	0.2646	621.1	633.5	25930	1000	D-8	685
70	19	2.10	10.50	0.2806	593.2	605.1	24090	1000	D-8	660
95	19	2.50	12.50	0.1980	840.7	857.5	34140	1000	D-11	960
100	7	4.30	12.90	0.1810	911.2	929.4	36540	1000	D-11	1030
120	19	2.80	14.00	0.1578	1055	1076	42830	1000	D-12	1190
125	19	2.90	14.50	0.1471	1131	1154	45940	1000	D-12	1265
150	19	3.20	16.00	0.1208	1377	1405	55940	1000	D-12	1515
150	37	2.25	15.75	0.1264	1334	1361	53880	1000	D-12	1475
185	19	3.55	17.75	0.09815	1695	1729	68860	1000	D-14	1880
185	37	2.50	17.50	0.1024	1647	1680	66490	1000	D-14	1830

Conductors conform to BS 7884-1997.

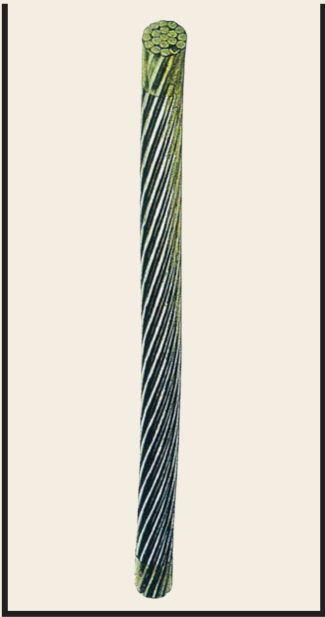




- CONDUCTORS FOR OVERHEAD LINES  
PVC COVERED STRANDED HARD-DRAWN  
COPPER CONDUCTORS  
(HDBC/PVC)

Nominal Area	CONDUCTOR					Min.Thickness of Covering		Approx.Overall Diameter of Covered Conductor		Approx.Weight of Covered Conductor		Standard Packing Length	Drum Size	Approximate Gross Weight	
	Number of Wires	Nominal Dia of Wires in Conductor	Approx Conductor Diameter	Maximum Resistance at 20 °C	Approx. Breaking Load										
						Type 8	Type 16	Type 8	Type 16	Type 8	Type 16			Type 8	Type 16
Sqmm	No	mm	mm	Ohm/Km	N	mm		mm		Kg/Km		Metre ±5%		KG	
14	7	1.60	4.80	1.303	5744	0.8	1.6	6.8	8.4	150	175	2000	D-11	400	450
16	3	2.65	5.69	1.106	6590	0.8	1.6	7.7	9.3	170	200	2000	D-12	450	510
32	3	3.75	8.05	0.5520	12710	0.8	1.6	10.5	12.1	325	365	1000	D-9	390	430
35	7	2.50	7.50	0.5337	14097	0.8	1.6	9.9	11.5	345	385	1000	D-9	405	450
70	7	3.55	10.65	0.2646	26880	0.8	1.6	13.5	14.7	675	720	1000	D-10	740	780
100	7	4.30	12.90	0.1810	37640	0.8	1.6	15.7	16.9	950	1005	1000	D-12	1060	1120

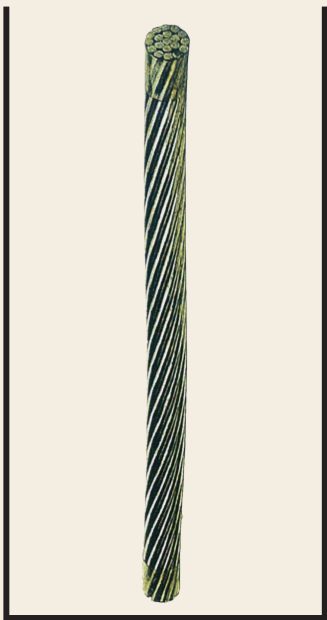
All conductors circular stranded.  
Colour of covering shall be Black for Type 8 and Green for Type 16.  
Conductors conform to BS 6485-1999.



■ CONDUCTORS FOR OVERHEAD LINES  
ALL ALUMINIUM CONDUCTORS  
(AAC)

CODE	Nominal Aluminium Area	Stranding: No. and Nominal Diameter of Wires	Approx. Overall Diameter	Calculated D.C Resistance at 20°C (Max.)	Approx. Weight of Conductor	Breaking Load	Standard Packing Length	Drum Size	Approximate Gross Weight
	Sqmm	No./mm	mm	Ohm/Km	Kg/Km	KN	Metre ± 5%		KG
MIDGE ANT FLY	22	7/2.06	6.18	1.227	64	3.99	2000	D-7	175
	50	7/3.10	9.30	0.5419	145	8.28	2000	D-9	350
	60	7/3.40	10.20	0.4505	174	9.90	2000	D-9	410
WASP HORNET CHAFER	100	7/4.39	13.17	0.2702	290	16.00	2000	D-11	680
	150	19/3.25	16.25	0.1825	434	25.70	2000	D-14	1020
	200	19/3.78	18.90	0.1349	587	32.40	2000	D-16	1380
COCKROACH BUTTERFLY CENTIPEDE	250	19/4.22	21.10	0.1083	731	40.40	2000	D-18	1700
	300	19/4.65	23.25	0.08916	888	48.75	2000	D-18	2020
	400	37/3.78	26.46	0.06944	1145	63.10	2000	D-19	2610

AAC conform to BS 215 (Part 1) 1970.



CONDUCTORS FOR OVERHEAD LINES  
 ALL ALUMINIUM CONDUCTORS  
 (AAC)

CODE	Nominal Aluminium Area	No. and Nominal Diameter of Wires	Approx. Overall Diameter	Calculated D.C Resistance at 20°C (Max.)	Approx. Weight of Conductor	Breaking Load	Standard Packing Length	Drum Size	Approximate Gross Weight
	Sqmm	No./mm	mm	Ohm/Km	Kg/Km	KN	Metre ± 5%		KG
APHIS GNAT WEEVIL	26.4	3/3.35	7.2	1.081	73	4.11	2000	D-7	190
	26.8	7/2.21	6.6	1.068	73	4.59	2000	D-7	195
	31.6	3/3.66	7.9	0.9082	86	4.87	2000	D-8	225
MOSQUITO LADYBIRD BLUE BOTTLE	37.0	7/2.59	7.8	0.7731	101	6.05	2000	D-8	255
	42.8	7/2.79	8.4	0.6694	117	6.88	2000	D-9	295
	73.7	7/3.66	11.0	0.3884	202	11.34	2000	D-10	465
EARWIG GRASSHOPPER CLEGG	78.5	7/3.78	11.4	0.3645	215	11.95	2000	D-11	530
	84.1	7/3.91	11.7	0.3405	230	12.78	2000	D-11	560
	95.6	7/4.17	12.5	0.2994	262	14.54	2000	D-11	625
BEETLE CATERPILLER SPIDER	106.6	19/2.67	13.4	0.2699	293	17.42	2000	D-12	700
	186.0	19/3.53	17.7	0.1547	512	28.65	2000	D-14	1170
	236.9	19/3.99	20.0	0.1214	652	36.02	2000	D-16	1510
DRONE MAYBUG SCORPION	373.3	37/3.58	25.1	0.07723	1029	57.47	2000	D-18	2300
	486.9	37/4.09	28.6	0.05921	1342	74.04	2000	D-19	3000
	529.5	37/4.27	29.9	0.05445	1460	80.0	2000	D-21	3340

AAC conform to BS 215 (Part 1) - 1970 .

