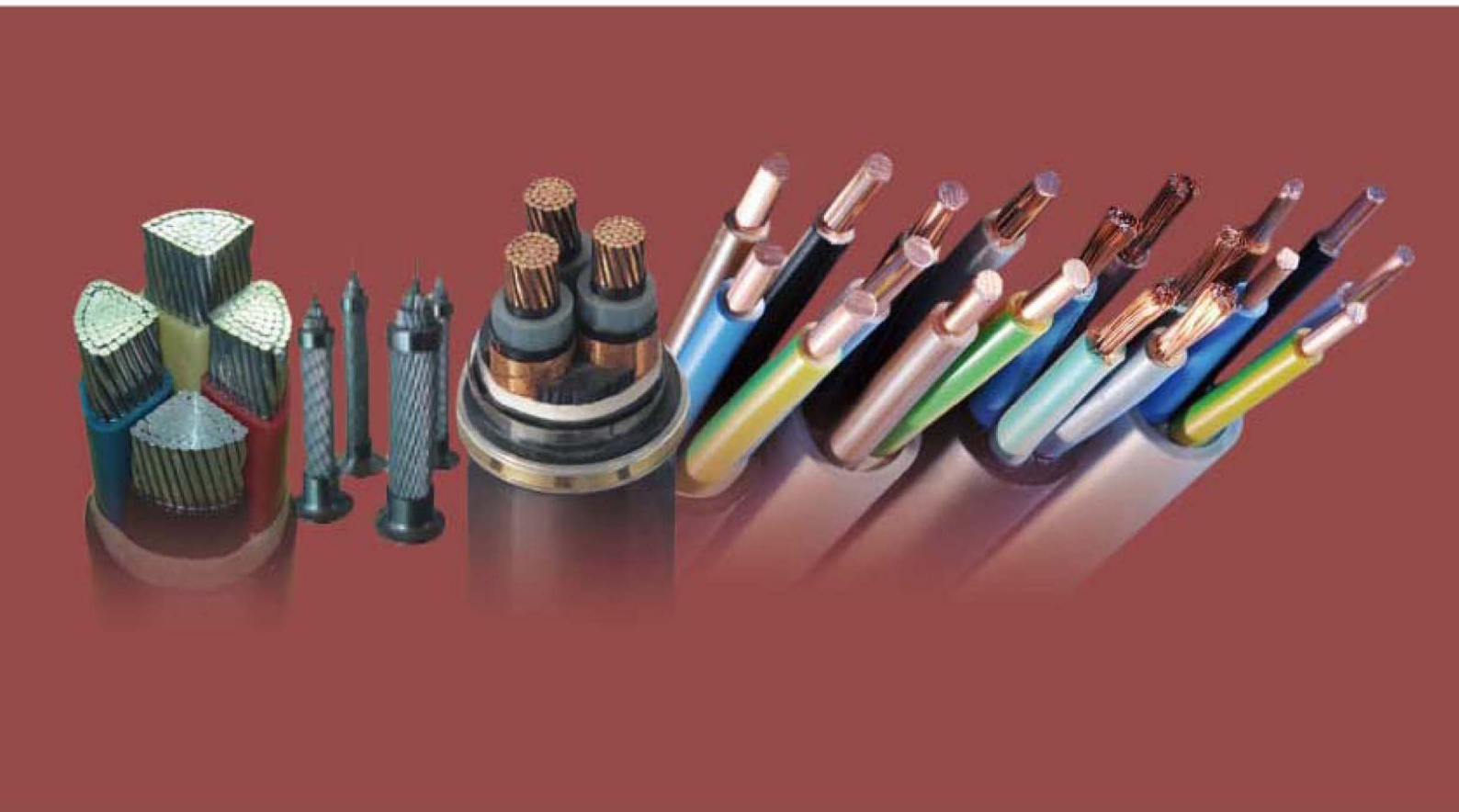
GHCABLE

Jiangsu Ganghong Electric Wire & Power Cable Co., Ltd

Since 1984



Company Introduction

Jiangsu Ganghong Electric Wire & Power Cable Co., Ltd. (GHCABLE), formerly known as Danyang Wire & Cable Factory founded in 1984, is a professional and exported manufacturer in cables and wires. It covers an area of 35.000 square meters, located in Danyang city, Jiangsu province, China.

GHCABLE specializes in UL standard cables,BS standard cables,AS/NZS standard cables, power cables,control cables, bare stranded conductosr, aerial insulated cables, building wire, flexible cord, electric wire, marine cable, rubber cable and so on. The production capacity is up to $50 million.

GHCABLE can manufacture kinds of cables and wires according to UL, BS, DIN, AS/NZS ,IEC, ASTM, ICEA, NFC etc. standards and can also do upon customers' special requirements.

GHCABLE has set up an efficient quality management and control system based on advanced production equipment and complete test facilities to guarantee product quality. So far, we have got the certificates of ISO9001, UL, CE, SASO, SAA and CCC. Our company adheres to the technical progress, maintains the reform, strengthens internal management and strives to be the best in the wire and cable industry in the world.

With high quality, competitive price and excellent service, our cables have been exported to more than 50 countries and regions, such as the USA, Australia, UK, Saudi Arabia, Tanzania, Philippines, Singapore, Cuba.

Our company's core value is high quality, best price and excellent service

Our team commits to satisfying the needs of every customer.

We are looking for cooperating with you and benefiting each other.

Company Qualification

CERTIFICATE OF COMPLIANCE

Certificate Number 20121127-E353915
Report Reference E353915-20121127
Issue Date 2012-NOVEMBER-27

Issued to: JIANGSU GANGHONG ELECTRIC WIRE & POWER CABLE CO LTD
JIANGSHU,
HUANGTANG TOWN
DANYANG
JIANGSU 212364 CHINA

This is to certify that representative samples of POWER AND CONTROL TRAY CABLE
Type TC

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 1277 - Electrical Power and Control Tray Cables with Optional Optical-Fiber Members
Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.
The UL Listing Mark generally includes the following elements: the symbol UL in a circle: with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

William R. Carney, Director, North American Certification Programs
UL LLC

CERTIFICATE OF COMPLIANCE

Certificate Number 20121127-E354502
Report Reference E354502-20121128
Issue Date 2012-NOVEMBER-27

Issued to: JIANGSU GANGHONG ELECTRIC WIRE & POWER CABLE CO LTD
JIANGSHU,
HUANGTANG TOWN
DANYANG
JIANGSU 212364 CHINA

This is to certify that representative samples of WIND TURBINE TRAY CABLE
WTTC

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: Subject 2277, Outline of Investigation for Flexible Motor Supply Cable and Wind Turbine Tray Cable
UL 1277, Electrical Power and Control Tray Cables with Optional Optical-Fiber Members
Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.
The UL Listing Mark generally includes the following elements: the symbol UL in a circle: with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

William R. Carney, Director, North American Certification Programs
UL LLC

CERTIFICATE OF COMPLIANCE

Certificate Number 20131127-E349441
Report Reference E349441-20131127
Issue Date 2013-NOVEMBER-27

Issued to: JIANGSU GANGHONG ELECTRIC WIRE & POWER CABLE CO LTD
JIANGSHU,HUANGTANG TOWN
DANYANG, JIANGSU 212364 CHINA

This is to certify that representative samples of THERMOPLASTIC-INSULATED WIRE
Type T90 Nylon

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 83/CSA C22.2 No. 75-Standard For Safety For Thermoplastic-Insulated Wires and Cables
Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Listing Mark for Canada should be considered as being covered by UL's Listing and Follow-Up Service meeting the appropriate Canadian requirements.
The UL Listing Mark for Canada includes: the UL Mark for Canada: with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier in English, French, or English/French) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

William R. Carney, Director, North American Certification Programs
UL LLC

CERTIFICATE OF COMPLIANCE

Certificate Number 20131127-E349441
Report Reference E349441-20131121
Issue Date 2013-NOVEMBER-27

Issued to: JIANGSU GANGHONG ELECTRIC WIRE & POWER CABLE CO LTD
JIANGSHU,HUANGTANG TOWN
DANYANG, JIANGSU 212364 CHINA

This is to certify that representative samples of THERMOPLASTIC-INSULATED WIRE
Type THW

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 83/CSA C22.2 No. 75-Standard For Safety For Thermoplastic-Insulated Wires and Cables
Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.
The UL Listing Mark generally includes the following elements: the symbol UL in a circle: with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

William R. Carney, Director, North American Certification Programs
UL LLC

CERTIFICATE OF COMPLIANCE

Certificate Number 20131127-E349441
Report Reference E349441-20131125
Issue Date 2013-NOVEMBER-27

Issued to: JIANGSU GANGHONG ELECTRIC WIRE & POWER CABLE CO LTD
JIANGSHU,HUANGTANG TOWN
DANYANG, JIANGSU 212364 CHINA

This is to certify that representative samples of THERMOPLASTIC-INSULATED WIRE
Type THHN

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 83/CSA C22.2 No. 75-Standard For Safety For Thermoplastic-Insulated Wires and Cables
Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.
The UL Listing Mark generally includes the following elements: the symbol UL in a circle: with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

William R. Carney, Director, North American Certification Programs
UL LLC

CERTIFICATE OF COMPLIANCE

Certificate Number 20131127-E349441
Report Reference E349441-20131122
Issue Date 2013-NOVEMBER-27

Issued to: JIANGSU GANGHONG ELECTRIC WIRE & POWER CABLE CO LTD
JIANGSHU,HUANGTANG TOWN
DANYANG, JIANGSU 212364 CHINA

This is to certify that representative samples of THERMOPLASTIC-INSULATED WIRE
Type THHW

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 83/CSA C22.2 No. 75-Standard For Safety For Thermoplastic-Insulated Wires and Cables
Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.
The UL Listing Mark generally includes the following elements: the symbol UL in a circle: with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

William R. Carney, Director, North American Certification Programs
UL LLC

CERTIFICATE OF COMPLIANCE

Certificate Number 20131127-E349441
Report Reference E349441-20131126
Issue Date 2013-NOVEMBER-27

Issued to: JIANGSU GANGHONG ELECTRIC WIRE & POWER CABLE CO LTD
JIANGSHU,HUANGTANG TOWN
DANYANG, JIANGSU 212364 CHINA

This is to certify that representative samples of THERMOPLASTIC-INSULATED WIRE
Type THWN

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 83/CSA C22.2 No. 75-Standard For Safety For Thermoplastic-Insulated Wires and Cables
Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.
The UL Listing Mark generally includes the following elements: the symbol UL in a circle: with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

William R. Carney, Director, North American Certification Programs
UL LLC

CERTIFICATE OF COMPLIANCE

Certificate Number 20131127-E349441
Report Reference E349441-20131120
Issue Date 2013-NOVEMBER-27

Issued to: JIANGSU GANGHONG ELECTRIC WIRE & POWER CABLE CO LTD
JIANGSHU,HUANGTANG TOWN
DANYANG, JIANGSU 212364 CHINA

This is to certify that representative samples of THERMOPLASTIC-INSULATED WIRE
Type TW

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 83/CSA C22.2 No. 75-Standard For Safety For Thermoplastic-Insulated Wires and Cables
Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Listing Mark for the US and Canada should be considered as being covered by UL's Listing and Follow-Up Service meeting the appropriate requirements for US and Canada.
The UL Listing Mark for the US and Canada generally includes: the UL in a circle symbol with "C" and "US" identifiers: the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

William R. Carney, Director, North American Certification Programs
UL LLC

CERTIFICATE OF COMPLIANCE

Certificate Number 20131127-E349441
Report Reference E349441-20131124
Issue Date 2013-NOVEMBER-27

Issued to: JIANGSU GANGHONG ELECTRIC WIRE & POWER CABLE CO LTD
JIANGSHU,HUANGTANG TOWN
DANYANG, JIANGSU 212364 CHINA

This is to certify that representative samples of THERMOPLASTIC-INSULATED WIRE
Type TW75, TWU75

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 83/CSA C22.2 No. 75-Standard For Safety For Thermoplastic-Insulated Wires and Cables
Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Listing Mark for Canada should be considered as being covered by UL's Listing and Follow-Up Service meeting the appropriate Canadian requirements.
The UL Listing Mark for Canada includes: the UL Mark for Canada: with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier in English, French, or English/French) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

William R. Carney, Director, North American Certification Programs
UL LLC

CERTIFICATE OF COMPLIANCE

Certificate Number 20160323-E353915
Report Reference E353915-20160323
Issue Date 2016-MARCH-23

Issued to: JIANGSU GANGHONG ELECTRIC WIRE & POWER CABLE CO LTD
JIANGSHU
HUANGTANG TOWN
DANYANG
JIANGSU 212364 CHINA

This is to certify that representative samples of POWER AND CONTROL TRAY CABLE
CNL: Control and Instrumentation Cables
Type CIC rated 600 V, 90°C.

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: CSA C22.2 No. 230 - Tray Cables.
CSA C22.2 No. 239 - Control and Instrumentation Cables.
Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Programs
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at www.ul.com/contactus

Page 1 of 1

CERTIFICATE OF COMPLIANCE

Certificate Number 20131127-E349441
Report Reference E349441-20131123
Issue Date 2013-NOVEMBER-27

Issued to: JIANGSU GANGHONG ELECTRIC WIRE & POWER CABLE CO LTD
JIANGSHU,HUANGTANG TOWN
DANYANG, JIANGSU 212364 CHINA

This is to certify that representative samples of THERMOPLASTIC-INSULATED WIRE
Type TWU

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 83/CSA C22.2 No. 75-Standard For Safety For Thermoplastic-Insulated Wires and Cables
Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Listing Mark for Canada should be considered as being covered by UL's Listing and Follow-Up Service meeting the appropriate Canadian requirements.

The UL Listing Mark for Canada includes: the UL Mark for Canada ("c" with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier in English, French, or English/French) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

William R. Carney, Director, North American Certification Programs
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at www.ul.com/contactus

Page 1 of 1

CERTIFICATE OF COMPLIANCE

Certificate Number 20131127-E349441
Report Reference E349441-20131128
Issue Date 2013-NOVEMBER-27

Issued to: JIANGSU GANGHONG ELECTRIC WIRE & POWER CABLE CO LTD
JIANGSHU,HUANGTANG TOWN
DANYANG, JIANGSU 212364 CHINA

This is to certify that representative samples of THERMOPLASTIC-INSULATED WIRE
Type TWN75

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 83/CSA C22.2 No. 75-Standard For Safety For Thermoplastic-Insulated Wires and Cables
Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Listing Mark for Canada should be considered as being covered by UL's Listing and Follow-Up Service meeting the appropriate Canadian requirements.

The UL Listing Mark for Canada includes: the UL Mark for Canada ("c" with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier in English, French, or English/French) as indicated in the appropriate UL Directory.

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William R. Carney, Director, North American Certification Programs
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Page 1 of 1


质量管理体系认证证书

江苏港宏电线电缆有限公司

GB/T 19001—2008/ISO 9001:2008

IAF CNAS


QUALITY MANAGEMENT SYSTEM CERTIFICATE OF CONFORMITY

Jiangsu Ganghong Electric Wire & Power Cable Co., Ltd.

