



Overhead

INTRODUCTION

This over-head conductors catalogue includes all technical information about over-head conductors up to 380 kV, with Copper, Aluminum or ACSR (bare conductors), used in long distance Power Transmission and connections between cities. The size range of these conductors starts from 10 mm² up to 1000 mm².

The Major Types Are:

• AAC

1. General:

These Conductors are formed using several Electrical Conductors Grade Aluminum Wires having the same nominal diameter and stranded in concentric layers.

2. Properties:

Compared to Copper, these conductors have a great economical advantage on the low voltage overhead lines.

3. Application:

- Low Voltage Lines.
- Linking bridges between the dead-end clamps and the high voltage lines installed with aluminum conductors steel-reinforced.
- High Voltage bus bars at the sub-stations.

4. Design:

AAC Conductors can be supplied, conforming to the following standards:

- ASTM B231
- BS 215 – Part 1
- DIN 48201

• ACSR

1. General:

These Conductors are formed using several wires of Aluminum and Galvanized steel, stranded in concentric layers, where the core is made of Galvanized steel and the external layer or layers are made of aluminum.

Normally these conductors have a galvanized steel core of 1, 7, 19, or 37 wires, surrounded by concentric layers of aluminum wires with the same or different diameters.

By varying the relative proportion of the aluminum and steel ratios, the ideal conductors can be produced for any particular application, In this way, if a high tensile strength is required, the number of steel wires can be increased until the required strength is reached and when a conductor with high current capacity and comparatively low strength is required, this is attained with high aluminum content.

A protection layer of approved Grease within the conductor layers (as requested) is provided in order to reduce the corrosion between the steel and aluminum.

2. Properties:

In Comparison to Copper, these conductors have considerable technical and commercial advantages in the installation of overhead lines.

Its characteristics, and low weight, combined with high breaking strength, make it possible to have large spans runs, without reverting to excessive mechanical stress or to have metallic towers. Moreover, due to greater diameter of the conductor, electric losses by the corona effect are greatly reduced.

By making use of these properties; economical electric energy transmission is attained at very high voltage and long distance.

3. Application:

Overhead lines of medium, high, and very high voltages.

4. Design:

ACSR Conductors can be supplied, conforming to the following standards:

- ASTM B232M
- BS 215 – Part 2
- DIN 48204

• AAAC

1. General:

These Conductors are formed by several wires of aluminum alloy, stranded in concentric layers with the same nominal diameter.

The basic composition of this alloy pertains to the aluminum-Magnesium-Silicon group, which is also known in Europe as Alemelec or Aldery. After their drawing they must undergo a thermal treatment at temperature of approximately 170°C.

2. Properties:

Compared to Aluminum, the wires of this alloy have double tensile strength. Its Electrical Conductivity is 15% lower (53% instead of 61%) and the weight is the same.

3. Design:

AAAC Conductors can be supplied, conforming to the following standards:

- ASTM B399M
- BS EN 50183
- DIN 48201

Moreover, Aerial Bundle Cables (ABC) of Aluminum conductor, single or multi cores cables are used in Low Voltage systems for transmission and distribution of power in rural areas as per the International Standard requirements or as per customer requirement.

Hard Drawn Copper (HDCU) as per BS 7884 and Aluminum Conductor Aluminum-Clad Steel Reinforced. (ACSR/AW) as per ASTM B549 are also manufactured.

Aluminum has been in the service of electric power transmission for about a century. The main reason for using Aluminum is its conductivity per unit weight. The soaring prices of copper have also placed Aluminum as an indispensable metal for high voltage transmission. These are the reasons that Aluminum Conductors became the choice of designers and users.

In order to eliminate some deficiencies in ACSR Conductors, heavy weight and bimetallic corrosion, All Aluminum Alloy Conductors (AAAC) are now extensively used. These Conductors have mechanical and electrical properties similar to ACSR, but at the same time eliminate the deficiencies of heavy weight and corrosion.

The Following Important differences between Aluminum and Copper conductors for distribution line must be considered:

1. Due to their high strength/weight ratio, steel cored aluminum and aluminum alloy are more prone to vibration in severe cases to breakages of binders and conductors. This problem can be mitigated by restricting the conductor tension, the commonly accepted practice to limit the still-air at 15°C and 0 m/s wind speed to 20% - 25% of the conductor breaking load.
2. For equal Electrical Conductivity, Aluminum Conductors are about 30% larger in diameter and this increase the wind and ice loading, thereby necessitating stronger supports.
3. Steel-Cored Aluminum may be expected to have shorter life than copper.
4. Aluminum Oxide dust is highly abrasive and hence, any relative movement for oxide between the conductors and the pin insulator groove can produce serious and rapidly cumulative sawing action. Aluminum conductors on pin insulators must, therefore, be wound with great care and if stirrups are used they must be carefully fitted to the insulator.

From this we conclude that:

1. Aluminum conductors in their various forms can be satisfactorily substituted for copper for overhead distribution lines, with appreciable economics at first cost.
2. For Low Voltage Lines, AAC is the most suitable alternative that gives satisfactory service.
3. In case of high voltage lines, the choice will be either ACSR or AAAC.
4. For special purposes where very high tensile strength is required, e.g. reconducting existing steel conductor lines, steel cored high tensile Aluminum Alloy conductors are practical and economical. A large increase in the electrical capacity of the line is possible in this way

JORDAN NEW CABLE COMPANY OVER HEAD CONDUCTORS

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All Aluminum Stranded Conductors BS 215 - PART 1



Code No.	Code Name	Area		Construction	Approx. Overall Dia.	Approx. Weight	Nominal Breaking Load	Nominal DC Resistance at 20 Deg. C	Standard Length	Drum Size
		Nominal	Actual							
		Sq. mm	Sq. mm	No. / mm	mm	Kg/Km	KN	Ohm/Km	(Mtr ± 5%)	
H02-01499002-00000-J	MIDGE	22	23.33	7 / 2.06	6.18	64	3.99	1.22700	2500	D8
H02-0140A002-00000-J	APHIS	25	26.40	3 / 3.35	7.22	73	4.11	1.08300	2000	D8
H02-0140B002-00000-J	GNAT	25	26.80	7 / 2.21	6.63	73	4.59	1.06600	2000	D8
H02-0140C002-00000-J	WEEVIL	30	31.60	3 / 3.66	7.89	86	4.86	0.90820	3000	D10
H02-0140D002-00000-J	MOSQUITO	35	37.00	7 / 2.59	7.77	101	6.03	0.77620	2000	D8
H02-0140E002-00000-J	LADYBIRD	40	42.80	7 / 2.79	8.37	117	6.87	0.66890	2000	D8
H02-0140F002-00000-J	ANT	50	52.83	7 / 3.10	9.30	145	8.28	0.54190	2000	D10
H02-0140G002-00000-J	FLY	60	63.55	7 / 3.40	10.20	174	9.90	0.45050	2000	D10
H02-0140H002-00000-J	BLUEBOTTLE	70	73.70	7 / 3.66	10.98	202	11.34	0.38810	3000	D12
H02-0140I002-00000-J	EARWING	75	78.50	7 / 3.78	11.34	215	11.94	0.36440	3000	D12
H02-0140J002-00000-J	GRASSHOPPER	80	84.10	7 / 3.91	11.73	230	12.78	0.34060	3000	D14
H02-0140K002-00000-J	CLEGG	90	95.60	7 / 4.17	12.51	262	14.53	0.30000	2500	D12
H02-0140L002-00000-J	WASP	100	106.00	7 / 4.39	13.17	290	16.00	0.27020	2000	D12
H02-0140M002-00000-J	BEETLE	100	106.60	19 / 2.67	13.35	293	17.42	0.27040	2000	D12
H02-0140N002-00000-J	BEE	125	132.00	7 / 4.90	14.70	361	19.94	0.21690	2000	D12
H02-0140P002-00000-J	CRICKET	150	157.90	7 / 5.36	16.08	432	23.85	0.18130	1500	D12
H02-0140Q002-00000-J	HORNET	150	157.60	19 / 3.25	16.25	434	27.70	0.18250	3000	D16
H02-0140R002-00000-J	CATERPILLAR	175	186.00	19 / 3.53	17.65	512	28.63	0.15470	2500	D18
H02-0140S002-00000-J	CHAFER	200	213.20	19 / 3.78	18.90	587	32.40	0.13490	2500	D18
H02-0140T002-00000-J	SPIDER	225	236.90	19 / 3.99	19.95	652	36.01	0.12110	2500	D18
H02-0140U002-00000-J	COCKROACH	250	365.70	19 / 4.22	21.10	731	40.40	0.10830	2000	D18
H02-0140V002-00000-J	BUTTERFLY	300	322.70	19 / 4.65	23.25	888	48.70	0.08916	1500	D18
H02-0140W002-00000-J	MOTH	350	373.20	19 / 5.00	25.00	1027	56.37	0.07711	1500	D18
H02-0140X002-00000-J	DRONE	350	373.30	37 / 3.58	25.06	1029	57.45	0.07741	3500	D22
H02-0140Y002-00000-J	LOCUST	400	428.50	19 / 5.36	26.80	1179	64.73	0.06710	1500	D18
H02-0140Z002-00000-J	CENTIPEDE	400	415.20	37 / 3.78	26.46	1145	63.10	0.06944	3000	D22
H02-0141A002-00000-J	MAYBUG	450	486.90	37 / 4.09	28.63	1342	74.01	0.05931	2500	D22
H02-0141B002-00000-J	SCORPION	500	529.50	37 / 4.27	29.89	1460	79.98	0.05441	2500	D22
H02-0141C002-00000-J	CICADA	600	628.60	37 / 4.65	32.55	1733	94.95	0.04588	2000	D22
H02-0141D002-00000-J	TARANTULA	750	794.80	37 / 5.23	36.61	2191	120.10	0.03627	1500	D22

JORDAN NEW CABLE COMPANY OVER HEAD CONDUCTORS
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 All Aluminum Stranded Conductors ASTM B - 231