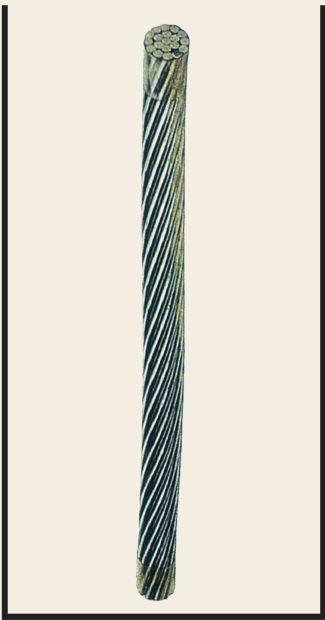




■ CONDUCTORS FOR OVERHEAD LINES  
ALL ALUMINIUM CONDUCTORS  
( AAC )

CODE	Nominal Aluminium Area	No. and Nominal Diameter of Wires	Approx. Overall Diameter	Calculated D.C Resistance at 20°C (Max.)	Approx. Weight of Conductor	Breaking Load	Standard Packing Length	Drum Size	Approximate Gross Weight
	Sqmm	No./mm	mm	Ohm/Km	Kg/Km	KN	Metre ±5%		KG
PEACHBELL ROSE IRIS	13.29 21.16 33.61	7/1.55 7/1.96 7/2.47	4.7 5.9 7.4	2.1690 1.3620 0.8574	37 58 93	2.35 3.68 5.63	2000 2000 2000	D-6 D-7 D-8	115 160 240
PANSY POPPY ASTER	42.39 53.48 67.42	7/2.78 7/3.12 7/3.50	8.3 9.4 10.5	0.6801 0.5390 0.4276	117 147 186	6.84 8.30 10.46	2000 2000 2000	D-8 D-10 D-10	285 355 435
PHLOX VALERIAN LAUREL	85.03 126.70 135.20	7/3.93 19/2.91 19/3.01	11.8 14.6 15.1	0.3390 0.2275 0.2133	234 349 373	12.66 20.05 21.40	2000 2000 2000	D-11 D-12 D-12	570 810 860
PEONY TULIP DAFFODIL	152.00 170.50 177.40	19/3.19 19/3.38 19/3.45	16.0 16.9 17.2	0.1896 0.1692 0.1625	419 470 489	23.58 26.46 27.52	2000 2000 2000	D-14 D-14 D-14	990 1090 1130
CANNA GOLDENTUFT SYRINGA	201 228 242	19/3.67 19/3.91 37/2.88	18.4 19.6 20.2	0.1432 0.1264 0.1193	556 628 666	30.64 33.96 38.26	2000 2000 2000	D-16 D-16 D-16	1320 1470 1540
COSMOS HYACINTH ZINNIA	242 253 253	19/4.02 37/2.95 19/4.12	20.1 20.7 20.6	0.1193 0.1137 0.1137	666 698 698	36.00 40.10 37.74	2000 2000 2000	D-16 D-16 D-16	1540 1610 1610
DAHLIA MISTLETOE MEADOWSWEET	282 282 304	19/4.35 37/3.11 37/3.23	21.7 21.8 22.6	0.1023 0.1023 0.0948	777 777 838	42.00 43.76 47.18	2000 2000 2000	D-18 D-18 D-18	1790 1790 1920
ORCHID HEUCHERA FLAG	323 329 355	37/3.33 37/3.37 61/2.72	23.3 23.6 24.5	0.0893 0.0875 0.0813	888 910 978	50.01 51.11 57.27	2000 2000 2000	D-18 D-18 D-18	2020 2060 2200
VERBENA NASTURTIUM VIOLET	355 363 363	37/3.49 61/2.75 37/3.53	24.5 24.8 24.7	0.0813 0.0795 0.0795	978 1000 1000	55.04 58.52 56.27	2000 2000 2000	D-18 D-18 D-18	2200 2240 2240

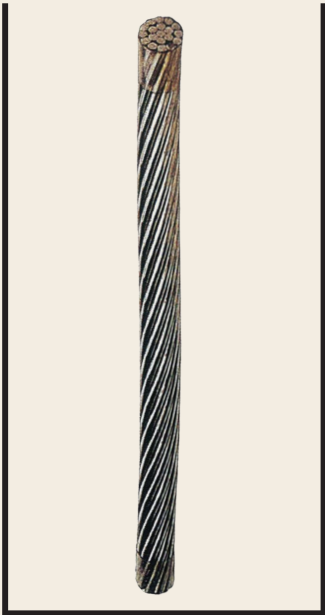
AAC conform to ASTM B-231-81 Class AA & CSA C49-1975.



CONDUCTORS FOR OVERHEAD LINES  
 ALL ALUMINIUM CONDUCTORS  
 ( AAC )