GB/T 19001—2008/ISO 9001:2008

IAF CNAS


营业执照


Certificate of Compliance

CE

Contents

GHCABLE

TW/THW/THHW cable

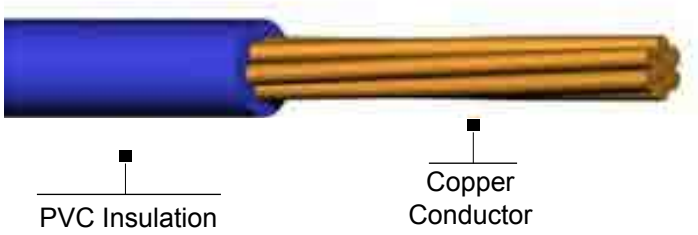
600V 60℃ /75℃ /90℃ Copper Conductor, PVC Insulated

Application

TW , THW ,THHW cables are suitable for most current wiring solutions for residential,commercial and industrial environments.It is used in service entrance, feeders and branch circuits for permanent installations.

Installation

For installation in conduits and raceways
Temperature rating not to exceed:
THHW: 90℃ dry or 75℃ wet, 600V
THW: 75℃ dry or wet , 600V
TW: 60℃ dry or wet , 600V



Standards

ASTM: B3, B8
UL: 83, 1581; UL listed: E349441

Detail Description or Construction

Conductor

Annealed copper solid or stranded sizes 14 AWG up to 1000 MCM

Insulation

Premium grade Polyvinyl Chloride
Available colors are red, white, blue, green, black, etc

Package type

coil, reel, gift box, can do upon request.

Size AWG or MCM	No. of Strands	PVC Insulation Thickness		Approx. Outside Diameter		Approx. Weight	
		mm	mil.	mm	inch	kg/km	lbs/ 1000ft
14	solid	0.76	30	4.30	0.169	33	22.2
12	solid	0.76	30	4.8	0.189	47	31.6
10	solid	0.76	30	5.4	0.213	68	45.7
8	solid	1.14	45	6.1	0.240	100	67.2
6	solid	1.52	60	7	0.276	151	101.4
14	7	0.76	30	4.50	0.177	36	24.2
12	7	0.76	30	5.10	0.201	50	33.6
10	7	0.76	30	5.80	0.228	73	49.0
8	7	1.14	45	7.40	0.291	118	79.3
6	7	1.52	60	8.50	0.335	174	116.9
4	7	1.52	60	9.80	0.386	256	172.0
2	7	1.52	60	11.30	0.445	391	262.7
1	7	2.03	80	13.50	0.531	505	339.3
1/0	19	2.03	80	14.6	0.575	622	417.9
2/0	19	2.03	80	15.8	0.622	767	515.3
3/0	19	2.03	80	17.2	0.677	950	638.2
4/0	19	2.03	80	18.8	0.740	1179	792.1
250	37	2.41	95	20.9	0.823	1404	943.2
300	37	2.41	95	22.4	0.882	1664	1117.9
350	37	2.41	95	23.8	0.937	1923	1291.9
400	37	2.41	95	25	0.984	2180	1464.5
500	37	2.41	95	27.4	1.079	2694	1809.8
600	61	2.79	110	30.4	1.197	3241	2177.3
700	61	2.79	110	32.3	1.272	3751	2519.9
750	61	2.79	110	33.2	1.307	4007	2691.9
800	61	2.79	110	34.1	1.343	4260	2861.9
900	61	2.79	110	35.8	1.409	4769	3203.8
1000	61	2.79	110	37.4	1.472	5265	3537.1

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

THHN/THWN/THWN-2 cable

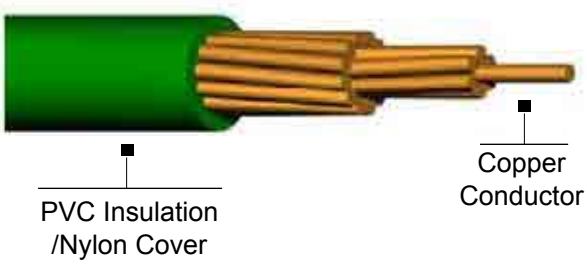
600V 90℃ /75℃ Dry or Wet PVC Insulated and Nylon Jacketed

Application

General purpose building wire for services feeders and branch circuits.

Installation

For installation in conduit and raceways
Temperature rating not to exceed:
THHN:90℃ dry and damp,600V
THWN:75℃ wet or in oil,600V
THWN-2:90℃ dry,wet or in oil,600V



Standards

UL83 for Thermoplastic Insulated Wires and Cables (THHN/THWN/THWN-2), UL listed: #E349441
UL758 for Appliance Wiring Materials(AWM)
UL1063 for Machine Tool Wire (MTW) (stranded conductors only).

Detail Description or Construction

Conductor

Annealed copper,solid or stranded
sizes 14 AWG up to 1000 MCM

Insulation

Premium grade flame retardant Polyvinyl Chloride
Available colors are red, white, blue, green, black, etc.

Jacket

Tough polyamide (Nylon)

Package type

coil, reel, gift box,can do upon request.

Size	No. of Strands	PVC Insulation Thickness		Nylon Jacket Thickness		Approx. Outside Diameter		Ampacity(A)		Approx. Weight	
AWG or MCM		mm	mil.	mm	mil.	mm	inch	75℃	90℃	kg/km	lbs/ 1000ft
14	solid	0.38	15	0.1	4	2.60	0.102	15	15	22	14.8
12	solid	0.38	15	0.1	4	3.02	0.119	20	20	34	22.8
10	solid	0.51	20	0.1	4	3.81	0.150	30	30	54	36.3
14	7	0.38	15	0.1	4	2.70	0.106	15	15	23	15.5
12	7	0.38	15	0.1	4	3.20	0.126	20	20	35	23.5
10	7	0.51	20	0.1	4	4.00	0.157	30	30	55	36.9
8	7	0.76	30	0.13	5	5.30	0.209	50	65	89	59.8
6	7	0.76	30	0.13	5	6.20	0.244	65	75	134	90.0
4	7	1.02	40	0.15	6	7.80	0.307	85	95	215	144.4
3	7	1.02	40	0.15	6	8.60	0.339	100	110	266	178.7
2	7	1.02	40	0.15	6	9.20	0.362	115	130	329	221.0
1	7	1.27	50	0.18	7	10.60	0.417	130	150	422	283.5
14	19	0.38	15	0.1	4	2.78	0.109	15	15	23	15.5
12	19	0.38	15	0.1	4	3.27	0.129	20	20	35	23.5
10	19	0.51	20	0.1	4	4.11	0.162	30	30	55	36.9
8	19	0.76	30	0.13	5	5.43	0.214	50	65	90	60.5
6	19	0.76	30	0.13	5	6.36	0.250	65	75	136	91.4
4	19	1.02	40	0.15	6	8.11	0.319	85	95	218	146.5
3	19	1.02	40	0.15	6	8.82	0.347	100	110	270	181.4
2	19	1.02	40	0.15	6	9.63	0.379	115	130	334	224.4
1	19	1.27	50	0.18	7	11.09	0.437	130	150	428	287.5
1/0	19	1.27	50	0.18	7	12.08	0.476	150	170	531	356.7
2/0	19	1.27	50	0.18	7	13.34	0.525	175	195	669	449.4
3/0	19	1.27	50	0.18	7	14.64	0.576	200	225	832	558.9
4/0	19	1.27	50	0.18	7	16.04	0.631	230	260	1037	696.7
250	37	1.52	60	0.2	8	17.79	0.700	255	290	1234	829.0
300	37	1.52	60	0.2	8	19.09	0.752	286	320	1467	985.5
350	37	1.52	60	0.2	8	20.39	0.803	310	350	1701	1142.7
400	37	1.52	60	0.2	8	21.49	0.846	335	380	1931	1297.3
500	37	1.52	60	0.2	8	23.59	0.929	380	430	2394	1608.3
600	61	1.78	70	0.23	9	26.17	1.030	420	475	2880	1934.8
750	61	1.78	70	0.23	9	28.77	1.133	475	535	3570	2398.3
1000	61	1.78	70	0.23	9	32.57	1.282	545	615	4717	3168.9

GHCABLE

Flat Pump Cable

Stranded Copper Conductors Rated 75°C, 600 Volt Water Well Cable

Application

Flat Pump Cable is for use in residential, farm, and industrial water well applications.

Standards

UL 83
Meets 2011 NEC code for submersible pump grounding requirements
Industry standard for electrical submersible pumping water systems.

Construction

Stranded copper conductors with a moisture resistant plastic insulation. Insulated conductors are assembled parallel in a flat configuration w/o ground and covered with a tough thermoplastic jacket.

Size (AWG)	Conductor stranding (No./in.)	Insulation thickness (in.)	Nominal dimensions (in.)	Approx.N. W. (lbs/1000ft)
10/2	19 x 0.0234	0.045	0.310 x 0.515	133
10/3	19 x 0.0234	0.045	0.310 x 0.730	195
8/3	19 x 0.0295	0.06	0.370 x 0.910	299
6/3	19 x 0.0372	0.06	0.410 x 1.025	411
4/3	19 x 0.0469	0.06	0.460 x 1.177	589
2/3	19 x 0.0591	0.06	0.515 x 1.350	866

UF-B Cable

Underground Feeder Cable. 600 Volt. Copper Conductors. Sunlight ,Moisture Resistant Overall PVC Jacket.

Application: UF-B cable is generally used as feeder to outside post lamps, pumps, and other loads or apparatus fed from a distribution point in an existing building as specified in the 2011 National Electrical Code. UF-B cable may be used underground, including direct burial.

Voltage rating: 600V **Operating Temperature:** 90°C

Standards: ASTM -B3 and B-8
UL83
UL493

Conductors&ground wire: Solid or stranded bare copper **Insulation:** PVC/Nylon **Jacket:** PVC

Conductors			Ground Wire		Jacket thickness (mils)	Cable OD (mils)	Approx. N.W. (lbs/1000ft)
Size (AWG)	No. of strands	Insulation Thickness (mils)	Size (AWG)	No. of strands			
TWO CONDUCTOR							
14	1	19	14	1	30	423X168	70
12	1	19	12	1	30	463X183	95
10	1	24	10	1	30	518X215	138
8	7	35	10	1	45	678X302	222
6	7	35	10	1	45	770X338	303
THREE CONDUCTOR							
14	1	19	14	1	30	581X168	95
12	1	19	12	1	30	626X183	129
10	1	24	10	1	30	727X215	191
8	7	35	10	1	45	1059X319	344
6	7	35	10	1	45	1223X361	478

NM cable

NM-B
Nonmetallic-Sheathed Cable. 600 Volt. Copper Conductors. Color-Coded Jacket.

Applications

Type NM-B (nonmetallic-sheathed cable) may be used for both exposed and concealed work in normally dry locations at temperatures not to exceed 90°C (with ampacity limited to that for 60°C conductors) as specified in the 2011 National Electrical Code. NM-B cable is primarily used in residential wiring as branch circuits for outlets, switches, and other loads. NM-B cable may be run in air voids of masonry block or tile walls where such walls are not wet or damp locations. Voltage rating for NM-B cable is 600 volts.

Standards

ASTM B-3 and B-8
UL Standard 83
UL Standard 719
Federal Specification A-A-59544
National Electrical Code, NFPA 70. 2011 Edition

Construction

Type NM-B cable is manufactured as 2, 3, or 4 conductor cable, with a bare ground wire. Copper conductors are annealed (soft) copper. Stranded conductors are compressed stranded. Four conductor available with two neutrals.Conductor insulation is 90°C-rated polyvinyl chloride (PVC), nylon jacketed. Type NM-B is designed for Easier Pulling, Resulting in Easier installation. The cable jacket is color-coded for quick size identification;White - 14 AWG, Yellow - 12 AWG, Orange - 10 AWG, and Black - 8 AWG and 6 AWG

Conductor				Ground Wire		Approx. Cable Dimension (mils)	Approx. Net Weight per 1000' (lbs)	Allowable Ampacity+	Standard Package
Size (AWG)	Numberof Conductors	Number of Strands	Insulation Thickness (mils)	Size (AWG)	Number of Strands				
TWO CONDUCTOR									
14	2	1	19	14	1	360X162	57	15	BEF
12	2	1	19	12	1	410X179	82	20	BEF
10	2	1	24	10	1	494X210	124	30	ABE
8	2	7	35	10	1	612X269	186	40	ABCD
6	2	7	35	10	1	683X304	225	55	BDF
THREE CONDUCTOR									
14	3	1	19	14	1	307	74	15	BDF
12	3	1	19	12	1	347	107	20	BE
10	3	1	24	10	1	422	164	30	BCE
8	3	7	35	10	1	565	253	40	ABCD
6	3	7	35	10	1	650	357	55	ABCD
4	3	7	46	8	1	814	560	70	BCD
2	3	7	46	8	1	952	816	95	BCD
FOUR CONDUCTOR									
14	2/2	1*	19	14	1	336	91	15	BE
14	4	1**	19	14	1	336	91	15	BE
12	2/2	1*	19	12	1	381	132	20	BE
12	4	1**	19	12	1	381	132	20	BE
10	4	1	24	10	1	465	201	30	BE

+ Ampacities per National Electrical Code section 310.15 and 334.80, 2011 Edition
Note: Jacket thickness for all NM-B cable is 30 mils
* Color code for 2/2 conductor cable is Black, White, Red and White with Red stripe.
** Color code for 4 conductor cable is Black, White, Red and Blue.

PACKAGE CODE:
A -2500' Reel
B -1000' Reel
C -500' Spool
D -125' Coil
E -250' Coil
F -500' Coil

GHCABLE

Submersible pump cable

Solid or stranded bare copper condutors; individuals PVC insulation; 3 or 4 twisted conductors
600 Volts, -40°C., Maximum 60°C.

Applications

For use with submersible pumps and irrigation equipment. For wiring only between equipment located at water wellheads and motors of submersible pumps installed in deep wells.

Standards

UL 493
CSA C22.2. No. 75;

Construction

Solid or stranded bare copper conductors; individual PVC insulation; twisted without fillers.

Size (AWG)	No. of strands	No. of strands	Groud wire (AWG)	Insulation thickness		Nom. O.D.		Approx.N.W.		Amps
				(mm)	(in.)	(mm)	(in.)	kg/km	lbs/1000ft	A
14	3	1	14	1.52	0.06	10.1	0.398	116.1	78.0	15
12	3	1	12	1.52	0.06	11.02	0.434	157.1	105.6	20
14	3	7	14	1.52	0.06	10.57	0.416	123.3	82.9	15
12	3	7	8	1.52	0.06	13.61	0.536	239.4	160.9	20
10	3	7	10	1.52	0.06	13.26	0.522	232.0	155.9	30
14	4	1	14	1.52	0.06	11.29	0.444	154.7	104.0	15
12	4	1	12	1.52	0.06	12.31	0.485	209.5	140.8	20
10	4	1	10	1.52	0.06	13.61	0.536	293.2	197.1	30
14	4	7	14	1.52	0.06	11.82	0.465	164.5	110.5	15
12	4	7	12	1.52	0.06	12.97	0.511	223.1	150.0	20
12	4	7	8	1.52	0.06	12.97	0.511	295.1	198.4	20
10	4	7	10	1.52	0.06	14.29	0.562	309.4	207.9	30
8	4	7	10	2.03	0.08	18.74	0.738	460.7	309.6	40
6	4	7	8	2.03	0.08	21.07	0.83	675.9	454.2	55
* No. of conductors includes green ground wire.										

USE-2 Aluminum

600Volt ,Aluminum Alloy(AA-8000 series) Conductor, Cross-linked Polyethylene (XLP) Insulation
Abrasion, Moisture, Heat and Sunlight Resistant

Applications

Type RHH or RHW-2 or USE-2 cables are used with conduit as specified in the NEC 2005 edition.May also be used as underground service entrance cable, for direct burial, at conductor temperatures not to exceed 90°C

- When used as RHH, conductor temperatures shall not exceed 90°C in dry locations
- When used as RHW-2 or USE-2, conductor temperatures shall not exceed 90°C in wet or dry locations

Standards

- UL 44 (RHH, RHW-2)
- UL 854 (USE-2)

Construction

RHH or RHW-2 or USE-2 aluminum cables are AA-8000 series aluminum alloy, compact stranded. Insulation is an abrasion, moisture, heat and sunlight resistant black cross-linked polyethylene (XLP).