Code No.	Code Name	Area		Construction No. / mm	Approx. Overall Dia. mm	Approx. Weight Kg/Km	Nominal Breaking Load KN	Nominal DC Resistance at 20 Deg. C Ohm/Km	Standard Length (Mtr ± 5%)	Drum Size
		Nominal	Actual							
		AWG or MCM	Sq. mm							
H06-0141E002-00000-J	PEACHBELL	6	13.29	7 / 1.554	4.67	37	2.49	2.1692	3500	D8
H06-0141F002-00000-J	ROSE	4	21.16	7 / 1.961	5.89	58	3.96	1.3624	3000	D8
H06-0141G002-00000-J	IRIS	2	33.61	7 / 2.474	7.42	93	5.97	0.8577	2500	D10
H06-0141H002-00000-J	PANSY	1	42.39	7 / 2.776	8.33	117	7.32	0.6801	2500	D10
H06-0141J002-00000-J	POPPY	1 / 0	53.48	7 / 3.119	9.36	147	8.73	0.5390	2000	D8
H06-0141K002-00000-J	ASTER	2 / 0	67.42	7 / 3.503	10.51	186	11.00	0.4276	3500	D12
H06-0141L002-00000-J	PHLOX	3 / 0	85.03	7 / 3.932	11.80	234	13.47	0.3390	3000	D12
H06-0141M002-00000-J	OXLIP	4 / 0	107.23	7 / 4.417	13.26	296	16.98	0.2688	2000	D12
H06-0141N002-00000-J	VALERIAN	250	126.71	19 / 2.913	14.57	349	20.62	0.2275	2000	D12
H06-0141P002-00000-J	SNEEZEWORT	250	126.71	7 / 4.80	14.40	349	20.07	0.2275	2000	D12
H06-0141Q002-00000-J	LAUREL	266.8	135.16	19 / 3.01	15.05	373	22.00	0.2133	2000	D14
H06-0141R002-00000-J	DAISY	266.8	135.16	7 / 4.96	14.88	373	21.41	0.2133	2000	D14
H06-0141S002-00000-J	PEONY	300	152.00	19 / 3.193	15.97	419	24.03	0.1896	2000	D12
H06-0141T002-00000-J	TULIP	336.4	170.45	19 / 3.381	16.91	470	26.95	0.1691	3000	D16
H06-0141U002-00000-J	DAFFODIL	350	177.35	19 / 3.447	17.24	489	28.04	0.1625	3000	D18
H06-0141V002-00000-J	CANNA	397.5	201.42	19 / 3.673	18.36	555	31.84	0.1431	2500	D16
H06-0141W002-00000-J	GOLDENTUFT	450	228.00	19 / 3.909	19.55	629	34.99	0.1264	2000	D18
H06-0141X002-00000-J	SYRINGA	477	241.68	37 / 2.882	20.17	666	38.49	0.1193	2500	D18
H06-0141Y002-00000-J	COSMOS	477	241.68	19 / 4.023	20.12	666	37.08	0.1193	2000	D18
H06-0141Z002-00000-J	HYACINTH	500	253.35	37 / 2.951	20.66	698	40.35	0.1138	2500	D18
H06-0142A002-00000-J	ZINNIA	500	253.35	19 / 4.12	20.60	698	38.88	0.1138	2000	D16
H06-0142C002-00000-J	DAHLIA	556.5	282.00	19 / 4.346	21.73	777	43.27	0.1022	2000	D18
H06-0142B002-00000-J	MISTLETOE	556.5	282.00	37 / 3.114	21.80	777	43.62	0.1022	2000	D16
H06-0142D002-00000-J	MEADOWSWEET	600	304.00	37 / 3.233	22.63	838	47.03	0.0948	2000	D18
H06-0142E002-00000-J	ORCHID	636	322.25	37 / 3.33	23.31	888	49.85	0.0894	2000	D18

JORDAN NEW CABLE COMPANY OVER HEAD CONDUCTORS

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All Aluminum Stranded Conductors Cont. ASTM B - 231



Code No.	Code Name	Area		Construction No. / mm	Approx. Overall Dia. mm	Approx. Weight Kg/Km	Nominal Breaking Load KN	Nominal DC Resistance at 20Deg. C Ohm/Km	Standard Length (Mtr ± 5%)	Drum Size
		Nominal	Actual							
		AWG or MCM	Sq. mm							
H06-0142F002-00000-J	HEUCHERA	650	329.35	37 / 3.366	23.56	908	50.95	0.0875	2000	D18
H06-0142G002-00000-J	FLAG	700	354.71	61 / 2.72	24.48	978	51.46	0.0813	2000	D18
H06-0142H002-00000-J	VERBENA	700	354.71	37 / 3.493	24.45	978	54.87	0.0813	2000	D18
H06-0142J002-00000-J	NASTURTIUM	715.5	362.58	61 / 2.75	24.75	1000	58.74	0.0795	2000	D18
H06-0142K002-00000-J	VIOLET	715.5	362.58	37 / 3.533	24.73	1000	56.09	0.0795	3000	D22
H06-0142L002-00000-J	CATTAIL	750	380.00	61 / 2.817	25.35	1048	59.85	0.0795	2000	D18
H06-0142M002-00000-J	PETUNIA	750	380.00	37 / 3.617	25.32	1048	58.75	0.0795	3000	D22
H06-0142N002-00000-J	LILAC	795	402.84	61 / 2.90	26.10	1111	63.45	0.0715	2000	D18
H06-0142P002-00000-J	ARBUTUS	795	402.84	37 / 3.724	26.07	1111	62.32	0.0715	3000	D22
H06-0142Q002-00000-J	SNAPDRAGON	900	456.06	61 / 3.086	27.77	1257	69.78	0.0632	3000	D22
H06-0142R002-00000-J	COCKSCOMB	900	456.06	37 / 3.962	27.73	1257	68.48	0.0632	2500	D22
H06-0142S002-00000-J	GOLDENROD	954	483.42	61 / 3.177	28.60	1333	78.96	0.0596	2000	D22
H06-0142T002-00000-J	MAGNOLIA	954	483.42	37 / 4.079	28.55	1333	72.58	0.0596	2500	D22
H06-0142U002-00000-J	CAMELIA	1000	506.71	61 / 3.251	29.26	1397	77.53	0.0569	2000	D22
H06-0142V002-00000-J	HAWKWEEED	1000	506.71	37 / 4.176	29.23	1397	76.08	0.0569	2000	D22
H06-0142W002-00000-J	LARKSPUR	1033.5	523.68	61 / 3.307	29.76	1444	80.12	0.0550	2500	D22
H06-0142X002-00000-J	BLUEBELL	1033.5	523.68	37 / 4.244	29.71	1444	78.63	0.0550	2500	D22
H06-0142Y002-00000-J	MARIGOLD	1113	563.93	61 / 3.432	30.89	1555	86.28	0.0510	2500	D22
H06-0142Z002-00000-J	HAWTHORN	1192.5	604.26	61 / 3.551	31.96	1666	92.45	0.0477	2000	D22
H06-0143A002-00000-J	NARCISSUS	1272	644.51	61 / 3.668	33.01	1777	98.61	0.0447	2000	D22
H06-0143B002-00000-J	COLUMBINE	1351.5	684.84	61 / 3.78	34.02	1888	104.78	0.0421	2000	D22
H06-0143C002-00000-J	CARNATION	1431	725.10	61 / 3.89	35.01	1999	107.68	0.0398	2000	D22
H06-0143D002-00000-J	GLADIOLUS	1510.5	765.35	61 / 4.00	36.00	2110	113.65	0.0376	2000	D22
H06-0143E002-00000-J	COREOPSIS	1590	805.68	61 / 4.099	36.89	2221	119.64	0.0358	2000	D22
H06-0143F002-00000-J	JESSAMINE	1750	886.71	61 / 4.302	38.72	2445	131.68	0.0325	1500	D22

JORDAN NEW CABLE COMPANY OVER HEAD CONDUCTORS

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All Aluminum Stranded Conductors DIN 48201



Code No.	Area		Construction No./mm	Approx. Overall Dia. mm	Approx. Weight Kg/Km	Nominal Breaking Load KN	Nominal DC Resistance at 20 Deg. C Ohm/Km	Standard Length (Mtr ± 5%)	Drum Size
	Nominal	Actual							
	Sq. mm	Sq. mm							
H07-01414002-00000-J	16	15.89	7 / 1.70	5.10	44	2.80	1.8018	3000	D8
H07-01415002-00000-J	25	24.25	7 / 2.10	6.30	67	4.15	1.1808	3000	D8
H07-01416002-00000-J	35	34.36	7 / 2.50	7.50	94	5.71	0.8332	3000	D10
H07-01417002-00000-J	50	49.48	7 / 3.00	9.00	135	7.77	0.5786	3000	D10
H05-01417002-00000-J	50	48.36	19 / 1.80	9.00	133	8.52	0.5960	3000	D10
H07-01418002-00000-J	70	65.82	19 / 2.10	10.50	181	11.27	0.4371	2000	D10
H07-01419002-00000-J	95	93.27	19 / 2.50	12.50	256	15.51	0.3084	2000	D12
H07-01420002-00000-J	120	117.00	19 / 2.80	14.00	322	18.35	0.2459	2000	D12
H07-01421002-00000-J	150	147.10	37 / 2.25	15.75	406	25.24	0.1960	2000	D14
H07-01422002-00000-J	185	181.60	37 / 2.50	17.50	501	33.47	0.1587	2000	D14
H07-01423002-00000-J	240	242.54	61 / 2.25	20.20	670	41.62	0.1191	2000	D16
H07-01424002-00000-J	300	299.43	61 / 2.50	22.50	827	49.79	0.09650	2000	D18
H07-01425002-00000-J	400	400.14	61 / 2.89	26.00	1105	62.82	0.07221	2000	D18
H07-01426002-00000-J	500	499.83	61 / 3.23	29.10	1381	76.12	0.05781	2000	D20
H07-014L7002-00000-J	625	626.20	91 / 2.96	32.56	1733	98.28	0.04625	2000	D22
H07-01428002-00000-J	800	802.10	91 / 3.35	36.85	2219	122.14	0.03610	1000	D22
H07-01429002-00000-J	1000	999.70	91 / 3.74	41.14	2766	152.15	0.02897	1000	D22