CODE	Nominal Aluminium Area	No. and Nominal Diameter of Wires	Approx. Overall Diameter	Calculated D.C Resistance at 20°C (Max.)	Approx. Weight of Conductor	Breaking Load	Standard Packing Length	Drum Size	Approximate Gross Weight
	Sqmm	No./mm	mm	Ohm/Km	Kg/Km	KN	Metre ±5%		KG
CATTAIL	380	61/2.82	25.3	0.0759	1048	57.79	2000	D-18	2340
LILAC	403	61/2.90	26.1	0.0715	1111	63.77	2000	D-19	2540
ARBUTUS	403	37/3.72	26.1	0.0715	1111	61.26	2000	D-19	2540
SNAPDRAGON	456	61/3.09	27.8	0.0632	1257	70.77	2000	D-19	2830
COCKSCOMB	456	37/3.96	27.7	0.0632	1257	67.94	2000	D-19	2830
GOLDENROD	483	61/3.18	28.6	0.0596	1333	75.02	2000	D-21	3090
MAGNOLIA	483	37/4.08	28.6	0.0596	1333	72.02	2000	D-21	3090
CAMELLIA	507	61/3.25	29.3	0.0569	1397	78.64	2000	D-21	3210
HAWKWEED	507	37/4.18	29.2	0.0569	1397	75.49	2000	D-21	3210
LARKSPUR	524	61/3.31	29.8	0.0550	1444	81.27	2000	D-21	3310
BLUEBELL	524	37/4.24	29.7	0.0550	1444	78.02	2000	D-21	3310
MARIGOLD	564	61/3.43	30.9	0.0511	1555	87.52	2000	D-21	3580
HAWTHORN	604	61/3.55	32.0	0.0477	1665	93.77	2000	D-22	3800
NARCISSUS	645	61/3.67	33.0	0.0467	1777	98.02	2000	D-23	4050
COLUMBINE	685	61/3.78	34.0	0.0421	1888	104.15	2000	D-23	4280
CARNATION	725	61/3.89	35.0	0.0398	1999	108.02	1000	D-19	2320
GLADIOLUS	766	61/4.00	36.0	0.0376	2110	114.02	1000	D-19	2430
COREOPSIS	806	61/4.10	37.0	0.0358	2222	120.03	1000	D-19	2550
JESSAMINE	887	61/4.30	38.7	0.0325	2445	132.10	1000	D-21	2870

AAC conform to ASTM B-231-81 Class AA & CSA C49-1975.



■ CONDUCTORS FOR OVERHEAD LINES  
ALL ALUMINIUM CONDUCTORS  
( AAC )

Conductor Area	Nominal Aluminium Area	No. and Nominal Diameter of Wires	Approx. Overall Diameter	Calculated D.C Resistance at 20°C (Max.)	Approx. Weight of Conductor	Breaking Load	Standard Packing Length	Drum Size	Approximate Gross Weight
Sqmm	Sqmm	No./mm	mm	Ohm/Km	Kg/Km	KN	Metre ±5%		KG
16	15.89	7/1.70	5.1	1.8017	44	2.84	2000	D-7	130
25	24.25	7/2.10	6.3	1.1806	67	4.17	2000	D-8	180
35	34.36	7/2.50	7.5	0.8332	94	5.74	2000	D-8	240
50	49.48	7/3.00	9.0	0.5786	135	7.95	2000	D-9	330
50	48.36	19/1.80	9.0	0.5948	133	8.44	2000	D-9	330
70	65.82	19/2.10	10.5	0.4370	181	11.28	2000	D-10	425
95	93.27	19/2.50	12.5	0.3084	256	15.65	2000	D-12	625
120	117.00	19/2.80	14.0	0.2459	322	18.74	2000	D-12	755
150	147.10	37/2.25	15.7	0.1960	406	25.21	2000	D-14	965
185	181.60	37/2.50	17.5	0.1558	501	30.46	2000	D-16	1210
240	242.50	61/2.25	20.2	0.1192	670	39.39	2000	D-18	1580
300	299.40	61/2.50	22.5	0.09651	827	47.58	2000	D-18	1890
400	400.10	61/2.89	26.0	0.07222	1105	60.72	2000	D-19	2530
500	499.80	61./3.23	29.1	0.05782	1381	74.56	2000	D-21	3180
625	626.20	91/2.96	32.6	0.04625	1733	95.06	2000	D-23	3970
800	802.10	91/3.35	36.8	0.03611	2219	118.26	1000	D-21	2640
1000	999.10	91/3.74	41.1	0.02897	2766	145.63	1000	D-21	3190

AAC - Conform to DIN 48201.





■ CONDUCTORS FOR OVERHEAD LINES  
 ALUMINIUM CONDUCTOR  
 STEEL REINFORCED  
 ( ACSR )

CODE	Nominal Aluminium Area	Stranding:No. and Nominal Diameter of Wires		Total Sectional Area	Approx. Overall Diameter	Calculated D.C Resistance at 20°C (Max.)	Approx. Weight of Conductor	Breaking Load	Standard Packing Length	Drum Size	Approximate Gross Weight
		Aluminium	Steel								
	Sqmm	No/mm		Sqmm	mm	Ohm/Km	Kg/Km	KN	Metre ±5%		KG
GOPHER WEASEL FERRET	25	6/2.36	1/2.36	30.62	7.08	1.0930	106	9.61	3000	D-10	380
	30	6/2.59	1/2.59	36.88	7.77	0.9077	128	11.45	3000	D-10	440
	40	6/3.00	1/3.00	49.48	9.00	0.6766	172	15.20	3000	D-10	580
RABBIT HORSE DOG	50	6/3.35	1/3.35	61.70	10.05	0.5426	214	18.35	3000	D-12	750
	70	12/2.79	7/2.79	116.20	13.95	0.3936	538	61.20	3000	D-14	1770
	100	6/4.72	7/1.57	118.50	14.15	0.2733	394	32.70	3000	D-16	1390
WOLF DINGO LYNX	150	30/2.59	7/2.59	194.90	18.13	0.1828	726	69.20	3000	D-18	2420
	150	18/3.35	1/3.35	167.50	16.75	0.1815	506	35.70	3000	D-16	1730
	175	30/2.79	7/2.79	226.20	19.53	0.1576	842	79.80	3000	D-18	2770
CARACAL PANTHER JAGUAR	175	18/3.61	1/3.61	194.50	18.03	0.1563	587	41.10	3000	D-18	2000
	200	30/3.00	7/3.00	261.50	21.00	0.1363	974	92.25	3000	D-18	3160
	200	18/3.86	1/3.86	222.30	19.30	0.1367	671	46.55	3000	D-18	2250
ZEBRA	400	54/3.18	7/3.18	484.50	28.62	0.0674	1621	131.90	2500	D-22	4530

Conductors conform to BS 215 (Part 2) - 1970.



CONDUCTORS FOR OVERHEAD LINES  
ALUMINIUM CONDUCTOR  
STEEL REINFORCED  
(ACSR)