Size	Insulation Thickness	Overall Diameter	Allowable Ampacities* (A)			Approx. Net Weight per 1000 Ft.
(AWG or kcmil)	(mils)	(mils)	60°C	75°C	90°C	(lbs)
8	60	257	30	40	45	36
6	60	292	40	50	60	49
4	60	336	55	65	75	65
2	60	391	75	90	100	94
1	80	462	85	100	115	126
1/0	80	499	100	120	135	151
2/0	80	539	115	135	150	182
3/0	80	586	130	155	175	221
4/0	80	638	150	180	205	269
250	95	713	170	205	230	326
300	95	763	190	230	255	381
350	95	809	210	250	280	435
400	95	852	225	270	305	488
500	95	929	260	310	350	595
700	110	1100	310	375	420	829
750	110	1131	320	385	435	881
1000	110	1283	375	445	500	1145

*Allowable Ampacities:

Allowable ampacities shown are for general use as specified by the NEC2005 Edition, section 310.15.

60°C - When terminated to equipment for circuits rated 100 amperes or less or marked for 14 AWG through 1 AWG conductors.

75°C - When terminated to equipment for circuits rated over 100 amperes or marked conductors larger than 1 AWG.

90°C - RHH dry locations. RHW-2 and USE-2 wet or dry locations. For ampacity derating purposes

GHCABLE

XHHW Aluminum

600 Volt. Aluminum Alloy (AA-8176) Conductor. Cross-linked Polyethylene (XLP) Insulation.
Moisture Resistant High Heat. Sunlight Resistant in Black

Applications

Type XHHW-2 conductors are primarily used in conduit or recognized raceways for services, feeders, and branch circuit wiring as specified in the National Electrical Code. XHHW-2 conductors may be used in wet or dry locations at temperatures not to exceed 90°C. Voltage rating for XHHW-2 conductors is 600 volts. Suitable for use in Health Care Facilities per section 517.160 of the NEC where a dielectric constant of 3.5 or less may be specified.

Standards

ASTM-All Applicable Standards
UL Standard 44
NOM-ANCE 90° C
National Electrical Code, NFPA 70, 2011 Edition

Construction

Type XHHW-2 aluminum conductors are AA-8000 series aluminum alloy, compact stranded. The insulation is an abrasion, moisture and heat resistant thermosetting cross-linked polyethylene. Conductor sizes AWG 2 and larger listed and marked sunlight resistant in black only.

Conductor		Insulation Thickness (mils)	Nominal O.D. (mils)	Approx. Weight per 1000' (lbs)	Allowable Ampacities		
Size (AWG or kcmil)	Numberof Strands				60° C	75° C	90° C
8	7	45	227	30	35	40	45
6	7	45	259	39	40	50	55
4	7	45	303	57	55	65	75
2	7	45	358	85	75	90	100
1	18	55	409	108	85	100	115
1/0	18	55	446	131	100	120	135
2/0	18	55	486	161	115	135	150
3/0	18	55	533	198	130	155	175
4/0	18	55	585	243	150	180	205
250	35	65	650	293	170	205	230
300	35	65	700	346	195	230	260
350	35	65	746	398	210	250	280
400	35	65	789	449	225	270	305
500	35	65	866	552	260	310	350
600	58	80	973	675	285	340	385
700	58	80	1037	777	315	375	425
750	58	80	1068	829	320	385	435
900	58	80	1162	979	355	425	480
1000	58	80	1220	1085	375	445	500

TC/WTTC

UV and oil resistant 90℃ flexible tray cable

Application

The product is a muliti-conductor, 600V,90℃ , UL listed, UV and oil resistant flexible tray cable.
The cable can be used without conduit (exposed runs).
The reduced outer diameter permits easy handing and installation in confined areas.Recommended applications are machine tools, control system, assembly lines, CNC machining centers, grinding machines, bottling equipment, data processing equipment and connections between control panels and machines.

Installation

TC cable is designed for use in all electrical equipment in dry, damp and wet conditions.Wind turbine power and control cable / WTTC is intended to be installed in cable trays or raceways within a wind turbine generator.

Outstanding characteristics or reference standards:

Oil and Sunlight resistant
FT4 rating
WTTC: UL Subject 2277
TC: UL Standard 1277
UL listed #E353915, #E354502

Temperature and voltage rating:

TC: 90℃ , 600V
WTTC: 90℃ , 1000V

Detail Description or Construction

Conductor
Bare copper strands acc. to IEC 60228 Class 5 and UL standard 758 table 5.1+UL 1581 table 20.1

Insulation

Special formulated PVC/Nylon

Color code

Black conductor with consecutive white numbers; green-yellow earth wire from 3 conductors

Stranding

In layers

Jacket material

Special sunlight and oil resistant PVC

Package type

coil, reel,can do upon request.

GHCABLE

TC/WTTC

UV and oil resistant 90°C flexible tray cable

Size AWG # Cond.	Conductor Stranding	PVC Insulation Thickness		Nylon Insulation Thickness		PVC Jacket Thickness		Approx. Outside Diameter				Ampacity (A)
		mm	mil.	mm	mil.	mm	mil.	Min. mm	Min. inch	Max. mm	Max. inch	30° C
16/3	26/30	0.38	15	0.1	4	1.14	36	7.65	0.301	8.66	0.341	18
14/3	41/30	0.38	15	0.1	4	1.14	36	8.76	0.345	9.78	0.385	25
12/3	65/30	0.38	15	0.1	4	1.14	36	10.03	0.395	11.05	0.435	30
10/3	105/30	0.51	20	0.1	4	1.14	36	12.42	0.489	13.44	0.529	40
8/3	168/30	0.76	30	0.13	5	1.52	48	17.04	0.671	18.57	0.731	40
6/3	266/30	0.76	30	0.13	5	1.52	48	19.28	0.759	21.06	0.829	75
4/3	413/30	1.02	40	0.15	6	2.03	64	23.83	0.938	25.86	1.018	95
2/3	665/30	1.02	40	0.15	6	2.03	64	27.69	1.09	30.23	1.19	110
16/4	26/30	0.38	15	0.1	4	1.14	36	8.76	0.345	9.78	0.385	18
14/4	41/30	0.38	15	0.1	4	1.14	36	9.55	0.376	10.57	0.416	25
12/4	65/30	0.38	15	0.1	4	1.14	36	10.97	0.432	11.99	0.472	30
10/4	105/30	0.51	20	0.1	4	1.52	48	14.12	0.556	15.14	0.596	40
8/4	168/30	0.76	30	0.13	5	1.52	48	18.44	0.726	19.96	0.786	40
6/4	266/30	0.76	30	0.13	5	2.03	64	21.97	0.865	23.75	0.935	75
4/4	413/30	1.02	40	0.15	6	2.03	64	25.91	1.02	27.94	1.10	95
2/4	665/30	1.02	40	0.15	6	2.03	64	30.48	1.20	33.02	1.30	110
16/5	26/30	0.38	15	0.1	4	1.14	36	9.04	0.356	10.06	0.396	18
14/5	41/30	0.38	15	0.1	4	1.14	36	10.41	0.410	11.43	0.450	25
12/5	65/30	0.38	15	0.1	4	1.14	36	11.99	0.472	12.75	0.502	30
10/5	105/30	0.51	20	0.1	4	1.52	48	15.42	0.607	16.69	0.657	40
8/5	168/30	0.76	30	0.13	5	1.52	48	20.22	0.796	22.00	0.866	40
16/7	26/30	0.38	15	0.1	4	1.14	36	9.96	0.392	10.97	0.432	18
14/7	41/30	0.38	15	0.1	4	1.14	36	11.48	0.452	12.50	0.492	25
12/7	65/30	0.38	15	0.1	4	1.14	36	12.73	0.501	14.00	0.551	30

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

Flexible Cord Rubber Type SOOW

Flexible Stranding. Flame and Ozone Resistant. for Indoor and Outdoor Use.
90°C Cord. 600 Volts. Provides Premium Oil Resistance, Water Resistance and High Flexibility.
Excellent Abrasion Resistance. NEC, Rated Extra Hard-Usage.

Applications

Type SOOW flexible cords are permitted for use as specified by Article 400 and related articles of the 2011 National Electrical Code. The cords are designed for extra hard usage on industrial equipment, heavy tools, battery chargers, portable lights welding leads, marine dockside power, power extensions and mining applications.

Standards and Characteristic

UL 62
CSA Standard 22.2 No. 49
NEC Article 400
FT1 and FT2 Flame Test
Sunlight Resistant
Water Resistant

Construction

Type SOOW flexible cords are manufactured using bare flexible stranded Class K copper conductors, with a heat, moisture and oil resistant EPDM rubber insulation. The insulated conductors are cabled with wax paper fillers. A tissue-paper separator is wrapped around the assembly to promote easy removal of the jacket. A heat, moisture and oil resistant flexible CPE jacket is extruded over the assembly to complete the construction.

Conductor Size (AWG)	Conductor Stranding (#/AWG)	Nominal Insulation Thickness (in)	Nominal Jacket Thickness (in)	Nominal Overall Diameter (in)	Weight (lbs/1000ft)	Ampacity(A)
18/2	16 X 30	0.030	0.060	0.290	71	10
18/3	16 X 30	0.030	0.060	0.310	81	10
18/4	16 X 30	0.030	0.060	0.335	95	7
16/2	26 X 30	0.030	0.060	0.315	80	13
16/3	26 X 30	0.030	0.060	0.335	98	13
16/4	26 X 30	0.030	0.060	0.360	115	10
14/2	41 X 30	0.045	0.080	0.345	151	18
14/3	41 X 30	0.045	0.080	0.370	174	18
14/4	41 X 30	0.045	0.080	0.405	210	15
12/2	65 X 30	0.045	0.095	0.415	198	25
12/3	65 X 30	0.045	0.095	0.435	232	25
12/4	65 X 30	0.045	0.095	0.475	281	20
10/2	104 X 30	0.045	0.095	0.555	247	30
10/3	104 X 30	0.045	0.095	0.580	301	30
10/4	104 X 30	0.045	0.095	0.640	363	25
Ampacity values are based on NEC Table 400-5(A) for sizes 18 AWG through 10 AWG.						

#OF CONDUCTORS	COLOR SEQUENCE
2	BLACK,WHITE
3	BLACK,WHITE,GREEN
4	BLACK,WHITE,GREEN,RED

GHCABLE

Flexible Cord Type SJTOW Plastic (PVC)

60°C to -40°C 300 Volts. PVC Jacket Sunlight, Moisture and Oil Resistant

Applications

Type SJTOW flexible cords are designed for hard usage with portable tools, equipment and motors.

Specifications

UL62

Water, oil and sunlight resistant

Construction

Type SJTOW Flexible Cords are made with bare annealead copper per ASTM B-3 Flexible, bunch-stranded per UL 62. The insulation is a color coded polyvinyl chloride (PVC) per UL 62. The conductors are assembled round with fillers as needed and a seperator applied over the assembly. The outer jacket is also PVC.

Conductor Size (AWG)	Conductor Stranding (#/AWG)	Nominal Insulation Thickness (mils)	Nominal Overall Diameter (mils)	Weight (lbs/1000ft)	Ampacity(A)
18/2	16 X 30	30	288	40	10
18/3	16 X 30	30	303	51	10
18/4	16 X 30	30	333	62	7
16/2	26 X 30	30	312	51	13
16/3	26 X 30	30	330	65	13
16/4	26 X 30	30	363	81	10
14/2	41 X 30	30	345	84	18
14/3	41 X 30	30	365	116	18
14/4	41 X 30	30	401	148	15
12/2	65 X 30	45	417	101	25
12/3	65 X 30	45	441	130	25
12/4	65 X 30	45	483	167	20
10/2	104 X 30	60	553	158	30
10/3	104 X 30	60	603	224	30
10/4	104 X 30	60	660	281	25
Ampacity values are based on NEC Table 400-5(A) for sizes 18 AWG through 10 AWG.					

Welding cable

Application

This product is intended for use as an extra hard duty cable for welding & industrial use at temperatures not exceeding 90° Celsius (194°F) and not below -50° Celsius (-58°F). It is intended for use in applications where exposure tofluids such as water, oil, grease and coolants are encountered. It may also be subjected to high flexing and physical abuse. It may also be used for portable lighting or power supply applications not exceeding 600 volts A.C. as well as welding, battery cables, electroplating and battery charger lines.

Standard
UL subject 1276

Size (Awg)	Number Strands	Nominal Jacket Thickness (Inches)	Minimum Cable O.D. (Inches)	Maximum Cable O.D. (Inches)	Nominal Cable O.D. (Inches)	Copper Weight (Lb/m Ft.)
4/0	5225x34	.158	0.870	0.930	0.900	656.2
2/0	3332x34	.115	0.670	0.730	0.700	408.20
1/0	2597X34	.120	0.630	0.690	0.660	326.63
#2	1634x34	.103	0.510	0.570	0.540	258.54
#4	1045x34	.093	0.420	0.480	0.450	128.00
#6	660x34	.080	0.340	0.400	0.370	80.72

GHCABLE

Aluminum SER SEU cable

Type SE, Style SER and SEU Service Entrance Cable 600 Volt.

Appliacations

Type SE, service entrance cable is used to convey power from the service drop to the meter base and from the meter base to the distribution panelboard; however, it may be used in all applications where Type SE cable is permitted. SE may be used in wet or dry above ground locations at temperatures not to exceed 90°C. The voltage rating is 600 volts.