JORDAN NEW CABLE COMPANY OVER HEAD CONDUCTORS

A A C

All Aluminum Alloy Conductors BS EN 50183



Code No.	Code Name	Area		Construction No./ mm	Approx. Overall Dia. mm	Approx. Weight Kg/Km	Nominal Breaking Load KN	Nominal DC Resistance at 20 Deg. C Ohm/Km	Standard Length (Mtr ± 5%)	Drum Size
		Nominal	Actual							
		Sq. mm	Sq. mm							
H02-01513002-00000-J	-	10	11.88	7/1.47	4.41	32	3.33	2.27700	2500	D8
H02-015G5002-00000-J	BOX	15	18.82	7/1.85	5.55	51	5.27	1.74900	2000	D8
H02-015G6002-00000-J	ACACIA	20	23.79	7/2.08	6.24	65	6.70	1.38400	2500	D8
H02-015G7002-00000-J	ALMOND	25	30.10	7/2.34	7.02	82	8.44	1.09400	2000	D8
H02-015G8002-00000-J	CEDAR	30	35.47	7/2.54	7.62	97	9.95	0.92810	2000	D10
H02-01516002-00000-J	-	35	42.18	7/2.77	8.31	115	11.83	0.78000	3000	D10
H02-015G9002-00000-J	FIR	40	47.84	7/2.95	8.85	131	13.40	0.68800	2500	D10
H02-015H1002-00000-J	HAZEL	50	60.96	7/3.30	9.90	164	16.80	0.54980	2000	D10
H02-015H2002-00000-J	PINE	60	71.65	7/3.61	10.83	196	20.10	0.45950	3000	D12
H02-01518002-00000-J	-	70	84.05	7/3.91	11.73	230	23.57	0.39170	2000	D12
H02-015H3002-00000-J	WILLOW	75	89.73	7/4.04	12.12	246	25.17	0.36690	2500	D12
H02-015H4002-00000-J	-	80	96.52	7/4.19	12.57	264	27.04	0.34100	2500	D12
H02-015H5002-00000-J	-	90	108.87	7/4.45	13.35	298	30.50	0.30260	2000	D12
H02-015H6002-00000-J	OAK	100	118.88	7/4.65	13.95	325	33.30	0.27690	2000	D12
H02-015L9002-00000-J	-	100	118.68	19/2.82	14.10	326	33.30	0.27860	2000	D12
H02-015H7002-00000-J	MULBERRY	125	150.90	19/3.18	15.90	415	42.30	0.21900	3000	D16
H02-015H8002-00000-J	ASH	150	180.72	19/3.48	17.40	497	50.60	0.18300	3000	D18
H02-015H9002-00000-J	ELM	175	210.97	19/3.76	18.80	580	59.10	0.15680	2500	D16
H02-015J1002-00000-J	POPLAR	200	239.36	37/2.87	20.09	660	67.00	0.13870	2500	D18
H02-015J2002-00000-J	-	225	270.33	37/3.05	21.35	744	75.70	0.12240	2000	D18
H02-015J3002-00000-J	SYCAMORE	250	303.18	37/3.23	22.61	835	84.90	0.10940	2000	D18
H02-015J4002-00000-J	UPAS	300	362.11	37/3.53	24.71	998	101.50	0.09155	2000	D18
H02-015J5002-00000-J	WALNUT	350	421.83	37/3.81	26.67	1163	118.20	0.07860	2000	D20
H02-015J6002-00000-J	YEW	400	479.00	37/4.06	28.42	1323	134.20	0.06908	2000	D22
H02-015J7002-00000-J	TOTURA	425	498.27	37/4.14	28.98	1372	139.60	0.06656	2000	D22
H02-015J8002-00000-J	RUBUS	500	587.13	61/3.50	31.50	1620	164.50	0.05662	2000	D22
H02-015J9002-00000-J	ARAUCARIA	700	821.48	61/4.14	37.26	2266	230.00	0.04047	1500	D22

JORDAN NEW CABLE COMPANY OVER HEAD CONDUCTORS
A A A C
 All Aluminum Alloy Conductors ASTM B 399M



Code No.	Area	Construction	Approx. Overall Dia.	Approx. Weight	Nominal Breaking Load	Nominal DC Resistance at 20 Deg. C	Standard Length	Drum Size
	Nominal							
	Sq. mm							
H06-015M1002-00000-J	40	7 / 2.70	8.10	110	12.70	0.837	2500	D10
H06-015M2002-00000-J	50	7 / 3.02	9.06	138	15.90	0.670	3000	D10
H06-015M3002-00000-J	63	7 / 3.39	10.17	173	19.10	0.532	3000	D12
H06-015M4002-00000-J	80	7 / 3.81	11.43	220	24.10	0.418	2500	D12
H06-015M5002-00000-J	100	7 / 4.26	12.78	275	30.20	0.335	2000	D12
H06-015M6002-00000-J	112	7 / 4.51	13.53	308	33.80	0.300	2000	D12
H06-015M7002-00000-J	125	19 / 2.89	14.45	343	38.30	0.268	3000	D14
H06-015M8002-00000-J	140	19 / 3.06	15.30	385	42.90	0.240	3000	D16
H06-015M9002-00000-J	160	19 / 3.27	16.35	440	46.70	0.210	2500	D16
H06-015N1002-00000-J	180	19 / 3.47	17.35	494	52.60	0.186	2500	D16
H06-015N2002-00000-J	200	19 / 3.66	18.30	550	58.60	0.167	2000	D16
H06-015N3002-00000-J	224	19 / 3.87	19.35	615	65.50	0.150	2000	D16
H06-015N4002-00000-J	250	19 / 4.09	20.45	686	73.10	0.134	2000	D18
H06-015N5002-00000-J	280	37 / 3.10	21.70	770	83.90	0.120	2000	D18
H06-015N6002-00000-J	315	37 / 3.29	23.30	865	90.20	0.106	2000	D18
H06-015N7002-00000-J	355	37 / 3.50	24.50	975	102.00	0.0943	2000	D18
H06-015N8002-00000-J	400	37 / 3.71	25.97	1098	115.00	0.0837	2000	D18
H06-015N9002-00000-J	450	37 / 3.94	27.58	1235	129.00	0.0744	2000	D22
H06-015P1002-00000-J	500	37 / 4.15	29.05	1372	143.00	0.0670	2000	D22
H06-015L6002-00000-J	560	37 / 4.39	30.73	1537	161.00	0.0598	2000	D22
H06-015Q3002-00000-J	630	37 / 4.66	32.62	1730	181.00	0.0531	2000	D22

JORDAN NEW CABLE COMPANY OVER HEAD CONDUCTORS

A A A C

All Aluminum Alloy Conductors DIN 48201



Code No.	Area		Construction No. / mm	Approx. Overall Dia. mm	Approx. Weight Kg/Km	Nominal Breaking Load KN	Nominal DC Resistance at 20 Deg. C Ohm/Km	Standard Length (Mtr ± 5%)	Drum Size
	Nominal	Calculated							
	Sq. mm	Sq. mm							
H07-01514002-00000-J	16	15.89	7 / 1.70	5.10	44	4.41	2.09100	3000	D8
H07-01515002-00000-J	25	24.25	7 / 2.10	6.30	67	6.77	1.37030	3000	D8
H07-01516002-00000-J	35	34.36	7 / 2.50	7.50	94	9.61	0.96690	3000	D10
H07-01517002-00000-J	50	49.48	7 / 3.00	9.00	135	13.82	0.67140	3000	D10
H05-01517002-00000-J	50	48.36	19 / 1.80	9.00	133	13.54	0.69050	3000	D10
H07-01518002-00000-J	70	65.83	19 / 2.10	10.50	181	18.39	0.50730	2000	D10
H07-01519002-00000-J	95	93.27	19 / 2.50	12.50	256	26.09	0.35790	2000	D12
H07-01520002-00000-J	120	117.00	19 / 2.80	14.00	322	32.72	0.28540	2000	D12
H07-01521002-00000-J	150	147.10	37 / 2.25	15.75	406	41.10	0.22740	2000	D14
H07-01522002-00000-J	185	181.62	37 / 2.50	17.50	501	50.77	0.18420	2000	D14
H07-01523002-00000-J	240	242.54	61 / 2.25	20.25	670	67.79	0.13830	2000	D16
H07-01524002-00000-J	300	299.43	61 / 2.50	22.50	827	83.73	0.11200	2000	D18
H07-01525002-00000-J	400	400.14	61 / 2.89	26.00	1105	111.83	0.08380	2000	D18
H07-01526002-00000-J	500	499.83	61 / 3.23	29.10	1381	139.74	0.06709	2000	D22
H07-015L7002-00000-J	625	626.45	91 / 2.96	32.56	1733	174.90	0.05367	2000	D22
H07-01528002-00000-J	800	802.41	91 / 3.35	36.85	2219	224.00	0.04190	1000	D22
H07-01529002-00000-J	1000	1000.11	91 / 3.74	41.14	2766	279.20	0.03362	1000	D22

JORDAN NEW CABLE COMPANY OVER HEAD CONDUCTORS
 ACSR
 Aluminum Conductors Steel Reinforced BS 215 Part 2



Code No.	Code Name	Area				Strand Wire Diameter		Approx. Overall Dia.	Approx. Weight			Nom. Breaking Load	Nominal DC Resistance at 20Deg.C	Standard Length	Drum Size
		Nom. Alum.	Alum.	Steel	Total	Alum.	Steel		Alum.	Steel	Total				
		Sq. mm				No. / mm		mm	Kg/Km			KN	Ohm/Km	(Mtr+ 5%)	
H02-0168D002-00000-J	MOLE	10	10.62	1.77	12.4	6 / 1.50	1 / 1.50	4.50	29	14	43	4.14	2.0760	3000	D8
H02-0168E002-00000-J	SQUIRREL	20	20.94	3.49	24.4	6 / 2.11	1 / 2.11	6.33	58	27	85	7.88	1.3680	3000	D8
H02-0168F002-00000-J	GOPHER	25	26.25	4.37	30.6	6 / 2.36	1 / 2.36	7.08	72	34	106	9.61	1.0930	2500	D8
H02-0168G002-00000-J	WEASEL	30	31.61	5.27	36.9	6 / 2.59	1 / 2.59	7.77	87	41	128	11.45	0.9077	2000	D8
H02-0168H002-00000-J	FOX	35	36.66	6.11	42.8	6 / 2.79	1 / 2.79	8.37	101	48	149	13.20	0.7822	2000	D10
H02-0168J002-00000-J	FERRET	40	42.41	7.07	49.5	6 / 3.00	1 / 3.00	9.00	117	55	172	15.20	0.6766	2500	D10
H02-0168K002-00000-J	RABBIT	50	52.88	8.82	61.7	6 / 3.35	1 / 3.35	10.05	145	69	214	18.35	0.5426	2000	D10
H02-0168L002-00000-J	MINK	60	63.18	10.53	73.7	6 / 3.66	1 / 3.66	10.98	173	82	255	21.80	0.4545	3000	D12
H02-0168M002-00000-J	SKUNK	60	63.27	36.93	100.3	12 / 2.59	7 / 2.59	12.95	175	290	465	53.00	0.4567	2500	D12
H02-0168N002-00000-J	BEAVER	70	74.82	12.47	87.3	6 / 3.99	1 / 3.99	11.97	205	97	302	25.70	0.3825	2500	D12
H02-0168P002-00000-J	HORSE	70	73.37	42.80	116.2	12 / 2.79	7 / 2.79	13.95	203	335	538	61.20	0.3936	2000	D12
H02-0168Q002-00000-J	RACCOON	75	79.20	13.20	92.4	6 / 4.10	1 / 4.10	12.30	217	103	320	27.20	0.3622	2500	D12
H02-0168R002-00000-J	OTTER	80	83.88	13.98	97.9	6 / 4.22	1 / 4.22	12.66	230	109	339	28.80	0.3419	2500	D12
H02-0168S002-00000-J	CAT	90	95.40	15.90	111.3	6 / 4.50	1 / 4.50	13.50	262	124	386	32.70	0.3007	2000	D12
H02-0168T002-00000-J	HARE	100	105.00	17.50	122.5	6 / 4.72	1 / 4.72	14.16	288	137	425	36.00	0.2733	2000	D12
H02-0168U002-00000-J	DOG	100	105.00	13.50	118.5	6 / 4.72	7 / 1.57	14.15	288	106	394	32.70	0.2733	2000	D12
H02-0168V002-00000-J	HYENA	100	105.80	20.44	126.2	7 / 4.39	7 / 1.93	14.57	290	160	450	40.90	0.2712	2000	D12
H02-0168W002-00000-J	LEOPARD	125	131.30	16.80	148.1	6 / 5.28	7 / 1.75	15.81	360	132	492	40.70	0.2184	2000	D12
H02-0168X002-00000-J	COYOTE	125	132.10	20.10	152.2	26 / 2.54	7 / 1.91	15.89	365	157	522	46.40	0.2187	2000	D12