CODE	Conductor Area		No.&Nominal Diameter of Wires		Approx. Overall Diameter	Calculated D.C Resistance at 20°C (Max.)	Approx. Conductor Weight		Breaking Load	Standard Packing Length	Drum Size	Approximate Gross Weight
	Total	Aluminium	Aluminium	Steel			Aluminium	Total				
	Sqmm		No./mm		mm	Ohm/Km	Kg/Km		KN	Metre ± 5%		KG
MOLE SQUIRREL FOX	12.39	10.62	6/1.50	1/1.50	4.50	2.702	29	43	4.1	2000	D-6	130
	24.43	20.94	6/2.11	1/2.11	6.33	1.370	58	85	7.9	2000	D-8	220
	42.77	36.66	6/2.79	1/2.79	8.37	0.7827	101	149	13.2	2000	D-9	360
MINK SKUNK BEAVER	73.71	63.18	6/3.66	1/3.66	10.98	0.4541	173	255	21.8	2000	D-10	570
	100.50	63.48	12/2.59	7/2.59	12.95	0.4565	175	465	53.1	2000	D-12	1040
	87.82	74.82	6/3.99	1/3.99	11.97	0.3834	205	302	25.7	2000	D-11	705
RACCON OTTER HYENA	92.4	79.20	6/4.10	1/4.10	12.30	0.3623	217	320	27.2	2000	D-12	750
	97.86	83.88	6/4.22	1/4.22	12.66	0.3421	230	339	28.7	2000	D-12	790
	126.2	105.8	7/4.39	7/1.93	14.57	0.2712	290	450	40.9	2000	D-12	1010
COYOTE COUGAR TIGER	152.2	132.1	26/2.54	7/1.91	15.89	0.2187	365	522	46.4	2000	D-14	1190
	137.5	130.3	18/3.05	1/3.05	15.25	0.2210	362	419	29.8	2000	D-14	990
	161.7	131.1	30/2.36	7/2.36	16.52	0.2204	362	602	58.0	2000	D-14	1350
LION BEAR GOAT	294.2	238.5	30/3.18	7/3.18	22.26	0.1212	659	1095	100.6	2000	D-18	2430
	325.6	264.0	30/3.35	7/3.35	23.45	0.1095	730	1213	111.1	2000	D-18	2670
	400.0	324.3	30/3.71	7/3.71	25.97	0.08910	896	1489	135.7	2000	D-19	3300
SHEEP ANTELOPE BISON	461.4	374.1	30/3.99	7/3.99	27.93	0.07724	1034	1718	155.9	2000	D-19	3760
	421.5	373.1	54/2.97	7/2.97	26.73	0.07747	1032	1411	118.2	2000	D-19	3140
	431.3	381.8	54/3.00	7/3.00	27.00	0.07571	1056	1444	120.9	2000	D-19	3210
DEER CAMEL MOOSE	529.5	429.3	30/4.27	7/4.27	29.89	0.06731	1186	1971	178.5	2000	D-21	4360
	536.8	475.2	54/3.35	7/3.35	30.15	0.06083	1314	1797	145.7	2000	D-22	4060
	597.2	528.7	54/3.53	7/3.53	31.77	0.05468	1462	1999	161.1	2000	D-22	4470

Conductors generally conform to BS 215 (Part 2)1970.



We Build Cables For Life

# OVERHEAD LINE CABLES



## CONDUCTORS FOR OVERHEAD LINES ALUMINIUM CONDUCTOR STEEL REINFORCED (ACSR)

CODE	Conductor Area		No.&Nominal Diameter of Wires		Approx. Overall Diameter	Calculated D.C Resistance at 20°C (Max.)	Approx. Conductor Weight		Breaking Load	Standard Packing Length	Drum Size	Approximate Gross Weight
	Total	Aluminium	Aluminium	Steel			Aluminium	Total				
	Sqmm		No./mm		mm	Ohm/Km	Kg/Km		KN	Metre ± 5 %		KG
TURKEY THRUSH SWAN	15.50	13.29	6/1.68	1/1.68	5.04	2.157	36	54	5.3	2000	D-6	150
	19.54	16.77	6/1.89	1/1.89	5.67	1.710	46	68	6.6	2000	D-7	180
	24.71	21.16	6/2.12	1/2.12	6.36	1.356	58	85	8.3	2000	D-8	220
SWANATE SWALLOW SPARROW	26.51	21.16	7/1.96	1/2.61	6.53	1.356	58	100	10.5	2000	D-8	250
	31.10	26.65	6/2.38	1/2.38	7.14	1.076	73	108	10.2	2000	D-8	270
	39.22	33.61	6/2.67	1/2.67	8.01	0.8530	92	136	12.7	2000	D-8	320
SPARATE ROBIN RAVEN	42.13	33.61	7/2.47	1/3.30	8.24	0.8530	92	159	16.2	2000	D-9	380
	49.49	42.39	6/3.00	1/3.00	9.00	0.6765	116	172	15.9	2000	D-9	405
	62.38	53.48	6/3.37	1/3.37	10.11	0.5364	147	216	19.5	2000	D-10	495
QUAIL PIGEON PENGUIN	78.65	67.42	6/3.78	1/3.78	11.34	0.4255	185	273	23.5	2000	D-11	650
	99.22	85.03	6/4.25	1/4.25	12.75	0.3373	233	344	29.5	2000	D-12	800
	125.10	107.23	6/4.77	1/4.77	14.31	0.2676	294	433	37.2	2000	D-12	975
WAXWING PARTRIDGE OSTRICH	142.64	135.16	18/3.09	1/3.09	15.45	0.2133	373	431	30.6	2000	D-14	1010
	157.16	135.16	26/2.57	7/2.00	16.28	0.2142	375	547	50.2	2000	D-14	1240
	176.77	152.00	26/2.73	7/2.12	17.28	0.1906	421	614	56.5	2000	D-16	1440
MERLIN LINNET ORIOLE	179.93	170.45	18/3.47	1/3.47	17.35	0.1692	470	544	38.7	2000	D-16	1300
	198.19	170.45	26/2.89	7/2.25	18.31	0.1699	472	689	62.8	2000	D-16	1590
	210.26	170.45	30/2.69	7/2.69	18.83	0.1704	473	784	77.2	2000	D-16	1780
CHICKADEE BRANT IBIS	212.58	201.42	18/3.77	7/3.77	18.85	0.1432	555	642	44.2	2000	D-16	1490
	227.55	201.42	24/3.27	7/2.18	19.61	0.1438	558	762	65.1	2000	D-16	1730
	234.19	201.42	26/3.14	7/2.44	19.88	0.1438	558	814	72.5	2000	D-16	1840
LARK PELICAN FLICKER	248.39	201.42	30/2.92	7/2.92	20.44	0.1442	560	927	90.4	2000	D-18	2090
	255.10	241.68	18/4.14	1/4.14	20.70	0.1193	666	771	52.3	2000	D-18	1780
	272.97	241.68	24/3.58	7/2.39	21.49	0.1199	670	915	76.3	2000	D-18	2070
HAWK HEN	281.03	241.68	26/3.44	7/2.68	21.80	0.1199	670	977	87.0	2000	D-18	2190
	298.07	241.68	30/3.20	7/3.20	22.40	0.1202	671	1112	105.9	2000	D-18	2460

Conductors conform to ASTM B 232 - 82 and CSA C 49 - 1975.