Specifications

ASTM-B-800 and B-801
UL Standard 83 for THHN/THWN-2
UL Standard 44 for XHHW-2
National Electrical Code/NFPA 70, 2011 Edition

Construction

Type SE cable is constructed with compact strand soft drawn 8000 series aluminum alloy. The conductors are covered with a sunlight resistant Type XHHW-2 or Type THHN/THWN-2 insulation. A reinforcement tape is wrapped around the conductors for added strength and conformity. A gray sunlight resistant polyvinyl chloride (PVC) outer jacket covers the entire assembly. Style SEU cable has two phase conductors surrounded by a concentric neutral while the SER style has two, three or four phase conductors and a bare neutral. Style SER Cable's phase conductors are identified by a colored stripe on the insulation. 3 conductor-Black and Black with Red Stripe 4 conductor-Black, Black with White Stripe, and Black with Red Stripe 5 conductor-Black, Black with White Stripe, Black with Red Stripe and Black with Blue Stripe

Conductor	Stranding*		Nominal O.D. (mils)	Allowable Ampacities+				Approx. Net Weight per 1000' (lbs)
Size/Const. AWG or kcmil	Phase Conductor & Neutral	Equipment Ground Conductor		60° C	75° C	90° C	Dwelling	
SER Aluminum Two Conductor With Bare Ground								
6-6-6	7	7	650	40	50	60	-	150
4-4-6	7	7	745	55	65	75	-	203
4-4-4	7	7	745	55	65	75	-	217
2-2-4	7	7	864	75	90	100	100	290
2-2-2	7	7	864	75	90	100	100	309
2/0-2/0-1	12	7	1140	115	135	150	150	527
2/0-2/0-2/0	12	12	1140	115	135	150	150	587
4/0-4/0-2/0	19	12	1354	150	180	205	200	784
4/0-4/0-4/0	19	19	1354	150	180	205	200	885
SER Aluminum Three Conductor With Bare Ground								
8-8-8-8	1	1	612	30	40	45	-	136
6-6-6-6	7	7	717	40	50	60	-	196
4-4-4-6	7	7	823	55	65	75	-	252
2-2-2-4	7	7	956	75	90	100	100	359
1-1-1-3	8	7	1079	85	100	115	110	449
1/0-1/0-1/0-2	10	7	1168	100	120	135	125	540
2/0-2/0-2/0-1	12	7	1264	115	135	150	150	652
3/0-3/0-3/0-1/0	16	10	1371	130	155	175	175	786
4/0-4/0-4/0-2/0	19	12	1496	150	180	205	200	960
250-250-250-3/0	35	16	1839	170	205	230	225	1458
SER Aluminum Four Conductor With Bare Ground								
2-2-2-2-4	7	7	1059	75	90	100	100	452
2/0-2/0-2/0-2/0-1	12	7	1404	115	135	150	150	827
4/0-4/0-4/0-4/0-2/0	19	12	1672	150	180	205	200	1228
250-250-250-250-3/0	35	16	1847	170	205	230	225	1850
SEU Aluminum Two Conductor With Bare Concentric Ground								
6-6-6	7	8	430 X 687	40	50	60	-	145
4-4-4	7	12	499 X 800	55	65	75	-	198
4-4-6	7	15	474 X 775	55	65	75	-	181
2-2-2	7	14	569 X 925	75	90	100	100	283
2-2-4	7	18	554 X 910	75	90	100	100	259
2/0-2/0-2/0	18	18	736 X 1221	115	135	150	150	514
2/0-2/0-1	18	14	720 X 1205	115	135	150	150	468
4/0-4/0-4/0	18	18	878 X 1462	150	180	205	205	765
4/0-4/0-2/0	18	18	835 X 1419	150	180	205	205	691

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

Single core PVC insulated wires

Application

These cables are intended for drawing into trunking and conduit and are suitable for use in electrical installations such as power, lighting, appliances and switchgear wiring.

Harmonised code

0.75mm2 & 1.0mm2 solid conductor wire H05V-U
1.5mm2 & 2.5mm2 solid conductor wire H07V-U
1.5mm2 to 120mm2 stranded conductor wire H07V-R

Construction

Reference: 6491X or 6491X HR*
Conductor: Solid or stranded plain copper class 1 or 2 to BS6360/IEC60228-1
Insulation: PVC Type TI 1 to BS7655
* PVC Type TI 3 HR to BS7655

Standard colours

Colour: Red, Yellow, Blue, Black, Green, Yellow/Green, Brown, Grey Other colours available on request

Technical data

Max. Operating Temperature : 70°C
Rated Voltage: 450/750V (300/500V for 0.75mm2 & 1.0mm2)
Standards: Generally to BS6004

Conductor					Approx. Diameter	Approx. Weight	Approx. Carrying Capacity
Cross-Sectional Area (mm^2)	Strand	Strand (mm)	Resistance at 20° C (Ω/km)	Radial of Insulation (mm)	(mm)	(kg/km)	(A)
0.75	1	0.98	24.50	0.6	2.40	11	10
1.00	1	1.13	18.10	0.6	2.60	14	12
1.50	1	1.38	12.10	0.7	3.20	21	16
1.50	7	0.53	12.10	0.7	3.30	22	16
2.50	1	1.78	7.410	0.8	3.90	32	21
2.50	7	0.67	7.410	0.8	4.00	35	21
4.00	7	0.85	4.610	0.8	4.60	50	28
6.00	7	1.04	3.080	0.8	5.20	71	36
10.0	7	1.35	1.830	1.0	6.70	120	50
16.0	7	1.70	1.150	1.0	7.80	180	68
25.0	7	2.14	0.727	1.2	9.70	280	89
35.0	7	2.52	0.524	1.2	10.90	380	110
50.0	19	1.83	0.387	1.4	12.80	510	134
70.0	19	2.17	0.268	1.4	14.60	710	171
95.0	19	2.52	0.193	1.6	17.10	970	207
120.0	37	2.04	0.153	1.6	18.80	1200	239
150.0	37	2.25	0.124	1.8	20.90	1480	262
185.0	37	2.52	0.0991	2.0	23.30	1900	296
240.0	61	2.24	0.0754	2.0	26.60	2480	346
300.0	61	2.50	0.0601	2.2	29.60	3100	394
400.0	61	2.85	0.0470	2.6	33.20	3940	467
500.0	91	2.65	0.0366	2.8	36.90	5000	533
630.0	91	2.97	0.0283	2.8	41.10	6350	611

GHCABLE

Single core PVC insulated&sheathed wires

Application

These cables are intended for surface wiring where there is little risk of mechanical damage and are suitable for use in electrical installations such as power and lighting.

Construction

Reference: 6181Y
Conductor: Solid or stranded plain copper class 1 or 2 to BS6360/IEC60228-1
Insulation: PVC Type TI 1 to BS7655
Sheath: PVC Type TM 1 or Type 6 to BS7655

Standard colours

Colour: Red, Yellow, Blue, Black, Green, Yellow/Green, Brown, Grey Other colours available on request

Technical data

Max. Operating Temperature : 70℃
Rated Voltage: 1.0mm2 to 35.0mm2 - 300/500V
50.0mm2 and above - 600/1000V
Standards: 1.0mm2 to 35.0mm2 - BS6004
50.0mm2 and above BS6346

Conductor				Radial Thickness of Insulation (mm)	Radial Thickness of Insulation (mm)	Approx. Overall Diameter (mm)	Approx. Nett Weight (kg/km)	Approx. Current Carrying Capacity (A)
Nominal Cross-Sectional Area(mm^2)	Number of strands	Diameter of Strand	Max. Resistance at 20℃					
1.00	1	1.13	18.10	0.60	0.80	4.50	26	12
1.50	1	1.38	12.10	0.70	0.80	4.90	35	16
2.50	1	1.78	7.410	0.80	0.80	5.80	49	21
4.00	7	0.85	4.610	0.80	0.90	6.80	74	28
6.00	7	1.04	3.080	0.80	0.90	7.40	97	36
10.0	7	1.35	1.830	1.00	0.90	8.80	147	50
16.0	7	1.70	1.150	1.00	1.00	10.50	218	68
25.0	7	2.14	0.727	1.20	1.10	12.50	327	89
35.0	7	2.52	0.524	1.20	1.10	13.50	426	110
50.0	19	1.83	0.387	1.40	1.40	14.75	594	134
70.0	19	2.17	0.268	1.40	1.40	16.45	793	171
95.0	19	2.52	0.193	1.60	1.50	18.80	1062	207
120.0	37	2.04	0.153	1.60	1.50	20.48	1307	239
150.0	37	2.27	0.124	1.80	1.80	23.09	1646	262
185.0	37	2.52	0.0991	2.00	2.00	25.64	2031	296
240.0	37	2.87	0.0754	2.00	2.00	28.09	2563	346
300.0	61	2.50	0.0601	2.20	2.20	31.03	3195	394
400.0	61	2.85	0.0470	2.20	2.20	35.00	4156	467
500.0	91	2.65	0.0366	2.20	2.20	38.50	5114	533
630.0	91	2.97	0.0283	2.50	2.50	43.50	6459	611

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

Flat cable

Construction

Solid or stranded plain annealed copper conductors

PVC insulation, cores laid flat with a non- insulated circuit protective conductor (CPC), PVC sheath

Voltage Rating: 300/ 500V

Normal Operating Temperature :0˚C (min) to 70˚C (max)

Standard Colours: 2 cores: Blue & Brown 3 cores: Brown, Grey & Black Sheath: Grey

Standards: BS6004

		Current Rating		Voltage Drop				
No.of Cores & Cross Section	Cross Section Of Cpc	2 Core Single Phase Ac	3 Core Three Phase Ac	2 Core Dc	3 Core Three Phase Ac	Resistance	Nominal Diameter	Nominal Weight
no.Xmm2	mm2	amps	amps	mV/A/M	mV/A/M	ohms/km	mm	kg/km
2x1.00+	1.00+	16	-	44	-	18.1	4.20x7.70	66
2x1.50+	1.00+	20	-	29	-	12.1	4.60x8.50	84
2x2.50+	1.50+	27	-	18	-	7.41	5.40x10.20	126
2x4.00	1.50+	37	-	11	-	4.61	6.10x11.60	165
2x6.00	2.50+	47	-	7.3	-	3.08	6.90x13.30	230
2x10.00	4	64	-	4.4	-	1.83	8.20x16.50	361
2x16.00	6	85	-	2.8	-	1.15	9.40x19.20	526
3x1.00+	1.00+	-	13.5	-	38	18.1	4.20x10.00	89
3x1.50+	1.00+	-	17.5	-	25	12.1	4.60x11.30	114
3x2.50+	1.00+	-	24	-	15	7.41	5.40x13.40	166
3x4.00	1.50+	-	32	-	9.5	4.61	6.10x15.90	215
3x6.00	2.50+	-	41	-	6.4	3.08	6.90x17.90	329
3x10.00	4	-	57	-	3.8	1.83	8.20x22.30	522
3x16.00	6	-	76	-	2.4	1.15	9.40x25.90	750

Flexible wire

Construction

Flexible plain annealed copper conductors, PVC insulation, cores laid up, PVC sheath

Standard Colours: 2 core: Blue & Brown 3 core: Blue, Brown, Green/ Yellow 4 core: Black, Blue Brown & Green/ Yellow

Sheath: Black or White

Voltage Rating: 300/ 500V

Normal Operating Temperature: 0˚C (min) to 60˚C (max)

Standards: BS6500

			Current Rating		Voltage Drop					
Conductor	No.of Cores	Cross Section	2 Core Single Phase Ac	3 Core Three Phase Ac	2 Core Dc	2 Core Single Phase Ac	3 Core Three Phase Ac	Resistance	Nominal Diameter	Nominal Weight
		mm^2	amps	amps	mV/A/M	mV/A/M	mV/A/M	ohms/km	mm	kg/km
16/0.2	2	0.5	3	-	93	93	-	39	6.2	52
24/0.2	2	0.75	6	-	62	62	-	26	6.6	61
32/0.2	2	1	10	-	46	46	-	19.5	6.9	73
30/0.25	2	1.5	16	-	32	32	-	13.3	7.9	95
50/0.25	2	2.5	25	-	19	19	-	7.98	9.5	135
24/0.2	3	0.75	6	-	-	62	-	26	7	75
32/0.2	3	1	10	-	-	46	-	19.5	7.4	85
40/0.2	3	1.25+	13	-	-	37	-	15.6	8.2	106
30/0.25	3	1.5	16	-	-	32	-	13.3	8.6	118
50/0.25	3	2.5	25	-	-	19	-	7.98	10.4	175
24/0.2	4	0.75	-	6	-	-	54	26	7.6	90
32/0.2	4	1	-	10	-	-	40	19.5	8.25	105
30/0.25	4	1.5	-	16	-	-	27	13.3	9.6	148
50/0.25	4	2.5	-	20	-	-	10	7.98	12.6	261

GHCABLE

Instrumentation cable

Instrumentation cable,600/1000V,105℃

Application

These cables are suitable for internal wiring of appliances and switch, control, metering and instrument panels of switchgear, etc

Standard:BS6231

Electrical Property

Size㎡mm	Max. DC Resistance at 20 ℃	Current rating amp	Approximate volt drop constant MV/A/M
0.5	39	11	46
0.75	26	14	31
1	19.5	17	22
1.5	13.3	21	15
2.5	7.98	30	9.1
4	4.95	41	5.7
6	3.3	53	3.8
10	1.91	75	2.2
16	1.21	100	1.4
25	0.78	136	0.89
35	0.554	167	0.64
50	0.386	204	0.45
70	0.272	259	0.32
95	0.206	321	0.24
120	0.161	374	0.19
150	0.129	429	0.15
185	0.106	496	0.13
240	0.0801	595	0.092
300	0.0641	680	0.073
400	0.06	868	@70 0.145

The above voltage drop figures are for one cable only. For other circuit arrangements they should be adjusted as follows:

Single-phase 50Hz AC or 2-wire DC circuit's	x2
Three-phase 50Hz AC circuit's	x1.732

Main parameter

Size(mm)	Stranding(mm)	Size AWG	UL Style number	Nominal Insulation Thickness(mm)	Nominal overall diameter(mm)	Weight(kg/km)
0.5	16/0.20	22	1015	0.8	2.6	12
0.75	24/0.20	20	1015	0.8	2.8	15
1	32/0.20	18	1015	0.8	3	18
1.5	30/0.25	16	1015	0.9	3.3	23
2.5	50/0.25	14	1015	1.0	3.7	34
4	56/0.30	12	1015	1.0	4.4	50
6	84/0.30	10	1015	1.3	5.1	71
10	80/0.40	8	1015	1.5	6.9	123
16	126/0.40	6	1015	1.5	8.6	209
25	196/0.40	4	1015	1.6	10.5	296
35	276/0.40	2	1015	2.0	11.9	400
50	396/0.40	1	1015	2.0	14.4	582
70	360/0.50	2/0	1015	2.0	16.7	796
95	475/0.50	3/0	1015	2.3	19	1025
120	608/0.50	4/0	1015	2.4	20.5	1282
150	756/0.50	MCM300	1015	2.4	23.14	1627
185	925/0.50	MCM350	1015	2.4	25.4	1959
240	1221/0.50	MCM500	1015	2.8	28.66	2254
300	1525/0.50	MCM600	1015	2.8	31.5	3157
400	2013/0.50	MCM800	1015	2.8	36	4051

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

1C PVC (SDI) V-90

Application

For mains, submains and subcircuits unenclosed, enclosed in conduit,buried or in underground ducts for buildings and industrial plants where not subject to mechanical damage.

Conductor

Plain annealed copper conductor to AS/NZS 1125

Maximum continuous operating temperature: 75 ˚C

Can also be operated at temperatures up to 90˚C when not exposed to mechanical deformation (see AS/NZS 3008.1)

Insulation

V-90 PVC

Colours: Red, Black

Sheath:3V-90 PVC

Rated Voltage:450/750V

Standard: AS/NZS 5000.2.

Physical & Electrical Characteristics

Product Code	Conductor			Cable				Min. installed bending radius mm
	Nominal C.S.A. mm^2	Number And Diameter Of Wires No/mm	Nominal Diameter mm	Nominal Insulation Thickness mm	Overall diameter		Approx. mass kg/100m	
					Minimum mm	Maximum mm		
1.0SSDI	1.0*	1/1.13	1.13	0.6	3.9	4.1	2.9	15
1.5SDI	1.5	7/0.50	1.5	0.6	4.3	4.5	3.5	20
2.5SSDI	2.5	1/1.78	1.78	0.7	4.8	5.0	4.9	20
2.5SDI	2.5	7/0.65	2.0	0.7	5.0	5.2	5.1	20
4SDI	4	7/0.85	2.6	0.8	6.0	6.2	7.4	25
6SDI	6	7/1.04	3.1	0.8	6.5	6.7	10	25
10SDI	10	7/1.35	4.1	1.0	7.8	8.2	15	35
16SDI	16	7/1.70	5.1	1.0	9.1	9.4	22	40

GHCABLE

Flat Cable

Application

For general wiring, unenclosed, enclosed in conduit, for domestic, commercial and industrial installations where not subject to mechanical damage.