JORDAN NEW CABLE COMPANY OVER HEAD CONDUCTORS

ACSR

Aluminum Conductors Steel Reinforced

Cont. BS 215 Part 2



Code No.	Code Name	Area				Strand Wire Diameter		Approx. Overall Dia.	Approx. Weight			Nom. Breaking Load	Nominal DC Resistance at 20Deg.C	Standard Length	Drum Size
		Nom. Alum.	Alum.	Steel	Total	Alum.	Steel		Alum.	Steel	Total				
		Sq. mm				No. / mm		mm	Kg/Km			KN	Ohm/Km	(Mtr + 5%)	
H02-0168Y002-00000-J	COUGAR	125	130.3	7.25	137.55	18/3.05	1/3.05	15.25	362	57	419	29.80	0.21890	2000	D12
H02-0168Z002-00000-J	TIGER	125	131.1	30.60	161.7	30/2.36	7/2.36	16.52	362	240	602	58.00	0.22020	2500	D16
H02-0169A002-00000-J	WOLF	150	158.0	36.90	194.9	30/2.59	7/2.59	18.13	437	289	726	69.20	0.18280	2000	D16
H02-0169B002-00000-J	DINGO	150	158.7	8.80	167.5	18/3.35	1/3.35	16.75	437	69	506	35.70	0.18150	3000	D16
H02-0169C002-00000-J	LYNX	175	183.4	42.80	226.2	30/2.79	7/2.79	19.53	507	335	842	79.80	0.15760	2000	D16
H02-0169D002-00000-J	CARACAL	175	184.2	10.30	194.5	18/3.61	1/3.61	18.05	507	80	587	41.10	0.15630	2500	D18
H02-0169M002-00000-J	JAGUAR	200	210.6	11.70	222.3	18/3.86	1/3.86	19.30	580	91	671	46.55	0.13670	2000	D16
H02-0169E002-00000-J	PANTHER	200	212.0	49.50	261.5	30/3.00	7/3.00	21.00	586	388	974	92.25	0.13630	2500	D18
H02-0169F002-00000-J	LION	225	238.5	55.60	294.2	30/3.18	7/3.18	22.26	659	436	1095	100.60	0.12120	2000	D18
H02-0169G002-00000-J	BEAR	250	264.0	61.60	325.6	30/3.35	7/3.35	23.45	730	483	1213	111.10	0.10930	2000	D22
H02-0169H002-00000-J	GOAT	300	324.3	75.70	400.0	30/3.71	7/3.71	25.97	896	593	1489	135.70	0.08910	3000	D22
H02-0169J002-00000-J	SHEEP	350	374.1	87.30	461.4	30/3.99	7/3.99	27.93	1034	684	1718	155.90	0.07704	2500	D22
H02-0169K002-00000-J	ANTELOPE	350	373.1	48.40	421.5	54/2.97	7/2.97	26.73	1032	379	1411	118.20	0.07727	2500	D22
H02-0169L002-00000-J	BISON	350	381.8	49.50	431.3	54/3.00	7/3.00	27.00	1056	388	1444	120.90	0.07573	3000	D22
H02-0169N002-00000-J	DEER	400	429.3	100.20	529.5	30/4.27	7/4.27	29.89	1186	785	1971	178.50	0.06726	2500	D22
H02-0169P002-00000-J	ZEBRA	400	428.9	55.60	484.5	54/3.18	7/3.18	28.62	1186	435	1621	131.90	0.06740	2000	D20
H02-0169Q002-00000-J	ELK	450	477.0	111.30	588.3	30/4.50	7/4.50	31.50	1318	872	2190	198.20	0.06056	2000	D22
H02-0169R002-00000-J	CAMEL	450	475.2	61.60	536.8	54/3.35	7/3.35	30.15	1314	483	1797	145.70	0.06073	2500	D24
H02-0169S002-00000-J	MOOSE	500	528.7	68.50	597.2	54/3.53	7/3.53	31.77	1462	537	1999	161.10	0.05470	2000	D22

JORDAN NEW CABLE COMPANY OVER HEAD CONDUCTORS
A C S R
 Aluminum Conductors Steel Reinforced ASTM B 232



Code No.	Code Name	Area				Strand Wire Diameter		Approx. Overall Dia.	Approx. Weight			Nom. Breaking Load	Nominal DC Resistance at 20Deg.C	Standard Length	Drum Size
		Nom.	Alum.	Steel	Total	Alum.	Steel		Alum.	Steel	Total				
		AWG or MCM	Sq. mm			No. / mm		mm	Kg/Km			KN	Ohm/Km	(Mtr ± 5%)	
H06-0163G002-00000-J	GROUSE	80.0	40.52	14.13	54.65	8/2.54	1/4.24	9.32	112	110	222	23.60	0.7115	2500	D10
H06-0163H002-00000-J	PETREL	101.8	51.61	30.06	81.67	12/2.34	7/2.34	11.71	143	235	378	41.75	0.5613	2000	D10
H06-0163J002-00000-J	MINORCA	110.8	56.13	32.77	88.90	12/2.44	7/2.44	12.22	156	256	412	51.25	0.5161	2000	D10
H06-0163K002-00000-J	LEGHORN	134.6	68.19	39.81	108.00	12/2.69	7/2.69	13.46	189	311	500	61.70	0.4248	2000	D12
H06-0163L002-00000-J	GUINEA	159.0	80.58	46.97	127.55	12/2.92	7/2.92	14.63	223	367	590	72.55	0.3595	2000	D12
H06-0163M002-00000-J	DOTTEREL	176.9	89.48	52.19	141.67	12/3.08	7/3.08	15.42	248	409	657	78.50	0.3237	2000	D14
H06-0163N002-00000-J	DORKING	190.8	96.71	56.39	153.10	12/3.20	7/3.20	16.03	268	441	709	84.80	0.2995	3000	D16
H06-0163P002-00000-J	BRAHMA	203.2	102.97	91.87	194.84	16/2.86	19/2.48	18.14	285	722	1007	128.80	0.2813	2500	D18
H06-0163Q002-00000-J	COCHIN	211.8	107.10	62.45	169.55	12/3.37	7/3.37	16.84	297	488	785	93.90	0.2705	3000	D16
H06-0163R002-00000-J	TURKEY	6	13.29	2.19	15.48	6/1.68	1/1.68	5.04	37	17	54	5.24	2.1586	3000	D8
H06-0163S002-00000-J	SWAN	4	21.16	3.55	24.71	6/2.12	1/2.12	6.36	58	27	85	8.32	1.3557	3000	D8
H06-0163T002-00000-J	SWANATE	4	21.16	5.35	26.51	7/1.96	1/2.61	6.53	58	42	100	10.53	1.3557	2000	D8
H06-0163U002-00000-J	SPARROW	2	33.61	5.61	39.22	6/2.67	1/2.67	8.01	92	44	136	12.70	0.8535	2000	D10
H06-0163V002-00000-J	SPARATE	2	33.61	8.52	42.13	7/2.47	1/3.30	8.24	92	67	159	16.11	0.8535	2000	D10
H06-0163W002-00000-J	ROBIN	1	42.39	7.10	49.49	6/3.00	1/3.00	9.00	116	55	171	15.85	0.6767	2500	D10
H06-0163X002-00000-J	RAVEN	1/0	53.48	8.90	62.38	6/3.37	1/3.37	10.11	147	69	216	19.32	0.5364	2000	D10
H06-0163Y002-00000-J	QUAIL	2/0	67.42	11.23	78.65	6/3.78	1/3.78	11.34	185	88	273	23.62	0.4255	3000	D12
H06-0163Z002-00000-J	PIGEON	3/0	85.03	14.19	99.22	6/4.25	1/4.25	12.75	233	110	343	29.41	0.3373	2500	D12
H06-0164A002-00000-J	PENGUIN	4/0	107.23	17.87	125.10	6/4.77	1/4.77	14.31	294	139	433	37.06	0.2675	2000	D12
H06-0164B002-00000-J	WAXWING	266.8	135.16	7.48	142.64	18/3.09	1/3.09	15.45	373	58	431	30.27	0.2133	3500	D16