CONDUCTORS FOR OVERHEAD LINES  
ALUMINIUM CONDUCTOR  
STEEL REINFORCED  
(ACSR)

CODE	Conductor Area		No.&Nominal Diameter of Wires		Approx. Overall Diameter	Calculated D.C Resistance at 20°C (Max.)	Approx. Conductor Weight		Breaking Load	Standard Packing Length	Drum Size	Approximate Gross Weight
	Total	Aluminium	Aluminium	Steel			Aluminium	Total				
	Sqmm		No./mm		mm	Ohm/Km	Kg/Km		KN	Metre ± 5 %		KG
PARAKEET	318.58	282.00	24/3.87	7/2.58	23.22	0.1028	781	1067	88.2	2000	D-18	2370
DOVE	327.94	282.00	26/3.72	7/2.89	23.55	0.1028	781	1140	101.1	2000	D-18	2520
EAGLE	347.81	282.00	30/3.46	7/3.46	24.21	0.1030	783	1298	123.6	2000	D-18	2840
PEACOCK	346.32	306.58	24/4.03	7/2.69	24.20	0.09449	850	1160	95.8	2000	D-18	2560
SQUAB	356.52	306.58	26/3.87	7/3.01	24.51	0.09449	850	1240	106.9	2000	D-18	2720
WOODDUCK	378.13	306.58	30/3.61	7/3.61	25.25	0.09473	851	1411	128.5	2000	D-19	3140
TEAL	376.45	306.58	30/3.61	19/2.16	25.24	0.09475	851	1397	133.4	2000	D-19	3110
ROOK	364.07	322.26	24/4.14	7/2.76	24.84	0.08989	893	1219	101.0	2000	D-18	2680
GROSBEAK	374.78	322.26	26/3.97	7/3.09	25.15	0.08989	893	1302	111.8	2000	D-19	2920
SCOTER	397.48	322.26	30/3.70	7/3.70	25.88	0.09011	895	1483	135.4	2000	D-19	3290
EGRET	395.74	322.26	30/3.70	19/2.22	25.90	0.09012	894	1470	140.3	2000	D-19	3260
FLAMINGO	381.55	337.74	24/4.23	7/2.82	25.40	0.08576	936	1278	105.9	2000	D-19	2880
GANNET	392.84	337.81	26/4.07	7/3.16	28.30	0.08576	936	1365	117.7	2000	D-21	3150
CROW	409.55	362.58	54/2.92	7/2.92	26.28	0.07992	1005	1371	115.8	2000	D-19	3060
STILT	409.61	362.64	24/4.39	7/2.92	26.31	0.07989	1005	1372	113.8	2000	D-19	3060
STARLING	421.61	362.58	26/4.21	7/3.28	26.68	0.07992	1005	1466	126.5	2000	D-19	3250
REDWING	445.22	362.58	30/3.92	19/2.35	27.43	0.08009	1006	1653	154.0	2000	D-19	3630
TERN	430.71	402.84	45/3.38	7/2.25	27.03	0.07192	1116	1333	98.3	2000	D-19	2990
CONDOR	455.03	402.84	54/3.08	7/3.08	27.72	0.07192	1116	1524	125.6	2000	D-19	3370
MALLARD	494.71	402.84	30/4.14	19/2.48	28.96	0.07208	1119	1838	170.7	2000	D-21	4100
CRANE	500.58	443.10	54/3.23	7/3.23	29.07	0.06539	1228	1676	138.3	2000	D-21	3770
RUDDY	487.35	455.81	45/3.59	7/2.40	28.73	0.06356	1263	1509	108.9	2000	D-21	3440
CANARY	515.16	456.05	54/3.28	7/3.28	29.52	0.06352	1263	1724	142.2	2000	D-21	3870
RAIL	516.84	483.42	45/3.70	7/2.47	29.61	0.05994	1339	1599	115.8	2000	D-21	3620
CARDINAL	546.07	483.42	54/3.38	7/3.38	30.42	0.05994	1339	1829	150.1	2000	D-22	4130

Conductors conform to ASTM B 232 - 82 and CSA C 49 - 1975.



■ CONDUCTORS FOR OVERHEAD LINES  
ALUMINIUM CONDUCTOR  
STEEL REINFORCED  
(ACSR)

CODE	Conductor Area		No.&Nominal Diameter of Wires		Approx. Overall Diameter	Calculated D.C Resistance at 20°C (Max.)	Approx. Conductor Weight		Breaking Load	Standard Packing Length	Drum Size	Approximate Gross Weight
	Total	Aluminium	Aluminium	Steel			Aluminium	Total				
	Sqmm		No./mm		mm	Ohm/Km	Kg/Km		KN	Metre ± 5%		KG
ORTLAN CURLEW BLUEJAY	559.87	523.68	45/3.85	7/2.57	30.81	0.05531	1451	1734	123.6	2000	D-22	3940
	591.55	523.68	54/3.52	7/3.52	31.68	0.05531	1451	1981	162.8	2000	D-22	4430
	602.96	563.93	45/4.00	7/2.66	31.98	0.05161	1570	1875	132.4	2000	D-22	4220
FINCH BUNTING GRACKLE	635.41	563.93	54/3.65	19/2.19	32.85	0.05161	1570	2130	173.6	1000	D-18	2370
	645.81	604.26	45/4.14	7/2.76	33.12	0.04820	1682	2008	142.2	1000	D-18	2250
	680.78	604.26	54/3.77	19/2.27	33.97	0.04820	1682	2282	186.4	1000	D-18	2520
BITTERN PHEASANT DIPPER	689.03	644.51	45/4.27	7/2.85	34.17	0.04518	1795	2143	152.1	1000	D-19	2460
	726.19	644.51	54/2.34	19/2.34	35.10	0.04518	1795	2433	194.2	1000	D-19	2750
	732.26	685.16	45/4.40	7/2.92	35.16	0.04259	1906	2275	160.9	1000	D-19	2600
MARTIN PLOVER PARROT	771.55	684.84	54/4.02	19/2.41	36.17	0.04259	1906	2585	206.0	1000	D-21	3010
	816.97	725.16	54/4.14	19/2.48	37.24	0.04016	2019	2738	217.8	1000	D-21	3160
	862.32	765.16	54/4.25	19/2.55	38.25	0.03802	2131	2890	230.5	1000	D-21	3310
FALCON	908.12	805.80	54/4.36	19/2.62	39.26	0.03612	2243	3042	243.3	1000	D-21	3460
WREN WARBLER PHOEBE	9.81	8.39	6/1.33	1/1.33	3.99	3.4226	23	34	3.3	2000	D-6	110
	11.93	10.59	6/1.50	1/1.50	4.50	2.7139	29	43	4.2	2000	D-6	130
	160.45	152.00	18/3.28	1/3.28	16.40	0.1893	418	483	35.5	2000	D-14	1120
PIPER HERON SAPSUCKER	187.48	152.00	30/2.54	7/2.54	17.58	0.1903	420	697	68.7	2000	D-16	1600
	312.45	253.35	30/3.28	7/3.28	22.96	0.1142	701	1162	108.8	2000	D-18	2565
	309.68	282.00	22/4.04	7/2.24	22.88	0.1024	777	993	79.1	2000	D-18	2230
DUCK GOOSE GULL	346.39	306.58	54/2.69	7/2.69	24.21	0.0945	848	1159	100.1	2000	D-18	2560
	364.00	322.26	54/2.76	7/2.76	24.84	0.0899	891	1217	105.3	2000	D-18	2670
	381.55	337.74	54/2.82	7/2.82	25.38	0.0856	935	1277	109.2	2000	D-19	2870
DRAKE SCISSORTAIL	468.45	402.84	26/4.44	7/3.45	28.11	0.0715	1112	1624	139.1	2000	D-21	3670
	677.67	644.51	42/4.42	7/2.46	33.90	0.0449	1780	2039	144.4	1000	D-18	2280