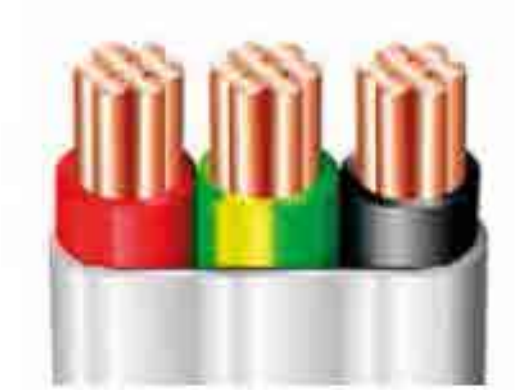
Temperature range

Normal operating temperature: +90˚C
Minimum operating temperature: 0˚C

Conductor

Plain annealed copper conductor to AS/NZS 1125
Can also be operated at temperatures up to 90˚C
when not exposed to mechanical deformation

(see AS/NZS 3008.1).



Insulation

V-90 PVC

Colours

2C:Red, Black,
3C: Red, White, Blue
2C+E:Red, Black, Green/Yellow
3C+E:Red, White, Blue, Green/Yellow

Sheath

3V-90 PVC
Colour: White
Rated Voltage:450/750V
Standard: AS/NZS 5000.2.

Physical & Electrical Characteristics

TWIN FLAT PVC

Product Code	Insulation Colours	Conductor			Cable						Min. installed bending radius(a) mm
		Nominal C.S.A. mm^2	Number and diameter of wires no/mm	Nominal diameter mm	Nominal insulation thickness mm	Overall diameter mm				Approx. mass kg/100m	
						Minimum		Maximum			
						Major axis	Major axis	Major axis	Major axis		
1.0STWH	Red.Black	1.0*	1/1.13	1.13	0.6	6.4	4.2	6.6	4.3	5.2	15
1.5TWH	Red.Black	1.5	7/0.50	1.5	0.6	7.1	4.5	7.3	4.6	6.4	20
2.5TWH	Red.Black	2.5	7/0.67	2.0	0.7	8.7	5.4	8.9	5.5	10	20
4TWH	Red.Black	4	7/0.85	2.6	0.8	10.4	6.3	10.7	6.5	15	25
6TWH	Red.Black	6	7/1.04	3.1	0.8	11.5	6.9	11.9	7.1	20	30
10TWH	Red.Black	10	7/1.35	4.1	1.0	14.2	8.4	15.0	8.8	31	35
16TWH	Red.Black	16	7/1.70	5.1	1.0	16.7	9.7	17.3	10.0	45	40

3C FLAT PVC

Product Code	Nominal C.S.A. mm²	Conductor			Cable					Min. installed bending radius(a) mm
		Number and diameter of wires No/mm	Nominal diameter mm	Nominal insulation thickness mm	Overall diameter mm				Approx. mass kg/100m	
					Minimum		Maximum			
					Major axis	Major axis	Major axis	Major axis		
1.0S3CF	1.0*	1/1.13	1.13	0.6	8.8	4.1	9.0	4.3	8	20
1.53CF	1.5	7/0.50	1.5	0.6	9.8	4.5	10.1	4.6	10	20
2.53CF	2.5	7/0.67	2.0	0.7	12.1	5.4	12.4	5.5	15	20

2C+E FLAT PVC

Product Code	Nominal C.S.A. mm²	Conductor			Cable					Min. installed bending radius(a) mm
		Number and diameter of wires no/mm	Nominal diameter mm	Nominal insulation thickness mm	Overall diameter mm				Approx. mass kg/100m	
					Minimum		Maximum			
					Major axis	Major axis	Major axis	Major axis		
1.0STE	1.0*	1/1.13	1.13	0.6	9.1	4.5	9.3	4.6	8	20
1.5TE	1.5	7/0.50	1.5	0.6	9.8	4.5	10.1	4.6	10	20
2.5STE	2.5*	1/1.78	1.78	0.7	11.7	5.4	11.9	5.5	14	20
2.5TE	2.5	7/0.67	2.0	0.7	12.1	5.4	12.4	5.5	15	20
4TE	4	7/0.85	2.6	0.8	13.8	6.3	14.1	6.5	19	30
6TE	6	7/1.04	3.1	0.8	14.9	6.9	15.3	7.1	24	30
10TE	10	7/1.35	4.1	1.0	18.9	8.4	19.6	8.8	38	35
16TE	16	7/1.70	5.1	1.0	21.8	9.7	22.5	10.0	54	40

3C+E FLAT PVC

Product Code	Nominal C.S.A. mm²	Conductor			Cable					Min. installed bending radius(a) mm
		Number and diameter of wires no/mm	Nominal diameter mm	Nominal insulation thickness mm	Overall diameter mm				Approx. mass kg/100m	
					Minimum		Maximum			
					Major axis	Major axis	Major axis	Major axis		
1.0S3CEF	1.0*	1/1.13	1.13	0.6	11.4	4.5	11.7	4.6	10	20
1.53CEF	1.5	7/0.50	1.5	0.6	12.4	4.5	12.8	4.6	12	20
2.53CEF	2.5	7/0.67	2.0	0.7	15.4	5.4	15.8	5.5	19	20
43CEF	4	7/0.85	2.6	0.8	17.9	6.3	18.3	6.5	26	25
63CEF	6	7/1.04	3.1	0.8	19.5	6.9	20.1	7.1	33	30
103CEF	10	7/1.35	4.1	1.0	24.9	8.4	25.8	8.8	52	35
163CEF	16	7/1.70	5.1	1.0	28.8	9.7	29.7	10.0	75	40

GHCABLE

Circular Power Cable

Application

For mains, submains and subcircuits unenclosed, in conduit, buried direct or in underground ducts for buildings and industrial plants where not subject to mechanical damage. Suitable where space is at a premium and/or where conditions of overload may occur.

Conductor

Plain annealed copper conductor to AS/NZS 1125
Maximum continuous operating temperature: 90℃

Insulation

V-90 XLPE

Colours

2C+E:Red, Black, Green/Yellow,
3C+E: Red, White, Blue, Green/Yellow
4C+E :Red, White, Blue, Black, Green/Yellow

Sheath

5V-90 PVC
Colours: Orange
Rated Voltage:600/1000V
Standard: AS/NZS 5000.1.

Physical & Electrical Characteristics

Product Code	Conductor			Cable				Min. installed bending radius mm
	Nominal C.S.A. mm^2	Number And Diameter Of Wires No/mm	Nominal Diameter mm	Nominal Insulation Thickness mm	Overall diameter		Approx. mass kg/100m	
					Minimum	Maximum		
1.52CEXLP	1.5	7/0.50	1.5	0.7	9.6	10.4	15	42
2.52CEXLP	2.5	7/0.67	2.0	0.7	10.8	11.7	20	47
42CEXLP	4	7/0.85	2.6	0.7	11.6	12.5	25	50
62CEXLP	6	7/1.04	3.1	0.7	12.6	13.6	30	54
102CEXLP	10	7/1.35	4.1	0.7	14.4	15.4	42	62
162CEXLP	16	7/1.70	5.1	0.7	16.8	17.7	55	71

Product Code	Conductor			Cable				Min. installed bending radius mm
	Nominal C.S.A. mm²	Number And Diameter Of Wires No/mm	Nominal Diameter mm	Nominal Insulation Thickness mm	Overall diameter		Approx. mass kg/100m	
					Minimum	Maximum		
253CEXLP	25*	19/1.35	6.8	0.9	21.6	22.6	104	90
353CEXLP	35	19/1.53	7.7	0.9	24.2	25.3	137	150
503CEXLP	50	19/1.78	8.9	1.0	27.4	28.7	185	170
703CEXLP	70	19/2.14	10.7	1.1	32.1	33.3	256	200
953CEXLP	95	19/2.45	12.5	1.1	36.0	37.3	339	220
1203CEXLP	120	37/2.03	14.2	1.2	40.1	41.4	425	250
1503CEXLP	150	37/2.25	15.8	1.4	44.8	46.3	528	280
1853CEXLP	185	37/2.52	17.6	1.6	50.4	51.9	669	310
2403CEXLP	240	61/2.25	20.3	1.7	56.9	58.5	872	350
3003CEXLP	300	61/2.52	22.7	1.8	63.0	64.8	1089	390

Product Code	Conductor			Cable				Min. installed bending radius mm
	Nominal C.S.A. mm²	Number And Diameter Of Wires No/mm	Nominal Diameter mm	Nominal Insulation Thickness mm	Overall diameter		Approx. mass kg/100m	
					Minimum	Maximum		
254CEXLP	25*	19/1.35	6.8	0.9	24.0	25.1	132	150
354CEXLP	35	19/1.53	7.7	0.9	26.8	28.1	175	170
504CEXLP	50	19/1.78	8.9	1.0	30.8	32.2	237	190
704CEXLP	70	19/2.14	10.7	1.1	36.1	37.3	328	220
954CEXLP	95	19/2.45	12.5	1.1	40.6	42.1	439	250
1204CEXLP	120	37/2.03	14.2	1.2	45.3	46.7	550	280
1504CEXLP	150	37/2.25	15.8	1.4	50.7	52.3	684	310
1854CEXLP	185	37/2.52	17.6	1.6	57.0	58.6	862	350
2404CEXLP	240	61/2.25	20.3	1.7	64.4	66.2	1127	400
3004CEXLP	300	61/2.52	22.7	1.8	71.3	73.3	1407	440

GHCABLE

PVC Insulated Power Cable

Extruded PVC insulation with rated voltage 0.6/1KV

Standard:IEC60502

Operating features

Operating temperature

Max. Permissible continuous operating temperature of Conductors shall not exceed 70˚C

Conductor Short circuit temperature

Not exceeding 160˚C .(Max. duration 5 seconds)

Bending radius:

Bending radius of single core cable: 20D

Bending radius multi-core cable: 15D

D=Actual overall diameter of cable (mm)

Installation temperature:

The lowest temperature of installation is 0˚C .

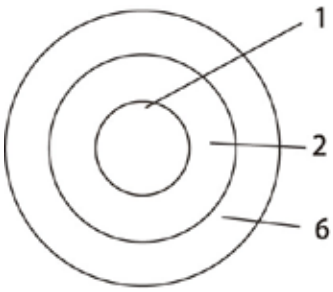
Laying conditions and basic parameters for calculating current ratings:

Method of laying	Ambient temperature
In air	40˚C
Direct burial	25˚C

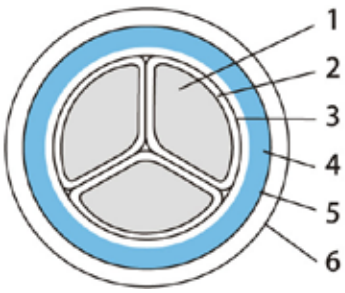
Soil thermal resistivity 1.0˚C ·m/W

Layout of single core cables: In triangle (Touch each other)

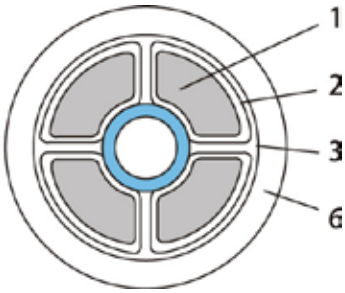
Sketches of product construction



Single-core non-armoured cable



Three-core armoured cable



“4+1” core non-armoured cable

1.Conductor 2.PVC Insulation 3.Filler 4.Inner Cover 5.Armour 6.Outer sheath

Scope of cables

No .of cores	Nominal area of condutor (mm²)		
	V V 、 VLV	V V $_{22}$、 VLV $_{22}$	V V$_{32}$、 VLV$_{32}$
1*	1.5-400	10-300	10-300
2	1.5-240	4-300	25-185
3	1.5-240	4-300	4-240
3+1	4-240	4-300	25-185
4	4-240	4-240	25-185
3+2	4-300	4-300	
4+1	4-240	4-240	
5	4-95	4-95	

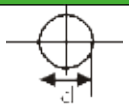
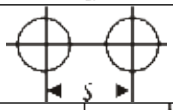
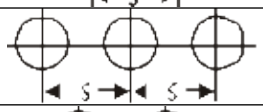
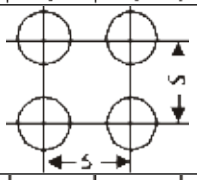
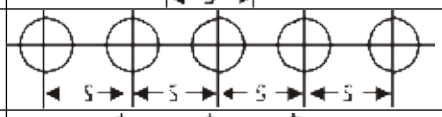
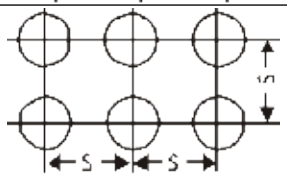
* Non-magnetic matrials shall be applied for the armor of single core cable.

Type,Description And Main Applications

Type	Description	Main application
VV VLV	Cu or Al conductor PVC insulated PVC sheathed power cable	For laying indoor and outdoor, unable to bear extermal mechanical force but the tractive force during laying. Laying Single core cable in magnetic duct is not permissible.
V V 22 VLV22	Cu or Al conductor insulated steel tape armoured PVC sheathed power cable	For laying underground, able to bear external mechanical force, but unable to bear large pulling force.
V V32 VLV32	Cu or Al conductor XLPE insulated fine steel wire armoured PVC sheathed power cable	For laying underground, vertical well, or underwater, able to bear certain pulling force.

Note: ZR is added in the front of the type of common power cable to form flame resistant power cable type. e.g. ZR-VV,ZR-VLV22,ZR-VV32 and so on.

Rating Factors Of Current Parallel Installation Of Multi Cables In Air

Nos installed	Arrangement	S=d	S=2d	S=3d
1		1.00	1.00	1.00
2		0.85	0.95	1.00
3		0.80	0.90	1.00
4		0.70	0.90	0.95
5		0.70	0.90	0.95
6		0.60	0.90	0.95

Note:d =O.D of cable,S=The distance between the two adjacent cable center.