JORDAN NEW CABLE COMPANY OVER HEAD CONDUCTORS

A C S R

Aluminum Conductors Steel Reinforced Cont. ASTM B 232



Code No.	Code Name	Area				Strand Wire Diameter		Approx. Overall Dia.	Approx. Weight			Nom. Breaking Load	Nominal DC Res. at 20 Deg. C	Standard Length	Drum Size
		Nom.	Alum.	Steel	Total	Alum.	Steel		Alum.	Steel	Total				
		AWG or MCM	Sq. mm			No. / mm		mm	Kg/Km			KN	Ohm/Km	(Mtr + 5%)	
H06-0164C002-00000-J	PARTRIDGE	266.8	135.16	22.00	157.16	26/2.57	7/2.00	16.28	374	172	546	50.29	0.21430	2500	D14
H06-0164D002-00000-J	OSTRICH	300	152.00	24.71	176.71	26/2.73	7/2.12	17.28	421	193	614	56.52	0.19060	3000	D18
H06-0164E002-00000-J	MERLIN	336.4	170.45	9.48	179.93	18/3.47	1/3.47	17.35	470	74	544	38.23	0.16910	2000	D14
H06-0164F002-00000-J	LINNET	336.4	170.45	27.81	198.26	26/2.89	7/2.25	18.31	472	217	689	62.71	0.16990	2500	D16
H06-0164G002-00000-J	ORIOLE	336.4	170.45	39.81	210.26	30/2.69	7/2.69	18.83	473	311	784	77.27	0.17040	3000	D18
H06-0164H002-00000-J	CHICKADEE	397.5	201.42	11.16	212.58	18/3.77	1/3.77	18.85	555	87	642	43.99	0.14310	2500	D18
H06-0164J002-00000-J	BRANT	397.5	201.42	26.13	227.55	24/3.27	7/2.18	19.61	558	204	762	64.69	0.14380	2000	D16
H06-0164K002-00000-J	IBIS	397.5	201.42	32.77	234.19	26/3.14	7/2.44	19.88	558	256	814	72.11	0.14380	2000	D16
H06-0164L002-00000-J	LARK	397.5	201.42	46.97	248.39	30/2.92	7/2.92	20.44	560	367	927	88.69	0.14420	2500	D18
H06-0164M002-00000-J	PELICAN	477	241.68	13.42	255.10	18/4.14	1/4.14	20.70	666	105	771	52.16	0.11930	2000	D16
H06-0164N002-00000-J	FLICKER	477	241.68	31.29	272.97	24/3.58	7/2.39	21.49	670	245	915	76.66	0.11190	3000	D20
H06-0164P002-00000-J	HAWK	477	241.68	39.42	281.10	26/3.44	7/2.67	21.79	670	308	978	86.65	0.11190	2000	D18
H06-0164Q002-00000-J	HEN	477	241.68	56.39	298.07	30/3.20	7/3.20	22.40	671	441	1112	105.34	0.12010	2000	D18
H06-0164R002-00000-J	OSPREY	556.5	282.00	15.68	297.68	18/4.47	1/4.47	22.35	777	122	899	60.88	0.10220	2000	D18
H06-0164S002-00000-J	PARAKEET	556.5	282.00	36.58	318.58	24/3.87	7/2.58	23.22	781	286	1067	88.22	0.10270	3000	D20
H06-0164T002-00000-J	DOVE	556.5	282.00	45.94	327.94	26/3.72	7/2.89	23.55	781	359	1140	101.03	0.10270	3000	D20
H06-0164U002-00000-J	EAGLE	556.5	282.00	65.81	347.81	30/3.46	7/3.46	24.21	783	515	1298	122.92	0.10300	3500	D22
H06-0164V002-00000-J	PEACOCK	605	306.58	39.74	346.32	24/4.03	7/2.69	24.20	849	311	1160	95.88	0.09450	3000	D22
H06-0164W002-00000-J	SQUAB	605	306.58	49.94	356.52	26/3.87	7/3.01	24.51	850	390	1240	108.14	0.09450	3000	D22
H06-0164X002-00000-J	WOODDUCK	605	306.58	71.55	378.13	30/3.61	7/3.61	25.25	851	560	1411	128.84	0.09470	3000	D22

JORDAN NEW CABLE COMPANY OVER HEAD CONDUCTORS
 ACSR
 Aluminum Conductors Steel Reinforced Cont. ASTM B 232



Code No.	Code Name	Area				Strand Wire Diameter		Approx. Overall Dia.	Approx. Weight			Nom. Breaking Load	Nominal DC Resistance at 20 Deg.C	Standard Length	Drum Size
		Nom.	Alum.	Steel	Total	Alum.	Steel		Alum.	Steel	Total				
		AWG or MCM	Sq. mm			No. / mm		mm	Kg/Km			KN	Ohm/Km	(Mtr ± 5%)	
H06-0164Y002-00000-J	TEAL	605	306.58	69.87	376.45	30/3.61	19/2.16	25.24	851	548	1399	133.59	0.09470	2000	D22
H06-0164Z002-00000-J	KINGBIRD	636	322.26	17.90	340.16	18/4.78	1/4.78	23.88	889	139	1028	69.55	0.08945	2000	D18
H06-0165A002-00000-J	ROOK	636	322.26	41.81	364.07	24/4.14	7/2.76	24.84	893	326	1219	100.83	0.08989	2500	D22
H06-0165B002-00000-J	GROSBEAK	636	322.26	52.45	374.71	26/3.97	7/3.09	25.15	893	409	1302	111.80	0.08989	3000	D22
H06-0165C002-00000-J	SCOTER	636	322.26	75.22	397.48	30/3.70	7/3.70	25.88	895	589	1484	135.44	0.09011	3000	D22
H06-0165D002-00000-J	EGRET	636	322.26	73.55	395.81	30/3.70	19/2.22	25.90	894	576	1470	140.30	0.09011	3000	D22
H06-0165E002-00000-J	SWIFT	636	322.26	8.96	331.22	36/3.38	1/3.38	23.62	888	70	958	60.52	0.08945	2000	D20
H06-0165F002-00000-J	FLAMINGO	666.6	337.74	43.81	381.55	24/4.23	7/2.82	25.40	936	342	1278	105.66	0.08577	2500	D20
H06-0165G002-00000-J	GANNET	666.6	337.74	55.03	392.77	26/4.07	7/3.16	25.76	936	429	1365	117.33	0.08577	2500	D20
H06-0165H002-00000-J	STILT	715.5	362.58	46.97	409.55	24/4.39	7/2.92	26.31	1005	367	1372	113.35	0.07989	2000	D20
H06-0165J002-00000-J	STARLING	715.5	362.58	59.03	421.61	26/4.21	7/3.28	26.68	1005	461	1466	125.91	0.07989	2500	D20
H06-0165K002-00000-J	REDWING	715.5	362.58	82.58	445.16	30/3.92	19/2.35	27.43	1006	647	1653	153.94	0.08009	2000	D20
H06-0165L002-00000-J	TERN	795	402.84	27.87	430.71	45/3.38	7/2.25	27.03	1116	217	1333	97.37	0.07191	2500	D24
H06-0165M002-00000-J	CONDOR	795	402.84	52.19	455.03	54/3.08	7/3.08	27.72	1116	408	1524	124.45	0.07191	3000	D22
H06-0165N002-00000-J	CUCKOO	795	402.84	52.19	455.03	24/4.62	7/3.08	27.74	1116	408	1524	123.94	0.07191	2000	D20
H06-0165P002-00000-J	DRAKE	795	402.84	65.51	468.48	26/4.44	7/3.45	28.11	1116	512	1628	139.92	0.07191	2000	D20
H06-0165Q002-00000-J	COOT	795	402.84	11.16	414.00	36/3.77	1/3.77	26.41	1110	88	1198	74.34	0.07156	3000	D22
H06-0165R002-00000-J	MALLARD	795	402.84	91.87	484.71	30/4.14	19/2.48	28.96	1119	719	1838	171.18	0.07208	2500	D22
H06-0165S002-00000-J	RUDDY	900	456.06	31.54	487.60	45/3.59	7/2.40	28.73	1263	247	1510	108.96	0.06351	2000	D22
H06-0165T002-00000-J	CANARY	900	456.06	59.10	515.16	54/3.28	7/3.28	29.52	1263	461	1724	140.95	0.06351	2000	D20

JORDAN NEW CABLE COMPANY OVER HEAD CONDUCTORS

A C S R

Aluminum Conductors Steel Reinforced

Cont. ASTM B 232



Code No.	Code Name	Area				Strand Wire Diameter		Approx. Overall Dia.	Approx. Weight			Nom. Breaking Load	Nominal DC Res. at 20 Deg. C	Standard Length (Mtr ± 5%)	Drum Size
		Nom.	Alum.	Steel	Total	Alum.	Steel		Alum.	Steel	Total				
		AWG or MCM	Sq. mm			No. / mm		mm	Kg/Km			KN	Ohm/Km		
H06-0165U002-00000-J	RAIL	954	483.42	33.42	516.84	45/3.70	7/2.47	29.61	1339	262	1601	115.63	0.05992	2000	D22
H06-0165V002-00000-J	CATBIRD	954	483.42	13.42	496.84	36/4.14	1/4.14	28.95	1333	105	1438	87.66	0.05962	2500	D22
H06-0165W002-00000-J	CARDINAL	954	483.42	62.65	546.07	54/3.38	7/3.38	30.42	1339	490	1829	149.36	0.05992	2500	D22
H06-0165X002-00000-J	ORTLAN	1033.5	523.68	36.19	559.87	45/3.85	7/2.57	30.81	1451	283	1734	123.10	0.05531	2000	D22
H06-0165Y002-00000-J	TANGER	1033.5	523.68	14.51	538.19	36/4.30	1/4.30	30.12	1443	113	1556	94.93	0.05504	2000	D22
H06-0165Z002-00000-J	CURLEW	1033.5	523.68	67.87	591.55	54/3.52	7/3.52	31.68	1451	530	1981	161.80	0.05531	2000	D22
H06-0166A002-00000-J	BLUEJAY	1113	563.93	39.03	602.96	45/4.00	7/2.66	31.98	1563	385	1948	132.63	0.05136	2500	D24
H06-0166B002-00000-J	FINCH	1113	563.93	71.55	635.48	54/3.65	19/2.19	32.85	1570	580	2150	174.41	0.05161	2000	D22
H06-0166C002-00000-J	BUNTING	1192.5	604.26	41.55	645.81	45/4.14	7/2.76	33.12	1674	327	2001	141.79	0.04793	2500	D24
H06-0166D002-00000-J	GRACKLE	1192.5	604.26	76.55	680.84	54/3.77	19/2.27	33.97	1682	600	2282	186.38	0.04817	2000	D22
H06-0166E002-00000-J	BITTERN	1272	644.51	44.52	689.03	45/4.27	7/2.85	34.17	1785	349	2134	151.48	0.04494	2500	D24
H06-0166F002-00000-J	PHEASANT	1272	644.51	81.63	726.19	54/3.90	19/2.34	35.10	1795	638	2433	194.00	0.04516	2000	D24
H06-0166G002-00000-J	SKYLARK	1272	644.51	17.87	662.38	36/4.78	1/4.78	33.42	1777	140	1917	115.85	0.04472	2000	D22
H06-0166H002-00000-J	DIPPER	1351.5	684.84	47.10	731.94	45/4.40	7/2.92	35.16	1898	368	2266	160.70	0.04230	2000	D22
H06-0166J002-00000-J	MARTIN	1351.5	684.84	88.71	771.55	54/4.02	19/2.41	36.17	1906	679	2585	206.05	0.04250	2000	D24
H06-0166K002-00000-J	BOBOLINK	1431	725.10	50.32	775.42	45/4.53	7/3.02	36.24	2009	393	2402	170.71	0.03994	2000	D24
H06-0166L002-00000-J	PLOVER	1431	725.10	91.87	816.97	54/4.14	19/2.48	37.24	2019	719	2738	218.24	0.04013	1000	D20
H06-0166M002-00000-J	NUTHATCH	1510.5	765.35	52.90	818.25	45/4.65	7/3.10	37.20	2120	414	2534	177.89	0.03784	2000	D24
H06-0166N002-00000-J	PARROT	1510.5	765.35	96.84	862.19	54/4.25	19/2.55	38.25	2131	759	2890	230.20	0.03802	2000	D24
H06-0166P002-00000-J	LAPWING	1590	805.68	55.48	861.16	45/4.77	7/3.18	38.16	2232	435	2667	187.02	0.03595	2000	D24
H06-0166Q002-00000-J	FALCON	1590	805.68	102.13	907.81	54/4.36	19/2.62	39.26	2243	799	3042	242.55	0.03613	2000	D24

JORDAN NEW CABLE COMPANY OVER HEAD CONDUCTORS
 A C S R
 Aluminum Conductors Steel Reinforced DIN 48204