Conductors conform to ASTM B 232 - 1982 and CSA C 49 - 1975.





CONDUCTORS FOR OVERHEAD LINES  
ALUMINIUM CONDUCTOR  
STEEL REINFORCED  
(ACSR)

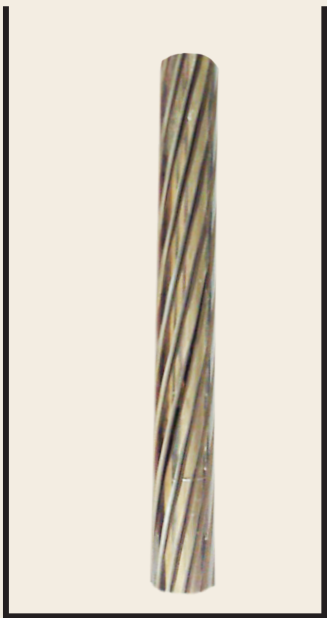
SIZE	Conductor Area		No.&Nominal Diameter of Wires		Approx. Overall Diameter	Calculated D.C Resistance at 20°C (Max.)	Approx. Conductor Weight		Breaking Load	Standard Packing Length	Drum Size	Approximate Gross Weight
	Total	Aluminium	Aluminium	Steel			Aluminium	Total				
	Sqmm		No./mm		mm	Ohm/Km	Kg/Km		KN	Metre ± 5%		KG
16/2.5	17.9	15.3	6/1.80	1/1.80	5.4	1.8750	42	62	5.8	2000	D-7	170
25/4	27.8	23.8	6/2.25	1/2.25	6.8	1.2060	65	97	9.0	2000	D-8	245
35/6	40.0	34.3	6/2.70	1/2.70	8.1	0.8365	94	140	12.4	2000	D-9	340
44/32	75.7	44.0	14/2.00	7/2.40	11.2	0.6570	122	372	44.1	2000	D-11	845
50/8	56.3	48.3	6/3.20	1/3.20	9.6	0.5941	132	196	16.8	2000	D-10	455
50/30	81.0	51.2	12/2.33	7/2.33	11.7	0.5642	141	378	43.0	2000	D-11	855
70/12	81.3	69.9	26/1.85	7/1.44	11.7	0.4130	193	284	26.3	2000	D-11	670
95/15	109.7	94.4	26/2.15	7/1.67	13.6	0.3058	260	383	35.0	2000	D-12	880
95/55	152.8	96.5	12/3.20	7/3.20	16.0	0.2992	266	712	77.8	2000	D-14	1570
105/75	181.5	105.7	14/3.10	19/2.25	17.5	0.2735	292	891	106.4	2000	D-16	1990
120/20	141.4	121.6	26/2.44	7/1.90	15.5	0.2734	336	494	44.8	2000	D-14	1140
120/70	193.7	122.0	12/3.60	7/3.60	18.0	0.2367	337	901	98.1	2000	D-16	2010
125/30	157.7	127.9	30/2.33	7/2.33	16.1	0.2259	353	591	56.5	2000	D-14	1330
150/25	173.1	148.9	26/2.70	7/2.10	17.1	0.1939	411	605	54.2	2000	D-16	1420
170/40	211.9	171.8	30/2.70	7/2.70	18.9	0.1682	475	794	75.3	2000	D-16	1800
185/30	213.6	183.8	26/3.00	7/2.33	19.0	0.1571	507	746	64.9	2000	D-16	1700
210/35	243.2	209.1	26/3.20	7/2.49	20.3	0.1380	577	850	73.5	2000	D-18	1940
210/50	261.6	212.1	30/3.00	7/3.00	21.0	0.1362	587	981	92.0	2000	D-18	2200
230/30	260.7	230.9	24/3.50	7/2.33	21.0	0.1249	638	877	71.7	2000	D-18	1990
240/40	282.5	243.0	26/3.45	7/2.68	21.9	0.1188	671	987	84.8	2000	D-18	2210
265/35	297.8	263.7	24/3.74	7/2.49	22.4	0.1094	728	1002	81.5	2000	D-18	2240
300/50	353.8	304.3	26/3.86	7/3.00	24.5	0.09486	840	1236	105.0	2000	D-18	2710
305/40	344.1	304.6	54/2.68	7/2.68	24.1	0.09490	843	1160	97.5	2000	D-18	2560
340/30	369.1	339.3	48/3.00	7/2.33	25.0	0.08508	938	1180	91.1	2000	D-18	2600
380/50	431.5	382.0	54/3.00	7/3.00	27.0	0.07568	1056	1458	120.8	2000	D-19	3240
385/35	420.1	386.0	48/2.20	7/2.49	26.7	0.07494	1067	1344	102.8	2000	D-19	3010
435/55	490.6	434.3	54/3.20	7/3.20	28.8	0.06656	1203	1653	133.9	2000	D-21	3730
450/40	488.2	448.7	48/3.45	7/2.68	28.7	0.06434	1241	1561	118.5	2000	D-21	3540
490/65	533.9	490.3	54/3.40	7/3.40	30.6	0.05896	1356	1866	150.2	2000	D-22	4200
550/70	621.3	550.0	54/3.60	7/3.60	32.4	0.05256	1520	2092	167.4	1000	D-18	2330
560/50	611.2	561.7	48/3.86	7/3.00	32.2	0.05140	1553	1954	146.1	1000	D-18	2190
680/85	764.6	678.8	54/4.00	19/2.40	36.0	0.04259	1868	2570	206.4	1000	D-19	2890

Conductors conform to DIN 48204.