GHCABLE

Single- Core PVC Insulated PVC Sheathed Power Cable

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Nom. sheath thickness mm	Approx OD of cable mm	Apporx weight of cable kg/km		Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
									Direct in ground		Run in air	
					VV	VLV	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	1.5	0.8	1.4	6	51	42	12.1	-	-	-	-	-
	2.5	0.8	1.4	7	64	49	7.41	12.1	36	27	25	19
	4	1.0	1.4	8	90	65	4.61	7.41	47	35	33	26
	6	1.0	1.4	8	113	76	3.08	4.61	58	46	41	34
	10	1.0	1.4	9	158	98	1.83	3.08	78	58	57	44
	16	1.0	1.4	10	221	125	1.15	0.91	100	76	76	59
	25	1.2	1.4	12	321	171	0.727	1.20	130	98	98	76
	35	1.2	1.4	13	420	210	0.524	0.868	155	115	115	90
	50	1.4	1.4	15	579	279	0.387	0.641	185	140	145	110
	70	1.4	1.5	17	778	358	0.268	0.443	225	170	180	140
	95	1.6	1.5	19	1032	462	0.193	0.320	270	205	225	175
	120	1.6	1.6	20	1276	556	0.153	0.253	310	235	260	200
	150	1.8	1.7	22	1585	684	0.124	0.206	350	265	300	230
	185	2.0	1.7	24	1933	822	0.0991	0.164	395	300	345	270
	240	2.2	1.8	27	2477	1036	0.0754	0.125	455	350	410	320
	300	2.4	1.9	30	3074	1273	0.0601	0.100	515	395	475	370

Two-Core PVC Insulated PVC Sheathed Power Cable

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Steel tape thickness mm	Nom. sheath thickness mm		Approx OD of cable mm		Apporx weight of cable kg/km				Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
														Direct in ground		Run in air	
				VV VLV	V V22 VLV22	VV VLV	V V22 VLV22	VV	VLV	V V22	VLV22	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	1.5	0.8	0.2	1.8	-	11	-	124	105	-	-	12.1	20.16	26	-	17	-
	2.5	0.8	0.2	1.8	-	12	-	151	120	-	-	7.41	12.1	34	26	23	18
	4	1.0	0.2	1.8	1.8	14	16	213	164	361	312	4.61	7.41	44	35	31	24
	6	1.0	0.2	1.8	1.8	15	17	271	197	430	356	3.08	4.61	556	45	38	32
	10	1.0	0.2	1.8	1.8	17	19	364	244	548	428	1.83	3.08	76	59	53	42
	16	1.0	0.2	1.8	1.8	19	21	494	302	702	509	1.15	1.91	100	77	71	55
	25	1.2	0.2	1.8	1.8	22	24	702	402	946	646	0.727	1.20	125	100	90	70
	35	1.2	0.2	1.8	1.8	24	25	902	482	1170	749	0.524	0.868	155	120	110	86
	50	1.4	0.2	1.8	1.8	23	26	1182	580	1418	829	0.387	0.641	185	145	135	105
	70	1.4	0.2	1.9	1.9	25	28	15779	737	1849	1016	0.268	0.443	230	175	165	130
	95	1.6	0.5	2.0	2.1	29	33	2111	969	2478	1606	0.193	0.320	275	210	210	165
	120	1.6	0.5	2.1	2.2	31	35	2598	1156	3218	1839	0.153	0.253	310	245	245	190
	150	1.8	0.5	2.2	2.3	34	38	3232	1429	3958	2172	0.124	0.206	350	275	280	215
	185	2.0	0.5	2.4	2.4	38	42	3974	1749	4787	2562	0.0991	0.164	395	310	320	250
	240	2.2	0.5	2.6	2.6	42	46	5092	2206	5948	3093	0.0754	0.125	455	350	375	295

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

Three-Core PVC Insulated PVC Sheathed Power Cable

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Steel tape thickness mm	Nom. sheath thickness mm		Approx OD of cable mm		Apporx weight of cable kg/km				Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
														Direct in ground		Run in air	
				VV VLV	V V22 VLV22	VV VLV	V V22 VLV22	VV	VLV	VV22	VLV22	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	1.5	0.8	-	1.8	-	11	-	147	119	-	-	12.1	18.9	22	-	15	-
	2.5	0.8	-	1.8	-	12	-	186	139	-	-	7.41	12.1	29	23	19	15
	4	1.0	0.2	1.8	1.8	14	17	261	187	417	343	4.61	7.41	38	30	26	20
	6	1.0	0.2	1.8	1.8	15	18	332	220	500	389	3.08	4.61	47	39	32	26
	10	1.0	0.2	1.8	1.8	18	20	464	283	658	478	1.83	3.08	65	50	46	35
	16	1.0	0.2	1.8	1.8	20	22	658	369	878	589	1.15	1.91	84	65	60	47
	25	1.2	0.2	1.8	1.8	23	26	958	508	1218	767	0.727	1.20	110	84	77	60
	35	1.2	0.2	1.8	1.8	25	28	1253	621	1538	906	0.524	0.868	130	100	95	74
	50	1.4	0.2	1.8	1.9	26	28	1718	817	1991	1108	0.387	0.641	155	120	115	90
	70	1.4	0.2	1.9	2.0	28	32	2298	1036	2894	1645	0.268	0.443	195	150	145	115
	95	1.6	0.5	2.1	2.2	32	36	3101	1388	2808	2095	0.193	0.320	230	185	185	140
	120	1.6	0.5	2.2	2.3	35	39	3822	1658	4585	2420	0.153	0.253	260	205	210	165
	150	1.8	0.5	2.4	2.4	39	43	4762	2057	5548	2871	0.124	0.206	300	230	245	190
	185	2.0	0.5	2.5	2.6	43	47	5836	2500	6764	3429	0.0991	0.164	335	260	280	215
	240	2.2	0.5	2.7	2.7	48	52	7489	3162	8438	4155	0.0754	0.125	390	300	335	260

(3+1)-Core PVC Insulated PVC Sheathed Power Cable

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Steel tape thickness mm	Nom. sheath thickness mm		Approx OD of cable mm		Apporx weight of cable kg/km				Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
														Direct in ground		Run in air	
				VV VLV	V V22 VLV22	VV VLV	V V22 VLV22	VV	VLV	V V22	VLV22	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	3x4+1x2.5	1.0 0.8	0.2	1.8	1.8	15	17	304	215	481	391	4.61 7.41	7.41 12.1	38	30	26	20
	3x6+1x4	1.0 1.0	0.2	1.8	1.8	16	19	398	261	593	457	3.08 4.61	4.61 7.41	47	39	32	26
	3x10+1x6	1.0 1.0	0.2	1.8	1.8	17	21	546	328	778	560	1.83 3.08	3.08 4.61	65	50	46	35
	3x16+1x1x10	1.0 1.0	0.2	1.8	1.8	21	24	790	441	1045	696	1.15 1.83	1.91 3.08	84	65	60	47
	3x25+1x16	1.2 1.0	0.2	1.8	1.8	25	27	1148	601	1499	902	0.727 1.15	1.20 1.91	110	84	77	60
	3x35+1x16	1.2 1.0	0.2	1.8	1.8	26	29	1439	712	1763	1036	0.524 1.15	0.868 1.91	130	100	95	74
	3x50+1x25	1.4 1.2	0.5	1.9	1.9	27	30	2008	955	2617	1564	0.387 0.727	0.641 1.20	155	120	115	90
	3x70+1x935	1.4 1.2	0.5	2.0	2.0	30	34	2718	1245	3372	1924	0.268 0.524	0.443 0.868	195	150	145	115
	3x95+1x950	1.6 1.4	0.5	2.2	2.2	35	38	3657	1644	4415	2425	0.193 0.387	0.320 0.641	230	185	185	140
	3x120+1x70	1.6 1.4	0.5	2.3	2.3	38	41	4568	1983	5423	2843	0.153 0.268	0.253 0.443	260	205	210	165
	3x150+1x70	1.8 1.4	0.5	2.4	2.4	42	45	5499	1373	6452	3330	0.124 0.268	0.206 0.443	300	230	245	190
	3x185+1x95	2.0 1.6	0.5	2.6	2.6	46	50	6844	2936	7862	3989	0.0981 0.193	0.164 0.320	335	260	280	215
	3x240+1x120	2.2 1.6	0.5	2.8	2.8	52	56	8737	3687	9938	4888	0.0754 0.153	0.125 0.253	390	300	335	260

GHCABLE

Four-Core Same Cross Section PVC Insulated PVC Sheathed Power Cable

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Steel tape thickness mm	Nom. sheath thickness mm		Approx OD of cable mm		Apporx weight of cable kg/km				Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
														Direct in ground		Run in air	
				VV VLV	V V22 VLV22	VV VLV	V V22 VLV22	VV	VLV	V V22	VLV22	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	4	1.0	0.2	1.8	1.8	15	18	328	229	497	398	4.61	7.41	38	30	26	20
	6	1.0	0.2	1.8	1.8	17	19	420	272	604	456	3.08	4.61	47	39	32	26
	10	1.0	0.2	1.8	1.8	19	22	598	357	813	570	1.83	3.08	65	50	45	35
	16	1.0	0.2	1.8	1.8	22	24	852	467	1096	709	1.15	1.91	84	65	60	47
	25	1.2	0.2	1.8	1.8	25	28	1247	645	1538	933	0.727	1.20	110	84	77	60
	35	1.2	0.5	1.8	1.8	28	31	1635	793	2245	1397	0.524	0.868	130	100	95	74
	50	1.4	0.5	1.9	2.0	29	33	2256	1053	2862	1676	0.387	0.641	155	120	115	90
	70	1.4	0.5	2.1	2.1	32	36	3044	1360	3726	2047	0.268	0.443	195	150	145	115
	95	1.6	0.5	2.2	2.3	36	41	4073	1789	4898	2597	0.193	0.320	230	185	185	140
	120	1.6	0.5	2.3	2.4	40	44	5032	2147	5926	3021	0.153	0.253	260	205	210	165
	150	1.8	0.5	2.5	2.6	44	48	6293	2687	7236	3641	0.124	0.206	300	230	245	190
	185	2.0	0.5	2.7	2.7	49	53	7733	3284	8832	4352	0.0991	0.164	335	260	280	215
	240	2.2	0.5	2.8	2.9	55	59	9933	4162	11059	5307	0.0754	0.125	390	300	335	260

(4+1) -Core PVC Insulated PVC Sheathed Power Cable

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Steel tape thickness mm	Nom. sheath thickness mm		Approx OD of cable mm		Apporx weight of cable kg/km				Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
														Direct in ground		Run in air	
				VV VLV	V V22 VLV22	VV VLV	V V22 VLV22	VV	VLV	V V22	VLV22	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	4×4+1×2.5	1.0 0.8	0.2	1.8	-	16	-	369	255		-	4.61 7.41	7.41 12.1	38	30	26	20
	4×6+1×4	1.0 1.0	0.2	1.8	-	18	-	483	310		-	3.08 4.61	4.61 7.41	47	39	32	26
	4×10+1×6	1.0 1.0	0.2	1.8	1.8	20	23	677	399	956	671	1.83 3.08	3.08 4.61	65	50	46	35
	4×16+1×10	1.0 1.0	0.2	1.8	1.8	23	26	968	523	1290	832	1.15 1.83	1.91 3.08	84	65	60	47
	4×25+1×16	1.2 1.0	0.2	1.8	1.8	27	29	1432	734	1742	1024	0.727 1.15	1.20 1.91	110	84	77	60
	4×35+1×16	1.2 1.0	0.2	1.8	2.0	28	32	1819	881	2552	1586	0.524 1.15	0.868 1.91	130	100	95	74
	4×50+1×25	1.4 1.2	0.5	1.9	2.0	29	34	2520	1167	3173	1780	0.387 0.727	0.641 1.20	155	120	115	90
	4×70+1×35	1.4 1.2	0.5	2.0	2.1	31	35	3388	1494	4118	2168	0.268 0.524	0.443 0.868	195	150	145	115
	4×95+1×50	1.6 1.4	0.5	2.1	2.2	37	40	4567	1982	5430	2768	0.193 0.387	0.320 0.641	230	185	185	140
	4×120+1×70	1.6 1.4	0.5	2.2	2.3	39	42	5694	2388	6590	3186	0.153 0.268	0.253 0.443	260	205	210	165
	4×150+1×70	1.8 1.4	0.5	2.4	2.4	42	46	6928	2900	8150	4003	0.124 0.268	0.206 0.443	300	230	245	190
	4×185+1×95	2.0 1.6	0.5	2.7	2.7	49	52	8673	3654	9940	4771	0.0981 0.193	0.164 0.320	335	260	280	215
	4×240+1×120	2.2 1.6	0.5	2.8	2.8	54	58	11060	4568	13022	6430	0.0754 0.153	0.125 0.253	390	300	335	260

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

(3+2) -Core PVC Insulated PVC Sheathed Power Cable

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Steel tape thickness mm	Nom. sheath thickness mm		Approx OD of cable mm		Apporx weight of cable kg/km				Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
														Direct in ground		Run in air	
				VV VLV	V V22 VLV22	VV VLV	V V22 VLV22	VV	VLV	V V22	VLV22	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	3×4+2×2.5	1.0 0.8	0.2	1.8	1.8	16	18	336	231	533	427	4.61 7.41	7.41 12.1	38	30	26	20
	3×6+2×4	1.0 1.0	0.2	1.8	1.8	17	20	444	284	671	510	3.08 4.61	4.61 7.41	47	39	32	26
	4×10+2×6	1.0 1.0	0.2	1.8	1.8	20	22	616	361	875	620	1.83 3.08	3.08 4.61	65	50	46	35
	3×16+2×10	1.0 1.0	0.2	1.8	1.8	23	25	883	474	1181	772	1.15 1.83	1.91 3.08	84	65	60	47
	3×25+2×16	1.2 1.0	0.2	1.8	1.8	26	29	1305	662	1670	1026	0.727 1.15	1.20 1.91	110	84	77	60
	3×35+2×16	1.2 1.0	0.2	1.8	1.9	28	32	1606	782	2286	1462	0.524 1.15	0.868 1.91	130	100	95	74
	3×50+2×25	1.4 1.2	0.5	1.9	2.0	33	36	2293	1090	3095	1892	0.387 0.727	0.641 1.20	155	120	115	90
	4×70+2×35	1.4 1.2	0.5	2.1	2.1	36	40	3051	1367	3903	2245	0.268 0.524	0.443 0.868	195	150	145	115
	3×95+2×50	1.6 1.4	0.5	2.2	2.3	42	46	4138	1824	5132	2847	0.193 0.387	0.320 0.641	230	185	185	140
	3×120+2×70	1.6 1.4	0.5	2.4	2.4	45	49	5244	2238	6362	3365	0.153 0.268	0.253 0.443	260	205	210	165
	3×150+2×70	1.8 1.4	0.5	2.5	2.6	50	54	6209	2662	7446	3907	0.124 0.268	0.206 0.443	300	230	245	190
	3×185+2×95	2.0 1.6	0.5	2.7	2.7	55	59	7783	3304	9156	4712	0.0991 0.093	0.164 0.320	335	260	280	215
	3×240+2×120	2.2 1.6	0.5	2.9	3.0	62	66	9943	4172	11518	5474	0.0754 0.153	0.125 0.253	390	300	335	260

Five-Core Same Cross-Section PVC Insulated PVC Sheathed Power Cable

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Steel tape thickness mm	Nom. sheath thickness mm		Approx OD of cable mm		Apporx weight of cable kg/km				Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
														Direct in ground		Run in air	
				VV VLV	V V22 VLV22	VV VLV	V V22 VLV22	VV	VLV	V V22	VLV22	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	5×4	1.0	0.2	1.8	1.8	17	19	465	265	620	457	4.61	7.41	38	30	26	20
	5×6	1.0	0.2	1.8	1.8	18	21	617	317	780	530	3.08	4.61	47	39	32	26
	5×10	1.0	0.2	1.8	1.8	21	23	815	446	1030	722	1.83	3.08	65	50	45	35
	5×16	1.0	0.2	1.8	1.8	24	36	1167	608	1475	906	1.15	1.91	84	65	60	47
	5×25	1.2	0.5	1.8	2.0	28	32	1753	696	2310	1601	0.727	1.20	110	84	77	60
	5×35	1.2	0.5	1.9	2.1	31	35	2277	1138	2996	1937	0.524	0.868	130	100	95	74
	5×50	1.4	0.5	2.1	2.2	36	40	2918	1423	3699	2312	0.387	0.641	155	120	115	90
	5×70	1.4	0.5	2.2	2.4	41	46	3982	1859	4970	2891	0.268	0.443	195	150	145	115
	5×95	1.6	0.5	2.4	2.6	47	52	5438	2503	6229	3715	0.193	0.320	230	185	185	140

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Single-Core PVC Insulated PVC Sheathed Power Cable With Steel Tape Armour (Or Thin Steel Wire Armour)