Code No.	Area				Strand.Wire Diameter		Approx. Overall Dia.	Approx. Weight			Nom. Breaking Load	Nominal DC Res. at 20 Deg. C	Standard Length	Drum Size
	Nom. Alum./ Steel	Alum.	Steel	Total	Alum.	Steel		Alum.	Steel	Total				
	Sq. mm				No. / mm			mm	Kg/Km					
H07-0166R002-00000-J	16 / 2.5	15.3	2.55	17.8	6/1.80	1/1.80	5.40	42	20	62	5.81	1.87930	2500	D8
H07-0166S002-00000-J	25 / 4.0	23.8	4.0	27.8	6/2.25	1/2.25	6.80	65	32	97	9.02	1.20280	2000	D8
H07-0166T002-00000-J	35 / 6.0	34.3	5.7	40.0	6/2.70	1/2.27	8.10	94	46	140	12.70	0.83530	2000	D8
H07-0166U002-00000-J	44 / 32	44.0	31.7	75.7	14/2.00	7/2.40	11.20	122	250	372	45.46	0.65730	2000	D10
H07-0166V002-00000-J	50 / 8.0	48.3	8.0	56.3	6/3.20	1/3.20	9.60	132	64	196	17.18	0.59460	2000	D10
H07-0166W002-00000-J	50 / 30	51.2	29.8	81.0	12/2.33	7/2.33	11.70	141	237	378	44.28	0.56440	2000	D12
H07-0166X002-00000-J	70 / 12	69.9	11.4	81.3	26/1.85	7/1.44	11.70	193	91	284	26.31	0.41300	2000	D12
H07-0166Y002-00000-J	95 / 15	94.4	15.3	109.7	26/2.15	7/1.67	13.60	260	123	383	35.18	0.30580	3000	D14
H07-0166Z002-00000-J	95 / 55	96.5	56.3	152.8	12/3.20	7/3.20	16.00	266	446	712	80.20	0.29920	3000	D16
H07-0167A002-00000-J	105 / 75	105.7	75.5	181.2	14/3.10	19/2.25	17.50	292	599	891	106.69	0.27360	2000	D16
H07-0167B002-00000-J	120 / 20	121.6	19.8	141.4	26/2.44	7/1.90	15.50	336	158	494	44.94	0.23740	2500	D14
H07-0167C002-00000-J	120 / 70	122.0	71.3	193.3	12/3.60	7/3.60	18.00	337	564	901	98.16	0.23640	2500	D16
H07-0167D002-00000-J	125 / 30	127.9	29.8	157.7	30/2.33	7/2.33	16.30	353	238	591	57.86	0.22590	2500	D16
H07-0167E002-00000-J	150 / 25	148.9	24.2	173.1	26/2.70	7/2.10	17.10	411	194	605	54.37	0.19390	2000	D14
H07-0167F002-00000-J	170 / 40	171.8	40.1	211.9	30/2.70	7/2.70	18.90	475	319	794	77.01	0.16820	2000	D16
H07-0167G002-00000-J	185 / 30	183.8	29.8	213.6	36/3.00	7/2.33	19.00	507	239	746	66.28	0.15710	2500	D18
H07-0167H002-00000-J	210 / 35	209.1	34.1	243.2	36/3.20	7/2.49	20.30	577	273	850	74.94	0.13800	2000	D16
H07-0167J002-00000-J	210 / 50	212.1	49.5	261.6	30/3.00	7/3.00	21.00	587	394	981	92.25	0.13630	2500	D18



Code No.	Area				Strand Wire Diameter		Approx. Overall Dia.	Approx. Weight			Nom. Breaking Load	Nominal DC Res. at 20 Deg. C	Standard Length	Drum Size
	Nom. Alum./ Steel	Alum.	Steel	Total	Alum.	Steel		Alum.	Steel	Total				
	Sq. mm				No. / mm			mm	Kg/Km					
H07-0167K002-00000-J	230 / 30	230.9	29.8	260.7	24/3.50	7/2.33	21.00	638	239	874	73.09	0.1249	3500	D20
H07-0167L002-00000-J	240 / 40	243.0	39.5	282.5	26/3.45	7/2.68	21.90	671	316	985	86.46	0.1188	3500	D20
H07-0167M002-00000-J	265 / 35	263.7	34.1	297.8	24/3.74	7/2.49	22.40	728	274	1002	82.94	0.1094	3000	D20
H07-0167N002-00000-J	300 / 50	304.3	49.5	353.8	36/3.86	7/3.00	24.50	840	396	1236	105.09	0.0949	3000	D22
H07-0167P002-00000-J	305 / 40	304.6	39.5	344.1	54/2.68	7/2.68	24.10	843	317	1160	99.30	0.0949	2000	D20
H07-0167Q002-00000-J	340 / 30	339.3	29.8	369.1	48/3.00	7/2.33	25.00	938	242	1180	92.56	0.0851	2500	D22
H07-0167R002-00000-J	380 / 50	382.0	49.5	431.5	54/3.00	7/3.00	27.00	1056	397	1453	120.91	0.0757	3000	D22
H07-0167S002-00000-J	385 / 35	386.0	34.1	420.1	48/3.20	7/2.49	26.70	1067	277	1344	104.31	0.0748	2000	D20
H07-0167T002-00000-J	435 / 55	434.3	56.3	490.6	54/3.20	7/3.20	28.80	1203	450	1653	136.27	0.0666	2000	D22
H07-0167U002-00000-J	450 / 40	448.7	39.5	488.2	48/3.45	7/2.68	28.70	1241	320	1561	120.19	0.0644	2000	D22
H07-0167V002-00000-J	490 / 65	490.3	63.6	553.9	54/3.40	7/3.40	30.60	1356	510	1866	152.85	0.0590	2000	D22
H07-0167W002-00000-J	495 / 35	494.1	34.1	528.2	45/3.74	7/2.49	29.90	1363	283	1646	120.31	0.0584	2000	D22
H07-0167X002-00000-J	510 / 45	510.2	45.3	555.5	48/3.68	7/2.87	30.70	1413	365	1778	134.33	0.0566	2000	D22
H07-0167Y002-00000-J	550 / 70	550.0	71.3	621.3	54/3.60	7/3.60	32.40	1520	572	2092	167.42	0.0526	2000	D22
H07-0167Z002-00000-J	560 / 50	561.7	49.5	611.2	48/3.86	7/3.00	32.20	1553	401	1954	146.28	0.0514	2000	D22
H07-0168A002-00000-J	570 / 40	565.5	39.5	605.0	45/4.00	7/2.68	32.20	1563	325	1888	137.98	0.0506	2500	D24
H07-0168B002-00000-J	632 / 45	632.1	45.3	677.4	45/4.23	7/2.87	34.00	1754	364	2118	155.52	0.0442	2500	D24
H07-0168C002-00000-J	680 / 85	678.8	86.0	764.8	54/4.00	19/2.40	36.00	1868	702	2570	209.99	0.0426	2500	D24

JORDAN NEW CABLE COMPANY OVER HEAD CONDUCTORS

ACSR / AW

Aluminum Conductors Aluminum Clad Steel Reinforced ASTM B 549



Code No.	Code Name	Area				Strand Wire Diameter		Approx. Overall Dia.	Approx. Weight			Nom. Breaking Load	Nominal DC Resistance at 20Deg.C	Standard Length	Drum Size
		Nom.	Alum.	Alumo. -weld	Total	Alum.	Alumo. -weld		Alum.	Alumo. -weld	Total				
		AWG or MCM	Sq. mm			No. / mm			mm	Kg/Km					
H06-0179T002-00000-J	GROUSE	80.0	40.54	14.13	54.67	8/2.54	1/4.242	9.32	111	93	204	21.70	0.63580	2500	D10
H06-0179U002-00000-J	PETREL	101.8	51.58	30.08	81.66	12/2.339	7/2.339	11.70	141	201	342	44.00	0.46870	2000	D12
H06-0179V002-00000-J	MINORCA	110.8	56.14	32.76	88.90	12/2.441	7/2.441	12.20	154	219	373	47.92	0.43060	2000	D12
H06-0179W002-00000-J	LEGHORN	134.6	62.80	39.78	102.58	12/2.69	7/2.69	13.45	187	266	453	57.80	0.35350	2000	D12
H06-0179X002-00000-J	GUINEA	159.0	80.57	47.00	127.57	12/2.924	7/2.924	14.62	221	314	535	67.98	0.30000	2000	D12
H06-0179Y002-00000-J	DOTTEREL	176.9	89.64	52.29	141.93	12/3.084	7/3.084	15.42	246	349	595	75.20	0.26970	3500	D16
H06-0179Z002-00000-J	DORKING	190.8	96.68	56.40	153.03	12/3.203	7/3.203	16.01	265	377	642	81.11	0.25000	3000	D16
H06-017A0002-00000-J	BRAHMA	203.2	103.00	91.93	194.93	16/2.863	19/2.482	18.13	283	617	900	120.46	0.21600	2000	D16
H06-017A1002-00000-J	COCHIN	211.3	107.10	62.47	169.57	12/3.371	7/3.371	16.85	294	417	711	88.06	0.22570	3000	D16
H06-017A2002-00000-J	SWANATE	4	21.16	5.35	26.51	7/1.96	1/2.61	6.53	58	35	93	10.16	1.24900	2000	D8
H06-017A3002-00000-J	SPARROW	2	33.61	5.61	39.22	6/2.67	1/2.67	8.01	92	37	129	12.31	0.80790	2000	D8
H06-017A4002-00000-J	SPARATE	2	33.61	8.52	42.13	7/2.47	1/3.30	8.24	92	56	148	15.60	0.78610	2000	D8
H06-017A5002-00000-J	ROBIN	1	42.39	7.10	49.49	6/3.00	1/3.00	9.00	116	47	163	15.34	0.64040	2500	D10
H06-017A6002-00000-J	RAVEN	1 / 0	53.48	8.90	62.38	6/3.37	1/3.37	10.11	147	59	206	18.78	0.50780	2000	D10
H06-017A7002-00000-J	QUAIL	2 / 0	67.42	11.23	78.65	6/3.78	1/3.78	11.34	185	74	259	22.85	0.40280	3000	D12
H06-017A8002-00000-J	PIGEON	3 / 0	85.03	14.19	99.22	6/4.25	1/4.25	12.75	233	94	327	28.03	0.31930	2500	D14
H06-017A9002-00000-J	PENGUIN	4 / 0	107.23	17.87	125.10	6/4.77	1/4.77	14.31	294	118	412	34.15	0.25320	2000	D12
H06-017B0002-00000-J	WAXWING	266.8	135.16	7.48	142.64	18/3.09	1/3.09	15.45	373	49	422	30.03	0.20940	2000	D14
H06-017B1002-00000-J	MERLIN	336.4	170.45	9.48	179.93	18/3.47	1/3.47	17.35	470	62	532	37.66	0.16600	2500	D16
H06-017B2002-00000-J	LINNET	336.4	170.45	21.81	198.26	26/2.89	7/2.25	18.31	472	184	656	59.95	0.16100	2500	D16
H06-017B3002-00000-J	ORIOLE	336.4	170.45	39.81	210.26	30/2.69	7/2.69	18.83	473	264	737	74.65	0.15780	2000	D16
H06-017B4002-00000-J	CHICKADEE	397.5	201.42	11.16	212.58	18/3.77	1/3.77	18.85	555	74	629	43.62	0.14050	2500	D16
H06-017B5002-00000-J	IBIS	397.5	201.42	32.77	234.19	26/3.14	7/2.44	19.88	558	217	775	69.80	0.13630	2000	D16
H06-017B6002-00000-J	LARK	397.5	201.42	46.97	248.39	30/2.92	7/2.92	20.44	560	311	871	87.19	0.13350	2500	D18
H06-017B7002-00000-J	PELICAN	477.0	241.68	13.42	255.10	18/4.14	1/4.14	20.70	666	88	754	50.86	0.11710	2000	D16