MODULUS OF ELASTICITY AND COEFFICIENT  
OF LINEAR EXPANSION TABLE

Number of Wires in Conductor		Final Modulus of Elasticity N/mm <sup>2</sup>	Coefficient of Linear Expansion Per °C
HDBC	7	110800	17.0x10 <sup>-6</sup>
	19	102900	17.0x10 <sup>-6</sup>
	37	102900	17.0x10 <sup>-6</sup>
AAC	3	61700	23.0x10 <sup>-6</sup>
	7	59000	23.0x10 <sup>-6</sup>
	19	56000	23.0x10 <sup>-6</sup>
	37	56000	23.0x10 <sup>-6</sup>
ACSR			
Aluminium	Steel		
	1	79000	19.1x10 <sup>-6</sup>
	7	75000	19.8x10 <sup>-6</sup>
	7	74500	18.6x10 <sup>-6</sup>
	7	105000	15.3x10 <sup>-6</sup>
	19	99000	15.4x10 <sup>-6</sup>
	1	66000	21.2x10 <sup>-6</sup>
	7	72500	20.0x10 <sup>-6</sup>
	7	75500	19.2x10 <sup>-6</sup>
	7	80000	17.8x10 <sup>-6</sup>
	7	60800	21.3x10 <sup>-6</sup>
	7	62700	20.8x10 <sup>-6</sup>
	7	64700	20.2x10 <sup>-6</sup>
	7	69000	19.3x10 <sup>-6</sup>
	19	62700	19.3x10 <sup>-6</sup>



■ CONDUCTORS FOR OVERHEAD LINES  
ALL ALUMINIUM ALLOY CONDUCTORS  
(AAAC)

CODE	Nominal Area of Conductor	No. and Nominal Diameter of Wires	Approx. Overall Diameter	Calculated D.C Resistance at 20°C (Max.)	Approx. Weight of Conductor	Breaking Load	Standard Packing Length	Drum Size	Approx. Gross Weight
	Sqmm	No./mm	mm	Ohm/Km	Kg/Km	KN	Metre ± 5%		KG
BOX ACACIA ALMOND	18.8	7/1.85	5.55	1.7480	51.4	5.55	2000	D-6	148
	23.8	7/2.08	6.24	1.3828	64.9	7.02	2000	D-7	175
	30.1	7/2.34	7.02	1.0926	82.2	8.88	2000	D-8	214
CEDAR DEODAR FIR	35.5	7/2.54	7.62	0.9273	96.8	10.46	2000	D-8	244
	42.2	7/2.77	8.31	0.7797	151.2	12.44	2000	D-9	290
	47.8	7/2.95	8.85	0.6875	130.6	14.11	2000	D-9	321
HAZEL PINE HOLLY	59.9	7/3.30	9.90	0.5494	163.4	17.66	2000	D-9	387
	71.6	7/3.61	10.80	0.4591	195.6	21.14	2000	D-10	451
	84.1	7/3.91	11.70	0.3913	229.5	24.79	2000	D-11	559
WILLOW OAK MULBERRY	89.7	7/4.04	12.10	0.3665	245.0	26.47	2000	D-11	590
	118.9	7/4.65	14.00	0.2767	324.5	35.07	2000	D-12	759
	150.9	19/3.18	15.90	0.2192	414.3	44.52	2000	D-14	979
ASH ELM POPLAR	180.7	19/3.48	17.40	0.1830	496.1	53.31	2000	D-14	1142
	211	19/3.76	18.80	0.1568	579.2	62.24	2000	D-16	1368
	239.4	37/2.87	20.10	0.1387	659.4	70.61	2000	D-18	1559
SYCAMORE UPAS YEW	303.2	37/3.23	22.60	0.1095	835.2	89.40	2000	D-18	1910
	362.1	37/3.53	24.70	0.0917	997.5	106.82	2000	D-18	2235
	479	37/4.06	28.40	0.0693	1319.6	141.31	2000	D-21	3059
TOTARA RUBUS SORBUS	798.1	37/4.14	29.00	0.0666	1372.1	146.93	2000	D-21	3164
	586.9	61/3.50	31.50	0.0567	1622.0	173.13	2000	D-22	3714
	659.4	61/3.71	33.40	0.0505	1822.5	194.53	2000	D-23	4145
ARAUCARIA REDWOOD	821.1	61/4.14	37.30	0.0406	2269.4	242.24	2000	D-23	5093
	996.2	61/4.56	41.00	0.0334	2753.2	293.88	2000	D-23	6006

AAAC - Conform to BS EN 50182 - 2001.



CONDUCTORS FOR OVERHEAD LINES  
 ALL ALUMINIUM ALLOY CONDUCTORS  
 (AAAC)

CODE	Nominal Area of Conductor	No. and Nominal Diameter of Wires	Approx. Overall Diameter	Calculated D.C Resistance at 20°C (Max.)	Approx. Weight of Conductor	Breaking Load	Standard Packing Length	Drum Size	Approx. Gross Weight
	Sqmm	No./mm	mm	Ohm/Km	Kg/Km	KN	Metre ± 5%		KG
16	18.4	7/1.83	5.49	1.7896	50.4	5.43	2000	D-6	146
25	28.8	7/2.29	6.86	1.1453	78.7	8.49	2000	D-7	202
40	46.0	7/2.89	8.68	0.7158	125.9	13.58	2000	D-9	312
63	72.5	7/3.63	10.90	0.4545	198.3	21.39	2000	D-10	457
100	115	19/2.78	13.90	0.2877	316.3	33.95	2000	D-12	743
125	144	19/3.10	15.50	0.2302	395.4	42.44	2000	D-14	941
160	184	19/3.51	17.60	0.1798	506.1	54.32	2000	D-14	1162
200	230	19/3.93	19.60	0.1439	632.7	67.91	2000	D-16	1475
250	288	19/4.39	22.00	0.1151	790.8	84.88	2000	D-18	1822
315	363	37/3.53	24.70	0.0916	998.9	106.95	2000	D-18	2238
400	460	37/3.98	27.90	0.0721	1268.4	135.81	2000	D-21	2957
450	518	37/4.22	29.60	0.0641	1426.9	152.79	2000	D-21	3274
500	575	37/4.45	31.20	0.0577	1585.5	169.76	2000	D-22	3641
560	645	61/3.67	33.00	0.0516	1778.4	190.14	2000	D-23	4057
630	725	61/3.89	35.00	0.0458	2000.7	213.90	2000	D-23	4501
710	817	61/4.13	37.20	0.0407	2254.8	241.07	2000	D-23	5010
800	921	61/4.38	39.50	0.0361	2540.6	271.62	2000	D-23	5581
900	1036	91/3.81	41.80	0.0321	2861.1	305.58	2000	D-23	6222
1000	1151	91/4.01	44.10	0.0289	3179.0	339.53	2000	D-24	6958
1120	1289	91/4.25	46.70	0.0258	3560.5	380.27	1000	D-23	7621
1250	1439	91/4.49	49.40	0.0231	3973.70	424.41	1000	D-23	8447

AAAC - Conform to IEC 61089.