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Steel tape thickness mm	Dia. of steel wire mm	Nom. sheath thickness mm		Approx OD of cable mm		Apporx weight of cable kg/km				Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
															Direct in ground		Run in air	
					V V22 VLV22	V V32 VLV32	VV22 VLV22	V V32 VLV32	VV22	VLV22	VV32	VLV32	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	10	1.0	0.2	1.25	1.4	-	12	-	305	243	-	-	1.83	3.08	78	58	57	44
	16	1.0	0.2	1.6	1.4	-	14	-	338	249	-	-	1.15	1.91	100	76	76	59
	25	1.2	0.2	2.0	1.4	-	15	-	457	308	-	-	0.727	1.30	130	98	98	76
	35	1.2	0.2	2.5	1.5	-	16	-	620	410	-	-	0.524	0.868	155	11	11	96
	50	1.4	0.5	2.5	1.5	1.6	17	22	740	443	932	635	0.387	0.641	185	14	14	11
	70	1.4	0.5	3.15	1.6	1.6	20	25	1160	727	1484	1055	0.268	0.443	225	17	18	14
	95	1.6	0.5	3.15	1.6	1.7	22	28	1238	740	1848	1254	0.193	0.320	270	20	22	17
	120	1.6	0.5	3.15	1.7	1.8	24	30	1532	821	2154	1402	0.153	0.253	310	23	26	20
	150	1.8	0.5	3.15	1.8	1.9	26	32	1865	976	2569	1600	0.124	0.206	350	26	30	23
	185	2.0	0.5	3.15	1.8	1.9	28	34	2275	1130	2996	1837	0.099	0.164	395	30	34	27
	240	2.2	0.5	3.15	1.9	2.1	31	39	2820	1399	3963	2441	0.075	0.125	455	35	41	32
	300	2.4	0.5	3.15	2.0	22	35	42	3792	2019	4730	2822	0.060	0.100	515	39	47	37

Two-Core PVC Insulated PVC Sheathed Power Cable With Thin Steel Wire Armour

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Dia. of steel wire mm	Nom. sheath thickness mm	Approx OD of cable mm	Apporx weight of cable kg/km		Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
										Direct in ground		Run in air	
						VV32	VLV32	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	2.5	0.8	-	-	-	-	-	-	-	-	-	-	-
	4	1.0	-	-	-	-	-	-	-	-	-	-	-
	6	1.0	-	-	-	-	-	-	-	-	-	-	-
	10	1.0	-	-	-	-	-	-	-	-	-	-	-
	16	1.0	-	-	-	-	-	-	-	-	-	-	-
	25	1.2	1.6	1.8	26	1345	1035	0.727	1.20	125	100	90	70
	35	1.2	1.6	1.8	28	1607	1174	0.524	0.868	155	120	110	86
	50	1.4	1.6	1.9	32	2234	1615	0.387	0.641	185	145	135	105
	70	1.4	2.0	1.9	35	2773	1905	0.268	0.443	230	175	165	130
	95	1.6	2.0	2.1	39	3465	2288	0.193	0.320	275	210	210	165
	120	1.6	2.0	2.2	42	4094	2607	0.153	0.253	310	245	245	190
	150	1.8	2.5	2.3	47	5329	3471	0.124	0.206	350	275	280	215
	185	2.0	2.5	2.4	55	6426	4134	0.0991	0.164	395	310	320	250

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

Three-Core PVC Insulated PVC Sheathed Power Cable With Thin Steel Wire Armour

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Dia. of steel wire mm	Nom. sheath thickness mm	Approx OD of cable mm	Apporx weight of cable kg/km		Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
										Direct in ground		Run in air	
						VV32	VLV32	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	4	1.0	0.8	1.8	19	554	480	4.61	7.41	38	30	26	20
	6	1.0	0.8	1.8	21	654	543	3.08	4.61	47	39	32	26
	10	1.0	0.8	1.8	24	880	691	1.83	3.08	65	50	45	35
	16	1.0	1.6	1.8	28	1472	1173	1.15	1.91	84	65	60	47
	25	1.2	1.6	1.8	32	1958	1485	0.727	1.20	110	84	77	60
	35	1.2	1.6	1.9	35	2363	1707	0.524	0.868	130	100	95	74
	50	1.4	1.6	2.0	36	2873	2044	0.387	0.641	155	120	115	90
	70	1.4	2.0	2.1	39	3703	2402	0.268	0.443	195	150	145	115
	95	1.6	2.5	2.3	44	4702	2936	0.193	0.320	230	185	185	140
	120	1.6	2.5	2.4	49	6013	3783	0.153	0.253	260	205	210	165
	150	1.8	2.5	2.6	54	7299	4512	0.124	0.206	300	230	245	190
	185	2.0	2.5	2.7	60	8690	5253	0.0991	0.164	335	260	280	215
	240	2.2	2.5	2.9	68	10927	6467	0.0754	0.125	390	300	33	260

Four-Core Same Cross-Section PVC Insulated PVC Sheathed Power Cable With Thin Steel Wire Armour

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Dia. of steel wire mm	Nom. sheath thickness mm	Approx OD of cable mm	Apporx weight of cable kg/km		Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
										Direct in ground		Run in air	
						VV32	VLV32	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	25	1.2	1.6	1.9	35	2320	1689	0.727	1.20	110	84	77	60
	35	1.2	1.6	2.0	38	2854	1979	0.524	0.868	130	100	95	74
	50	1.4	2.0	2.1	39	3600	2361	0.387	0.641	155	120	115	90
	70	1.4	2.0	2.2	42	4568	2833	0.268	0.443	195	150	145	115
	95	1.6	2.0	2.4	49	6288	3934	0.193	0.320	230	185	185	140
	120	1.6	2.5	2.5	54	7478	4505	0.153	0.253	260	205	210	165
	150	1.8	2.5	2.7	59	9056	4310	0.124	0.206	300	230	245	190
	185	2.0	2.5	2.9	64	10797	6213	0.0991	0.164	335	260	280	215

Rating Factors Of Current Rating For Ambient Temperature

Operation temperatue (℃)	Air temperatue (℃)										Soil temperatue (℃)				
	10	15	20	25	30	35	40	45	50	10	15	20	25	30	35
70	1.41	1.35	1.29	1.22	1.15	1.08	1.00	0.91	0.81	1.15	1.11	1.05	1.00	0.94	0.88

Rating Factors Of Current Rating For Different Soil Thermal Resistivity

Rated Voltage	Scope of cross-sections	Soil thermal resistivity Pw(℃m/W)				
0.6/1kV	mm²	0.8	1.0	1.2	1.5	2.0
	≤35	1.06	1.00	0.95	0.88	0.80
	50-150	1.08	1.00	0.94	0.87	0.77
	≥185	1.09	1.00	0.93	0.85	0.76

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XLPE Insulated Power Cable

Extruded XLPE insulation with rated voltage from 0.6/1KV to 8.7/15KV

Standard:IEC60502

Operating features

Operating temperature

Max. Permissible continuous operating temperature of Conductors shall not exceed 90˚C

Conductor Short circuit temperature

Not exceeding 250˚C . (Max. Duration 5 seconds)

Bending radius:

Bending radius of single core cable:20D

Bending radius of multi-core cable: 15D

D=Actual overall diameter of cable (mm)

Installation temperature:

The lowest temperature of installation is 0˚C .

Laying conditions and basic parameters for calculating current ratings:

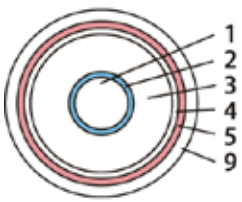
Method of laying	Ambient temperature
In air	40˚C
Direct burial	25˚C

Soil thermal resistivity 1.0˚C · m/W

Layout of single core cables: In parallel

(Spacing side by side: 1D D=overall diameter)

Sketches Of Product Construction

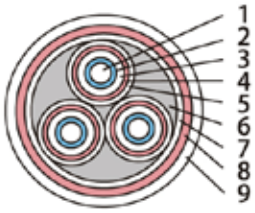


Single-core non-armoured cable

1.Conductor

2.Conductor Screen

3.XLPE Insulation

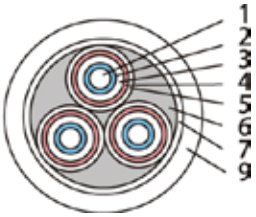


Three-core steel tape armoured cable

4.Insulation screen

5.Metallic Screen

6.Filler



Three-core non-armoured cable

7.Separator(Inner Cover)

8.Armour

9.Outer Sheath

Scope Of Cables

Table

Type	No . of cores	Rated voltage(kv)				
		0.6/1	1.8/3	3.6/6	6/6 6/10	8.7/10 8.7/15
		Nominal area of conductor (mm^2)				
YJV YJLV YJV22 YJLV22 YJV32 YJLV32	1 2 3 3+1 3+2 4+1 5	1.5-630	10-400	25-400	25-400	25-400

Note: No conductor screen and insulation screen is applied for cables with rated voltage 3.6/6KV and below.

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

XLPE Insulated Power Cable

Type, Description And Main Applications

Table 2

Type	Description	Main application
YJV YJLV	Cu or AL conductor XLPE insulated PVC Sheath Power cable	For laying indoor and outdoor, unable to bear certain extermal mechanical force but the tractive force during laying. Laying Single core cable in magnetic duct is not permissble
YJV22 YJLV22	Cu or AL conductor XLPE insulated steel tape armored PVC sheathed power cable	For laying underground, bear external mechanical force, but unable to bear large pulling force
YJV32 YJLV32	Cu or AL conductor XLPE insulated thin steel wire armoured PVC sheathed power cable	For laying under ground, vertical well, or underwater, able to bear certain pulling force.

Single-Core XLPE Insulated PVC Sheathed Power Cable

AC Rated Voltage	Nom. Cross-section mm^2	Nom. insulation thickness mm	Nom. sheath thickness mm	Approx OD of cable mm	Apporx weight of cable kg/km		Max.DC Resistance of Conductor at 20 ℃ Ω/km		Current Rating (A)			
									Direct in ground		Run in air	
					VV	VLV	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	1.5	0.7	1.4	6	46	37	12.1	-	45	-	32	-
	2.5	0.7	1.4	7	58	43	7.41	12.1	59	46	42	33
	4	0.7	1.4	7	75	50	4.61	7.41	77	61	56	44
	6	0.7	1.4	8	97	60	3.08	4.61	97	79	70	57
	10	0.7	1.4	9	144	82	1.83	3.08	130	100	97	75
	16	0.7	1.4	10	205	106	1.15	1.91	170	135	125	99
	25	0.9	1.4	12	303	148	0.727	1.20	220	170	165	125
	35	0.9	1.4	13	402	185	0.524	0.868	265	205	200	155
	50	1.0	1.4	14	553	243	0.387	0.641	320	245	245	190
	70	1.1	1.4	16	750	316	0.268	0.443	395	305	305	240
	95	1.1	1.5	18	997	409	0.193	0.320	475	370	375	290
	120	1.2	1.5	20	1242	499	0.153	0.253	545	420	435	340
	150	1.4	1.6	22	1548	620	0.124	0.206	610	475	500	390
	185	1.6	1.7	24	1894	750	0.0991	0.164	695	540	580	450
	240	1.7	1.8	27	2432	948	0.0754	0.125	810	630	685	535
	300	1.8	1.8	30	3019	1162	0.0601	0.100	910	710	795	615
	400	2.0	2.0	33	3937	1523	0.0470	0.0778	1050	820	930	730
1.8/3kv	10	2.0	1.4	16	296	234	1.83	3.08	130	100	97	75
	16	2.0	1.4	17	370	271	1.15	1.91	170	135	125	99
	25	2.0	1.5	18	485	330	0.727	1.20	220	170	165	125
	35	2.0	1.5	19	600	382	0.524	0.868	265	205	200	155
	50	2.0	1.6	21	753	454	0.387	0.641	320	245	245	190
	70	2.0	1.6	23	972	548	0.268	0.443	395	305	305	240
	95	2.0	1.7	24	1237	668	0.193	0.320	475	370	375	290
	120	2.0	1.7	26	1507	768	0.153	0.253	545	420	435	340
	150	2.0	1.8	27	1806	890	0.124	0.206	610	475	500	390
	185	2.0	1.8	29	2169	1030	0.0991	0.164	695	540	580	450
	240	2.0	1.9	32	2735	1249	0.0754	0.125	810	630	685	535
	300	2.0	2.0	34	3337	1480	0.0601	0.100	910	710	795	615
	400	2.0	2.1	37	4228	1814	0.047	0.0778	1050	820	930	730

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Single-Core XLPE Insulated PVC Sheathed Power Cable

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Nom. sheath thickness mm	Approx OD of cable mm	Apporx weight of cable kg/km		Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
									Direct in ground		Run in air	
					YJV	YJLV	Cu	Al	Cu	Al	Cu	Al
3.6/6kv	25	2.5	1.5	20	515	360	0.727	1.20	160	120	165	130
	35	2.5	1.5	21	629	412	0.524	0.868	190	145	205	155
	50	2.5	1.6	22	802	492	0.387	0.641	225	175	245	190
	70	2.5	1.7	24	1020	587	0.268	0.443	275	215	305	235
	95	2.5	1.7	26	1293	705	0.193	0.320	330	255	370	290
	120	2.5	1.8	27	1551	808	0.153	0.253	375	290	430	335
	150	2.5	1.8	29	1866	937	0.124	0.206	425	330	490	380
	185	2.5	1.8	31	2219	1074	0.0991	0.164	480	370	560	435
	240	2.6	1.9	33	2789	1303	0.0754	0.125	555	435	665	515
	300	2.8	2.0	36	3421	1564	0.0601	0.100	630	490	765	595
6/6kv 6/10kv	400	3.0	2.1	40	4580	2165	0.047	0.0778	725	565	890	695
	25	3.4	1.6	22	578	423	0.727	1.200	160	120	165	130
	35	3.4	1.6	23	702	485	0.524	0.868	190	145	205	155
	50	3.4	1.7	24	871	561	0.387	0.641	225	175	245	190
	70	3.4	1.7	26	1105	672	0.268	0.443	275	215	305	235
	95	3.4	1.8	28	1372	784	0.193	0.320	330	255	370	290
	120	3.4	1.8	29	1645	902	0.153	0.253	375	290	430	335
	150	3.4	1.8	31	1955	1026	0.124	0.206	425	330	490	380
	185	3.4	1.9	33	2325	1180	0.0991	0.164	480	370	560	435
	240	3.4	2.0	35	2900	1414	0.0754	0.125	555	435	665	515
8.7/10kv 8.7/15kv	300	3.4	2.0	37	3493	1636	0.0601	0.100	630	490	765	595
	25	4.5	1.6	24	671	516	0.727	1.200	160	120	165	130
	35	4.5	1.7	25	801	584	0.524	0.868	190	145	205	155
	50	4.5	1.7	26	975	666	0.387	0.641	225	175	245	190
	70	4.5	1.8	28	1204	771	0.268	0.443	275	215	305	235
	95	4.5	1.8	30	1489	901	0.193	0.32	330	255	370	290
	120	4.5	1.9	32	1769	1026	0.153	0.253	375	290	430	335
	150	4.5	1.9	33	2085	1157	0.124	0.206	425	330	490	380
	185	4.5	2.0	35	2461	1316	0.0991	0.164	480	30	560	435
	240	4.5	2.0	37	3022	1536	0.0754	0.125	555	435	665	515
	300	4.5	2.1	40	3649	1792	0.0601	0.100	630	490	765	595
	400	4.5	2.2	43	4632	2218	0.0470	0.0778	725	565	890	695