JORDAN NEW CABLE COMPANY OVER HEAD CONDUCTORS

A C S R / A W

Aluminum Conductors Aluminum Clad Steel Reinforced Cont. ASTM B 549



Code No.	Code Name	Area				Strand Wire Diameter		Approx. Overall Dia.	Approx. Weight			Nom. Breaking Load	Nominal DC Resistance at 20Deg.C	Standard Length	Drum Size
		Nom.	Alum.	Alumo. -weld	Total	Alum.	Alumo. -weld		Alum.	Alumo. -weld	Total				
		AWG or MCM	Sq. mm			No. / mm			mm	Kg/Km					
H06-017B8002-00000-J	FLICKER	477.0	241.68	31.29	272.97	24/3.58	7/2.39	21.49	670	207	877	74.35	0.11480	3000	D20
H06-017B9002-00000-J	HAWK	477.0	241.68	39.42	281.10	26/3.44	7/2.67	21.80	670	261	931	83.87	0.11360	3500	D22
H06-017C0002-00000-J	HEN	477.0	241.68	56.39	298.07	30/3.20	7/3.20	22.40	671	373	1044	103.53	0.11130	2000	D18
H06-017C1002-00000-J	OSPREY	556.5	282.00	15.68	297.68	18/4.47	1/4.47	22.35	777	103	880	58.73	0.10030	2000	D18
H06-017C2002-00000-J	PARAKEET	556.5	282.00	36.58	318.58	24/3.87	7/2.58	23.22	781	242	1023	85.64	0.0984	2500	D20
H06-017C3002-00000-J	DOVE	556.5	282.00	45.94	327.94	26/3.72	7/2.89	23.55	781	304	1085	97.60	0.0973	3000	D22
H06-017C4002-00000-J	EAGLE	556.5	282.00	65.81	347.81	30/3.46	7/3.46	24.21	783	436	1219	118.96	0.0954	3500	D24
H06-017C5002-00000-J	PEACOCK	605	306.58	39.74	346.32	24/4.03	7/2.69	24.20	840	263	1103	93.08	0.0905	2500	D20
H06-017C6002-00000-J	SQUAB	605	306.58	49.94	356.52	26/3.87	7/3.01	24.51	850	330	1180	104.89	0.0895	3000	D22
H06-017C7002-00000-J	WOOD DUCK	605	306.58	71.55	378.13	30/3.61	7/3.61	25.25	851	474	1325	126.53	0.0877	3000	D22
H06-017C8002-00000-J	KINGBIRD	636	322.26	17.90	340.16	18/4.78	1/4.78	23.88	889	118	1007	66.64	0.0878	2000	D18
H06-017C9002-00000-J	ROOK	636	322.26	41.81	364.07	24/4.14	7/2.76	24.84	893	277	1170	97.88	0.0861	2500	D20
H06-017D0002-00000-J	GROSBEAK	636	322.26	52.45	374.71	26/3.97	7/3.09	25.15	893	347	1240	110.21	0.0852	2500	D20
H06-017D1002-00000-J	SCOTER	636	322.26	75.22	397.48	30/3.70	7/3.70	25.88	895	498	1393	130.29	0.0834	3000	D22
H06-017D2002-00000-J	SWIFT	636	322.26	8.96	331.22	36/3.38	1/3.38	23.62	888	59	947	60.36	0.0886	2000	D18
H06-017D3002-00000-J	FLAMINGO	666.6	337.74	43.81	381.55	24/4.23	7/2.82	25.40	936	290	1226	102.57	0.0821	2500	D22
H06-017D4002-00000-J	GANNET	666.6	337.74	55.03	392.77	26/4.07	7/3.16	25.76	936	364	1300	115.57	0.0813	2500	D20
H06-017D5002-00000-J	STILT	715.5	362.58	46.97	409.55	24/4.39	7/2.92	26.31	1005	311	1316	110.04	0.0765	2000	D20
H06-017D6002-00000-J	STARLING	715.5	362.58	59.03	421.61	26/4.21	7/3.28	26.68	1005	391	1396	122.35	0.0757	2500	D22
H06-017D7002-00000-J	REDWING	715.5	362.58	82.58	445.16	30/3.92	19/2.35	27.43	1006	547	1553	148.31	0.0743	2000	D20
H06-017D8002-00000-J	TERN	795	402.84	27.87	430.71	45/3.38	7/2.25	27.03	1116	184	1300	95.44	0.0702	2500	D22
H06-017D9002-00000-J	CONDOR	795	402.84	52.19	455.03	54/3.08	7/3.08	27.72	1116	345	1461	122.77	0.0689	3000	D22
H06-017E0002-00000-J	CUCKOO	795	402.84	52.19	455.03	24/2.62	7/3.08	27.74	1116	345	1461	122.77	0.0689	2000	D20
H06-017E1002-00000-J	DRAKE	795	402.84	65.61	468.45	26/4.44	7/3.45	28.11	1116	434	1550	135.96	0.0681	2000	D20
H06-017E2002-00000-J	COOT	795	402.84	11.16	414.00	36/3.77	1/3.77	26.41	1110	74	1184	74.09	0.0709	3000	D22

JORDAN NEW CABLE COMPANY OVER HEAD CONDUCTORS
 ACSR / AW
 Aluminum Conductors Aluminum Clad Steel Reinforced Cont. ASTM B 549



Code No.	Code Name	Area				Strand Wire Diameter		Approx. Overall Dia.	Approx. Weight			Nom. Breaking Load	Nominal DC Resistance at 20Deg.C	Standard Length	Drum Size
		Nom.	Alum.	Alumo. -weld	Total	Alum.	Alumo. -weld		Alum.	Alumo. -weld	Total				
		AWG or MCM	Sq. mm			No. / mm		mm	Kg/Km			KN	Ohm/Km	(Mtr + 5%)	
H06-017E3002-00000-J	MALLARD	795	402.84	91.87	494.71	30/4.14	19/2.48	28.96	1119	609	1728	164.91	0.0669	2500	D22
H06-017E4002-00000-J	RUDDY	900	456.06	31.54	487.60	45/3.59	7/2.40	28.73	1263	209	1472	107.09	0.0620	2000	D22
H06-017E5002-00000-J	CANARY	900	456.06	59.10	515.16	54/3.28	7/3.28	29.52	1263	391	1654	137.34	0.0608	2000	D22
H06-017E6002-00000-J	RAIL	954	483.42	33.42	516.84	45/3.70	7/2.47	29.61	1339	221	1560	113.26	0.0585	2000	D22
H06-017E7002-00000-J	CATBIRD	954	483.42	13.42	496.84	36/4.14	1/4.14	28.95	1333	88	1421	86.36	0.0591	2500	D22
H06-017E8002-00000-J	CARDINAL	954	483.42	62.65	546.07	54/3.38	7/3.38	30.42	1339	414	1753	145.59	0.0574	2500	D22
H06-017E9002-00000-J	ORTLAN	1033.5	523.68	36.19	559.87	45/3.85	7/2.57	30.81	1451	239	1690	120.55	0.0540	2000	D22
H06-017F0002-00000-J	TANAGER	1033.5	523.68	14.51	538.19	36/4.30	1/4.30	30.12	1443	96	1539	93.52	0.0545	2000	D22
H06-017F1002-00000-J	CURLEW	1033.5	523.68	67.87	591.55	54/3.52	7/3.52	31.68	1451	449	1900	155.16	0.0530	2000	D22
H06-017F2002-00000-J	BLUEJAY	1113	563.93	39.03	620.96	45/4.00	7/2.66	31.98	1563	258	1821	129.88	0.0502	2500	D24
H06-017F3002-00000-J	BUNTING	1192.5	604.26	41.55	645.81	45/4.14	7/2.76	33.12	1674	275	1949	138.86	0.0468	2500	D24
H06-017F4002-00000-J	GRACKLE	1192.5	604.26	76.58	680.84	54/3.77	19/2.27	33.97	1682	508	2190	179.00	0.0462	2000	D22
H06-017F5002-00000-J	BITTERN	1272	644.51	44.52	689.03	45/4.27	7/2.85	34.17	1785	295	2080	148.34	0.0439	2500	D24
H06-017F6002-00000-J	PHEASANT	1272	644.51	81.68	726.19	54/3.90	19/2.34	35.10	1795	541	2336	188.43	0.0433	2000	D24
H06-017M0002-00000-J	-	1272	644.51	17.87	662.38	36/4.78	1/4.78	33.42	1777	118	1895	113.94	0.0443	2000	D24
H06-017F7002-00000-J	DIPPER	1351.5	684.84	47.10	731.94	45/4.40	7/2.92	35.16	1908	312	2220	157.39	0.0413	2000	D24
H06-017F8002-00000-J	MARTIN	1351.5	684.84	86.71	771.55	54/4.02	19/2.41	36.17	1906	575	2481	200.13	0.0407	2500	D24
H06-017F9002-00000-J	BOBOLINK	1431	725.10	50.32	775.42	45/4.53	7/3.02	36.24	2019	333	2352	167.16	0.0390	2000	D24
H06-017G0002-00000-J	PLOVER	1431	725.10	91.87	816.97	54/4.14	19/2.48	37.24	2019	609	2628	211.97	0.0385	2500	D24
H06-017G1002-00000-J	NUTHATCH	1510.5	765.35	52.90	818.25	45/4.65	7/3.10	37.20	2120	350	2470	176.19	0.0370	2000	D24
H06-017G2002-00000-J	PARROT	1510.5	765.35	96.84	862.19	54/4.25	19/2.55	38.25	2131	642	2773	223.59	0.0364	2500	D24
H06-017G3002-00000-J	LAPWING	1590	805.68	55.48	861.16	45/4.77	7/3.18	38.16	2232	367	2599	185.24	0.0351	2000	D24
H06-017G4002-00000-J	FALCON	1590	805.68	102.13	907.81	54/4.36	19/2.62	39.26	2243	677	2920	235.58	0.0345	2000	D24