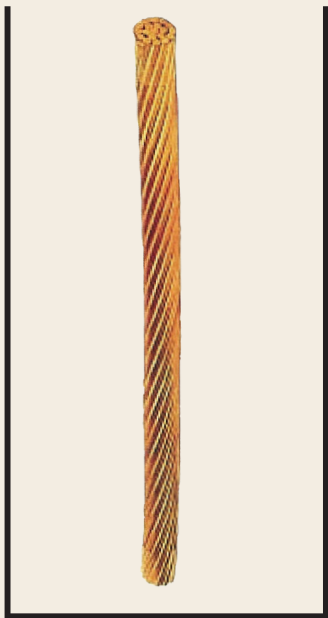


■ CONDUCTORS FOR OVERHEAD LINES  
ALL ALUMINIUM ALLOY CONDUCTORS  
(AAAC)

CODE	Nominal Area of Conductor	No. and Nominal Diameter of Wires	Approx. Overall Diameter	Calculated D.C Resistance at 20°C (Max.)	Approx. Weight of Conductor	Breaking Load	Standard Packing Length	Drum Size	Approx. Gross Weight
	Sqmm	No./mm	mm	Ohm/Km	Kg/Km	KN	Metre ± 5%		KG
AKRON ALTON AMES	15.5	7/1.68	5.04	2.159	43.40	4.92	2000	D-6	130
	24.7	7/2.12	6.36	1.356	69.20	7.83	2000	D-7	180
	39.2	7/2.67	8.01	0.8547	109.7	12.4	2000	D-8	270
AZUSA ANAHEIM AMHERST	62.4	7/3.37	10.11	0.5365	174.7	18.9	2000	D-10	410
	78.6	7/3.78	11.34	0.4264	219.9	23.8	2000	D-11	540
	99.3	7/4.25	12.75	0.3373	278	30.0	2000	D-12	665
ALLIANCE BUTTE CANTON	125	7/4.77	14.31	0.2678	350.1	37.8	2000	D-12	810
	159	19/3.26	16.3	0.2112	443.8	46.5	2000	D-14	1035
	200	19/3.66	18.3	0.1676	559.5	58.6	2000	D-16	1330
CAIRO DARIEN ELGIN	236	19/3.98	19.9	0.1417	661.6	69.2	2000	D-16	1530
	284	19/4.36	21.8	0.1181	793.9	83.1	2000	D-18	1825
	331	19/4.71	23.55	0.1012	926.5	97.0	2000	D-18	2090
FLINT GREELEY	375	37/3.59	25.13	0.08944	1048.6	107	2000	D-19	2415
	470	37/4.02	28.14	0.07133	1314.8	135	2000	D-19M	2950

AAAC - Conform to ASTM B399.





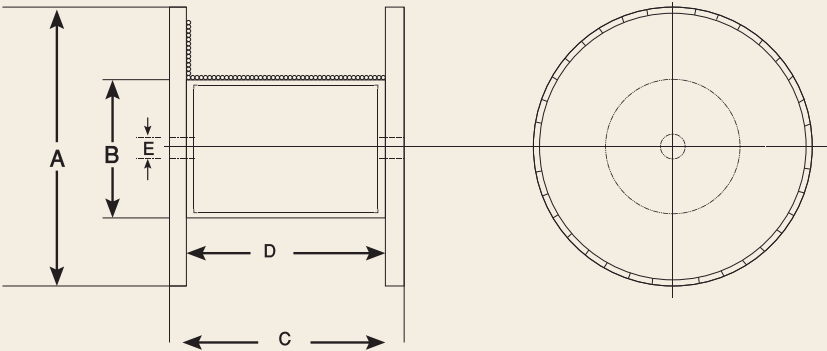
■ CONDUCTORS FOR EARTHING PURPOSES  
SOFT DRAWN BARE COPPER CONDUCTORS  
(SDBC)

Nominal Area of Conductor	Minimum Number of Wires in the Conductor	Approx Conductor Diameter	Maximum Conductor Resistance at 20°C	Approx Conductor Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Sqmm	No.	mm	Ohm/Km	Kg/Km	Metre ± 5%		Kg
4*	7	2.52	4.61	34.0	2000	D-6	115
6*	7	3.08	3.08	51.0	2000	D-6	145
10	7	3.8	1.83	87.0	2000	D-6	220
16	6	4.9	1.15	136	2000	D-6	315
25	6	6.0	0.727	215	2000	D-7	475
35	6	7.1	0.524	301	1000	D-7	345
50	6	8.2	0.387	410	1000	D-7	455
70	12	9.8	0.268	594	1000	D-8	645
95	15	11.7	0.193	820	1000	D-11	920
120	18	13.2	0.153	1040	1000	D-12	1150
150	18	14.6	0.124	1300	1000	D-12	1410
185	30	16.2	0.0991	1615	1000	D-14	1770
240	34	18.7	0.0754	2100	1000	D-16	2310
300	34	20.7	0.0601	2650	1000	D-18	2890
400	53	23.6	0.0470	3440	1000	D-18	3680

\* Conductors circular stranded (Class 2).  
All other conductors circular stranded compacted (Class 2).  
Conductors conform to BS 6360 / BS EN 60228 and IEC 60228.  
Non-compacted untinned or tinned conductors available on Request.



- DRUM SIZES AND DIMENSIONS
- A-** Flange diameter (Excluding Lagging), mm
  - B-** Barrel diameter, mm
  - C-** Overall width, mm
  - D-** Traves width, mm
  - E-** Minimum spindle hole diameter, mm



DIMENSIONS

Drum size D-No	A	B	C	D	E
D-6	600	250	470	400	110
D-7	700	325	570	500	110
D-8	800	375	570	500	110
D-9	900	425	620	550	110
D-10	1000	500	690	600	110
D-11	1100	575	740	650	110
D-12	1200	675	950	850	110
D-14	1400	800	950	850	110
D-16	1600	950	970	850	110
D-18	1800	1100	1220	1100	110
D-19	1900	1100	1230	1100	110
D-20	2000	1300	1235	1100	110
D-21	2100	1150	1290	1100	110
D-22	2200	1400	1390	1250	110
D-23	2340	1200	1795	1625	110
D-24	2400	1200	1795	1625	110
D-25-S	2540	1200	1825	1625	110
D-25	2540	1400	1800	1625	110
D-26	2600	1400	1970	1800	110

Drum Dimensions in actual deliveries are subject to change without notice.

# NOTES

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# NOTES

[illegible]

The background of the entire page is a dark blue gradient. Overlaid on this are faint, semi-transparent images of various types of cables (some bundled, some individual) and a silhouette of a building with palm trees on the right side.

cables that **pulse with life**



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