JORDAN NEW CABLE COMPANY OVER HEAD CONDUCTORS
H D B C
Hard Drawn Bare Copper Conductor BS 7884


Code No.	Area		Construction No. / mm	Approx. Overall Dia. mm	Approx. Weight Kg/Km	Minimum Breaking Load N	Maximum DC Resistance at 20 Deg. C Ohm/Km	Standard Length (Mtr ± 5%)	Drum Size
	Nominal	Actual							
	Sq. mm	Sq. mm							
H02-01213002-00000-J	10	10.02	7 / 1.35	4.05	89.8	3752	1.829	1000	D8
H02-012P2002-00000-J	14	14.08	7 / 1.60	4.80	126.2	5267	1.303	1000	D8
H02-012P3002-00000-J	16	16.55	3 / 2.65	5.70	148.3	6194	1.106	1000	D8
H02-01214002-00000-J	16	15.90	7 / 1.70	5.10	142.4	5946	1.154	1000	D8
H02-01215002-00000-J	25	24.23	7 / 2.10	6.30	217.3	9073	0.7563	1000	D8
H02-012P4002-00000-J	32	33.15	3 / 3.75	8.06	296.9	12400	0.5520	1000	D8
H02-012P5002-00000-J	32	33.28	7 / 2.46	7.38	298.2	12442	0.5497	1000	D8
H02-01216002-00000-J	35	34.38	7 / 2.50	7.50	308	12860	0.5337	1000	D8
H02-012P6002-00000-J	50	49.50	7 / 3.00	9.00	443.5	18520	0.3706	1000	D10
H02-01217002-00000-J	50	48.37	19 / 1.80	9.00	435.8	17700	0.3819	1000	D10
H02-012P7002-00000-J	70	69.31	7 / 3.55	10.65	621.1	25930	0.2646	1000	D10
H02-01218002-00000-J	70	65.84	19 / 2.10	10.50	593.2	24090	0.2806	1000	D10
H02-01219002-00000-J	95	93.30	19 / 2.50	12.50	840.7	34140	0.1980	1000	D10
H02-012P8002-00000-J	100	101.70	7 / 4.30	12.90	911.2	36540	0.1810	1000	D10
H02-01220002-00000-J	120	117.04	19 / 2.80	14.00	1055	42830	0.1578	1000	D10
H02-012P9002-00000-J	125	125.55	19 / 2.90	14.50	1131	45940	0.1471	1000	D10
H02-012Q1002-00000-J	150	152.87	19 / 3.20	16.00	1377	55940	0.1208	1000	D12
H02-01221002-00000-J	150	147.17	37 / 2.25	15.75	1334	53880	0.1264	1000	D12
H02-012Q2002-00000-J	185	167.54	19 / 3.35	17.75	1695	68860	0.09815	1000	D14
H02-01222002-00000-J	185	181.70	37 / 2.50	17.50	1647	66490	0.1024	1000	D14

JORDAN NEW CABLE COMPANY	OVER HEAD CONDUCTORS
S D B C	
Soft Drawn Bare Copper Conductor *	BS 6360/ IEC 60228



Code No.	Nominal Area	Construction**	Approx. Overall Dia.**	Approx. Weight	Maximum DC Resistance at 20 Deg. C	Standard Length	Drum Size
	Sq. mm	No. / mm	mm	Kg/Km	Ohm/Km	(Mtr ± 5%) - Drum	
H02-01113002-00000-2	10	7 / 1.34	4.02	85	1.8300	91.4 C	Coil
H02-01114002-00000-2	16	7 / 1.68	5.04	135	1.1500	91.4 C	Coil
H02-01115003-00000-2	25	7 / 2.25	5.90	215	0.7270	91.4 C	Coil
H02-01116003-00000-2	35	7 / 2.65	6.95	305	0.5240	91.4 C	Coil
H02-01117003-00000-J	50	7 / 3.00	8.10	415	0.3870	1500	D8
H02-01118003-00000-J	70	19 / 2.25	9.70	595	0.2680	1000	D8
H02-01119003-00000-J	95	19 / 2.65	11.50	834	0.1930	1000	D10
H02-01120003-00000-J	120	37 / 2.13	12.90	1040	0.1530	1000	D10
H02-01121003-00000-J	150	37 / 2.35	14.50	1310	0.1240	1000	D12
H02-01122003-00000-J	185	37 / 2.65	16.00	1625	0.0991	500	D10
H02-01123003-00000-J	240	37 / 3.00	18.40	2130	0.0754	500	D10
H02-01124003-00000-J	300	37 / 3.35	20.50	2670	0.0601	500	D14
H02-01125003-00000-J	400	61 / 2.96	23.40	3415	0.0470	500	D16
H02-01126003-00000-J	500	61 / 3.32	26.60	4350	0.0366	500	D16
H02-01127003-00000-J	630	61 / 3.75	29.80	5550	0.0283	500	D18
H02-01128002-00000-J	800	91 / 3.36	36.96	7280	0.0221	500	D20

*)Not used as an Over Head Conductor

**)Construction & Overall Diameter changes if the conductor shape is either RM (Round Not Compacted) or RMC (Round Compacted) as per Company, Customer, as well as International Standard Requirement «Same Resistance requirements, Weight & Packaging»

Low Voltage Twisted Cable - Aerial Bundle Cable (ABC)



Description: Twisted cable consists of thermosetting XLPE insulated cores with Aluminum conductor as per IEC 60228, twisted around the bare or insulated Aluminum Alloy messenger.

Insulated Conductors: Aluminum conductor as per IEC 60228 with XLPE Insulation (Black) as per IEC 60502 +2.5% Carbon Black, the phases are identified by color or by the number of ridges along the insulation.

Messenger: Bare or insulated Aluminum Alloy conductor as per IEC 61089

Assembling: Lay Length equal to 18 to 24 times the diameter of assembled conductor.

Characteristics of Phase and Messenger Insulated Conductors

Designation		Conductor Core				Average Thickness of the Insulation	Approximate Insulated Cond.. Diameter
Function	Nominal Cross Section	Number Of Strands	Linear Max. Resistance at 20°C	Approx. Diameter of Cond..	Breaking Load		
	mm ²	No.	Ohm/Km	mm	KN	mm	mm
Phase or Public Lighting	16	7	1.910	4.8	0.48	1.20	7.2
	25	7	1.200	6.0	0.75	1.40	8.8
	35	7	0.868	7.1	1.05	1.45	10.0
	50	7	0.641	8.4	1.50	1.50	11.4
	70	19	0.443	10.0	2.10	1.60	13.2
	95	19	0.320	11.6	2.85	1.60	14.8
Neutral Messenger	120	37	0.253	13.1	3.60	1.80	16.7
	16	7	2.200	5.1	4.44	1.20	7.5
	25	7	1.400	6.3	6.77	1.40	9.1
	35	7	0.988	7.5	9.60	1.40	10.3
	50	7	0.686	9.0	13.82	1.50	12.0
	70	7	0.504	10.5	18.81	1.60	13.7

Low Voltage Twisted Cable - Aerial Bundle Cable (ABC)



Characteristics of the Bundled Conductors

DESIGNATION		Approx. Overall Diameter	Approx. Weight	Permissible Current Rating		Voltage Drop P.F. = 0.8 V/A. Km	
Aluminum Phases and Public Lighting	Neutral Messenger			Phase Conductor in air @ 30°C	Public Lighting in air @ 30°C	Phase Conductor	Public Lighting Conductor
		mm	Kg/Km	Amp.	Amp.	Volt	Volt
1 x 16	16	14.70	142.0	93	-	3.41	-
3 x 25	25	23.67	409.0	122	-	2.18	-
3 x 35	25	26.07	504.0	138	-	1.56	-
3 x 50 + 25	35	31.80	771.0	168	122	1.09	2.18
3 x 70 + 16	50	35.40	995.0	213	83	0.78	3.41
3 x 70 + 35	70	38.50	1125.0	213	138	0.78	1.56
3 x 95 + 16	50	37.80	1232.0	258	83	0.58	3.41
3 x 95 + 25	70	40.30	1330.0	258	122	0.58	2.18
3 x 120 + 50	70	44.35	1664.0	300	168	0.55	1.09

Module Of Elasticity And Coefficient Of Linear Expansion For Various Types Of Conductors

AAC & AAAC CONDUCTORS

Construction (No. of Wires)	Final Modulus of Elasticity kg/mm ²	Coefficient of Linear Expansion Per °C
7	6000	23 x 10 ⁻⁶
19	5700	23 x 10 ⁻⁶
37	5700	23 x 10 ⁻⁶
61	5500	23 x 10 ⁻⁶

ACSR/AW CONDUCTORS

Construction (No. of Wires)	Final Modulus of Elasticity kg/mm ²	Coefficient of Linear Expansion Per °C
6 + 1	7600	19.3 x 10 ⁻⁶
6 + 7	7300	20.0 x 10 ⁻⁶
26 + 7	7300	19.1 x 10 ⁻⁶
30 + 7	7600	18.0 x 10 ⁻⁶
30 + 19	7400	18.2 x 10 ⁻⁶
54 + 7	6700	19.5 x 10 ⁻⁶
54 + 19	6500	19.6 x 10 ⁻⁶

Modulus of Elasticity and Coefficients of Linear Expansion for Common Constructions of Aluminum Conductors Steel-Reinforced (as per IEC 209)

(These values are given for information purposes only and aren't to be regarded as test requirements)

ACSR			
Number of Wires		Final Modulus of Elasticity (Practical)	Coefficient of Linear Expansion (Calculated)
Aluminum	Steel	Kg/mm ²	Per °C
6	1	8100	19.1 x 10 ⁻⁶
6	7	7700	19.8 x 10 ⁻⁶
12	7	10700	15.3 x 10 ⁻⁶
18	1	6700	21.2 x 10 ⁻⁶
24	7	7400	19.6 x 10 ⁻⁶
26	7	7700	18.9 x 10 ⁻⁶
28	7	7900	18.4 x 10 ⁻⁶
30	7	8200	17.8 x 10 ⁻⁶
30	19	8000	18.0 x 10 ⁻⁶
32	19	8200	17.5 x 10 ⁻⁶
54	7	7000	19.3 x 10 ⁻⁶
54	19	6800	19.4 x 10 ⁻⁶

1) Module values quoted may be regarded as being accurate to within ±300Kg/mm²

2) Module value may be taken as applying to conductors stressed between 15% to 40% of the ultimate strength of the conductor

3) Coefficient of linear expansion have been calculated from final (practical) Module for the aluminum and steel component of the conductors and coefficients of linear expansions of 23.0X10⁻⁶ and 11.5X10⁻⁶ per Celsius degree for aluminum and steel respectively



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