Two-Core XLPE Insulated PVC Sheathed Power Cable

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Steel tape thickness mm	Nom. sheath thickness mm		Approx OD of cable mm		Apporx weight of cable kg/km				Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
														Direct in ground		Run in air	
				YJV YJLV	YJV22 YJLV22	YJV YJLV	YJV22 YJLV22	YJL	YJLV	YJV22	YJLV22	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	1.5	0.7	-	1.8	-	11	-	133	104	-	-	12.1	20.16	30	-	25	-
	2.5	0.7	-	1.8	-	13	-	142	122	-	-	7.41	12.1	40	32	30	25
	4	0.7	0.2	1.8	1.8	14	17	183	133	342	292	4.61	7.41	55	45	42	32
	6	0.7	0.2	1.8	1.8	15	18	233	160	406	333	3.08	4.61	65	50	53	42
	10	0.7	0.2	1.8	1.8	17	20	339	214	538	414	1.83	3.08	90	70	70	55
	16	0.7	0.2	1.8	1.8	19	22	477	279	702	504	1.15	1.91	110	90	92	75
	25	0.9	0.2	1.8	1.8	23	26	702	392	969	659	0.727	1.20	140	120	128	100
	35	0.9	0.2	1.8	1.8	25	28	919	485	1412	778	0.524	0.868	180	140	160	130
	50	1.0	0.2	1.8	1.8	28	31	1255	635	1586	965	0.387	0.641	210	160	190	150
	70	1.1	0.5	1.8	2.0	32	36	1700	832	2452	1584	0.268	0.443	250	200	250	190
	95	1.1	0.5	2.0	2.1	35	40	2254	1076	3074	1896	0.193	0.320	285	230	300	240
	120	1.2	0.5	2.1	2.2	39	44	2810	1322	3710	2221	0.153	0.253	330	260	350	20
	150	1.4	0.5	2.2	2.4	43	48	3507	1646	4562	2701	0.124	0.206	375	300	400	330
	185	1.6	0.5	2.3	2.6	48	53	4302	2007	5488	3193	0.0991	0.164	420	340	460	370
	240	1.7	0.5	2.5	2.7	54	59	5512	2535	7055	3877	0.0754	0.125	500	400	550	440
	300	1.8	0.5	2.7	2.8	59	64	6842	3121	8298	4576	0.0601	0.100	580	510	600	560

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Three-Core XLPE Insulated PVC Sheathed Power Cable

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Steel tape thickness mm	Nom. sheath thickness mm		Approx OD of cable mm		Apporx weight of cable kg/km				Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
														Direct in ground		Run in air	
				YJV YJLV	YJV22 YJLV22	YJV YJLV	YJV22 YJLV22	YJL	YJLV	YJV22	YJLV22	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	1.5	0.7	-	1.8	-	11	-	150	112	-	-	12.1	20.16	27	-	20	-
	2.5	0.7	-	1.8	-	14	-	173	127	-	-	7.41	12.1	35	27	26	20
	4	0.7	0.2	1.8	1.8	14	18	227	152	394	319	4.61	7.41	45	36	34	27
	6	0.7	0.2	1.8	1.8	15	19	296	186	477	367	3.08	4.61	57	46	43	35
	10	0.7	0.2	1.8	1.8	18	21	440	254	649	464	1.83	3.08	77	59	60	47
	16	0.7	0.2	1.8	1.8	20	23	633	336	870	573	1.15	1.91	105	80	83	64
	25	0.9	0.2	1.8	1.8	24	27	944	479	1226	762	0.727	1.20	125	100	105	82
	35	0.9	0.2	1.8	1.8	26	29	1254	602	1559	907	0.524	0.868	155	120	125	100
	50	1.0	0.2	1.8	1.9	29	33	1649	718	2091	1160	0.387	0.641	185	145	160	125
	70	1.1	0.5	1.9	2.1	34	38	2370	1067	3171	1867	0.268	0.443	225	175	200	155
	95	1.1	0.5	2.0	2.2	38	42	3135	1366	4026	2257	0.193	0.320	270	210	245	200
	120	1.2	0.5	2.1	2.3	41	46	3927	1692	4928	2693	0.153	0.253	310	240	285	220
	150	1.4	0.5	2.3	2.4	46	51	4710	1917	6017	3224	0.124	0.206	345	270	325	250
	185	1.6	0.5	2.4	2.7	51	56	6065	2612	7351	3906	0.0991	0.164	390	305	375	295
	240	1.7	0.5	2.6	2.8	57	63	7744	3275	9178	4709	0.0754	0.125	450	355	440	345
	300	1.8	0.5	2.8	3.0	63	68	9602	4016	11209	5623	0.0601	0.100	515	400	505	395
1.8/3kv	10	2.0	0.5	1.8	2.0	26	29	650	444	1300	1093	1.83	3.08	77	59	60	47
	16	2.0	0.5	1.9	2.1	28	31	1100	802	1607	1308	1.15	1.91	105	80	83	64
	25	2.0	0.5	2.0	2.1	31	34	1446	980	1990	1525	0.727	1.20	125	100	105	82
	35	2.0	0.5	2.1	2.2	33	36	1849	1198	2440	1789	0.524	0.868	155	120	125	100
	50	2.0	0.5	2.2	2.3	37	39	2367	1469	3013	2115	0.387	0.641	185	45	160	125
	70	2.0	0.5	2.3	2.4	41	43	3107	1832	3827	2551	0.268	0.443	225	175	200	155
	95	2.0	0.5	2.4	2.6	45	47	3991	2227	4807	3043	0.193	0.320	270	210	245	200
	120	2.0	0.5	2.5	2.7	48	51	4867	2642	5747	3522	0.153	0.253	310	240	285	220
	150	2.0	0.5	2.6	2.8	52	55	5794	3038	6745	3989	0.124	0.206	345	270	325	250
	185	2.0	0.5	2.7	2.9	57	59	7000	3591	8035	4626	0.0991	0.164	390	305	375	295
	240	2.0	0.5	2.9	3.1	62	65	8792	4324	9932	5463	0.0754	0.125	450	355	440	345
	300	2.0	0.5	3.0	3.2	67	70	10842	5256	12082	6496	0.0601	0.100	515	400	505	395
3.6/6kv	25	2.5	0.5	2.1	2.2	38	42	1786	4386	2745	2380	0.727	1.20	125	100	120	90
	35	2.5	0.5	2.1	2.3	40	45	2041	1389	3023	2371	0.524	0.868	155	120	140	110
	50	2.5	0.5	2.2	2.4	43	48	2554	1623	3608	2677	0.387	0.641	180	140	165	130
	70	2.5	0.5	2.3	2.5	47	52	3282	1978	4452	3148	0.268	0.443	220	170	210	165
	95	2.5	0.5	2.5	2.6	51	56	4180	2411	5421	3652	0.193	0.320	265	210	255	200
	120	2.5	0.5	2.6	2.8	54	59	5041	2806	6410	4176	0.153	0.253	300	235	290	225
	150	2.5	0.5	2.7	2.9	58	63	6035	3242	7523	4730	0.124	0.206	340	260	330	255
	185	2.5	0.5	2.8	3.0	62	67	7149	3704	8758	5313	0.0991	0.164	380	300	375	295
	240	2.5	0.5	3.0	3.2	68	74	8993	4542	10749	6280	0.0754	0.125	435	345	435	345
	300	2.5	0.5	3.1	3.3	74	80	11055	5469	13009	7423	0.0601	0.100	485	395	495	390
6/6kv 6/10kv	25	3.4	0.5	2.2	2.4	42	48	1886	1421	2900	2444	0.727	1.20	125	100	120	90
	35	3.4	0.5	2.3	2.4	44	49	2307	1652	3377	2726	0.524	0.868	155	120	140	110
	50	3.4	0.5	2.4	2.5	47	52	2889	1958	4059	3127	0.387	0.641	180	140	165	130
	70	3.4	0.5	2.5	2.7	51	57	3647	2344	4959	3654	0.268	0.443	220	170	210	165
	95	3.4	0.5	2.6	2.8	55	61	5119	3351	6522	4753	0.193	0.320	265	210	255	200
	120	3.4	0.5	2.7	2.9	58	64	5412	3178	6923	4689	0.153	0.253	300	235	290	225
	150	3.4	0.5	2.8	3.0	62	68	6402	3609	7106	4313	0.124	0.206	340	260	330	255
	185	3.4	0.5	2.9	3.1	66	72	7563	4118	9321	5876	0.0991	0.164	380	300	375	295
	240	3.4	0.5	3.1	3.3	72	78	9348	4879	12444	6776	0.0754	0.125	435	345	435	345
	300	3.4	0.5	3.3	3.0	77	83	11426	5840	13504	7917	0.0601	0.100	485	390	495	390
8.7/10kv 8.7/15kv	25	4.5	0.5	2.5	2.6	47	52	2537	2072	3400	2965	0.727	1.20	125	100	120	90
	35	4.5	0.5	2.5	2.6	50	55	2652	2001	3871	3219	0.524	0.868	155	120	140	110
	50	4.5	0.5	2.6	2.7	53	58	3263	2332	4580	3649	0.387	0.641	180	140	165	130
	70	4.5	0.5	2.7	2.8	57	62	4024	2721	5466	4163	0.268	0.443	220	170	210	165
	95	4.5	0.5	2.8	3.0	60	66	4950	3181	6535	4766	0.193	0.320	265	210	255	200
	120	4.5	0.5	2.9	3.1	64	69	5867	3632	7565	5331	0.153	0.253	300	235	290	225
	150	4.5	0.5	3.0	3.2	67	73	6970	4178	8379	5946	0.124	0.206	340	260	330	255
	185	4.5	0.5	3.1	3.3	71	78	8131	4686	10027	6582	0.0991	0.164	380	300	375	295
	240	4.5	0.5	3.3	3.5	77	83	9993	5524	12061	7592	0.0754	0.125	435	345	435	345
	300	4.5	0.8	3.4	3.7	82	90	11980	6394	15180	9594	0.0601	0.100	485	390	495	390

GHCABLE

Four-Core Same Cross-Section XLPE Insulated PVC Sheathed Power Cable

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Steel tape thickness mm	Nom. sheath thickness mm		Approx OD of cable mm		Apporx weight of cable kg/km				Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
														Direct in ground		Run in air	
				YJV YJLV	YJV22 YJLV22	YJV YJLV	YJV22 YJLV22	YJV	YJLV	YJV22	YJLV22	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	1.5	0.7	-	1.8	-	13	-	177	140	-	-	12.1	20.16	27	-	20	-
	2.5	0.7	-	1.8	-	14	-	209	147	-	-	7.41	12.1	35	27	26	20
	4	0.7	0.2	1.8	1.8	15	19	279	179	459	359	4.61	7.41	45	36	34	27
	6	0.7	0.2	1.8	1.8	17	20	369	222	564	417	3.08	4.61	57	46	43	35
	10	0.7	0.2	1.8	1.8	20	23	556	308	783	535	1.83	3.08	77	59	60	47
	16	0.7	0.2	1.8	1.8	22	25	808	400	1066	669	1.15	1.91	105	80	83	64
	25	0.9	0.2	1.8	1.8	26	29	1214	539	1523	902	0.727	1.20	125	100	105	82
	35	0.9	0.2	1.8	1.9	29	32	1619	750	1972	1103	0.524	0.868	155	120	125	100
	50	1.0	0.5	1.9	2.0	32	37	2256	1014	3005	1764	0.387	0.641	185	145	160	125
	70	1.1	0.5	2.0	2.1	37	42	2945	1210	3963	2225	0.268	0.443	225	175	200	155
	95	1.1	0.5	2.1	2.3	42	47	3915	1560	5110	2751	0.193	0.320	270	210	245	200
	120	1.2	0.5	2.3	2.4	46	51	4953	1961	6261	3282	0.153	0.253	310	240	285	220
	150	1.4	0.5	2.4	2.6	51	56	6142	2425	7702	3978	0.124	0.206	345	270	325	250
	185	1.6	0.5	2.6	2.8	57	63	7572	2987	9359	4765	0.0991	0.164	390	305	375	295
	240	1.7	0.5	2.8	3.0	64	69	9717	3769	11800	5801	0.0754	0.125	450	355	440	345
	300	1.8	0.5	3.0	3.2	70	76	11643	5147	14472	7023	0.0601	0.100	515	400	505	395

(3+1)-Core XLPE Insulated PVC Sheathed Power Cable

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Steel tape thickness mm	Nom. sheath thickness mm		Approx OD of cable mm		Apporx weight of cable kg/km				Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
														Direct in ground		Run in air	
				YJV YJLV	YJV22 YJLV22	YJV YJLV	YJV22 YJLV22	YJV	YJLV	YJV22	YJLV22	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	3×2.5+1×1.5	0.7 0.7	-	1.8	-	13	-	197	162	-	-	7.41 12.1	12.1 20.16	35	27	26	20
	3×4+1×2.5	0.7 0.7	-	1.8	1.8	15	18	262	172	438	348	4.61 7.41	7.41 12.1	45	36	34	27
	3×6+1×4	0.7 0.7	0.2	1.8	1.8	16	20	347	212	539	404	3.08 4.61	4.61 7.41	57	46	43	35
	3×10+1×6	0.7 0.7	0.2	1.8	1.8	19	22	508	286	728	506	1.83 3.08	3.08 4.61	77	59	60	47
	3×16+1×10	0.7 0.7	0.2	1.8	1.8	21	25	744	473	819	548	1.15 1.83	1.91 3.08	105	80	83	64
	3×25+1×16	0.9 0.7	0.2	1.8	1.8	25	28	1111	547	1408	844	0.727 1.15	1.20 1.91	125	100	105	82
	3×35+1×16	0.9 0.7	0.2	1.8	1.8	27	30	1260	639	1862	1241	0.524 1.15	0.868 1.91	155	120	125	100
	3×50+1×25	1.0 0.9	0.5	1.8	2.0	31	36	1982	898	2710	1626	0.387 0.727	0.641 1.20	185	145	160	125
	3×70+1×35	1.1 0.9	0.5	1.9	2.1	35	40	2712	1194	3543	2025	0.268 0.524	0.443 0.868	225	175	200	155
	3×95+1×50	1.1 1.0	0.5	2.1	2.2	40	44	3642	1567	4554	2479	0.193 0.387	0.320 0.641	270	210	245	200
	3×120+1×70	1.2 1.1	0.5	2.2	2.4	44	49	4635	1970	5706	3041	0.153 0.268	0.253 0.443	310	240	285	220
	3×150+1×70	1.4 1.1	0.5	2.4	2.5	48	53	5588	2366	6780	3180	0.124 0.268	0.206 0.443	345	270	325	250
	3×185+1×95	1.6 1.1	0.5	2.5	2.7	54	59	6691	2664	8035	4008	0.0991 0.193	0.164 0.320	390	305	375	295
	3×240+1×120	1.7 1.2	0.5	2.7	2.9	60	65	8907	3702	10425	5220	0.0754 0.153	0.125 0.253	450	355	440	345
	3×300+1×150	1.8 1.4	0.5	2.9	3.0	66	72	11080	4572	12772	6266	0.0601 0.124	0.100 0.205	515	400	505	395

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4+1 -Core XLPE Insulated PVC Sheathed Power Cable

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Steel tape thickness mm	Nom. sheath thickness mm		Approx OD of cable mm		Apporx weight of cable kg/km				Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
														Direct in ground		Run in air	
				YJV YJLV	YJV22 YJLV22	YJV YJLV	YJV22 YJLV22	YJV	YJLV	YJV22	YJLV22	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	4×4+1×2.5	0.7 0.7	-	1.8	1.8	16	19	361	235	539	424	4.61 7.41	7.41 12.1	45	36	36	27
	4×6+1×4	0.7 0.7	0.2	1.8	1.8	17	21	465	293	671	499	3.08 4.61	4.61 7.41	57	46	43	35
	4×10+1×6	0.7 0.7	0.2	1.8	1.8	21	24	706	421	951	666	1.83 3.08	3.08 4.61	77	59	60	47
	4×16+1×10	0.7 0.7	0.2	1.8	1.8	23	26	1038	578	1320	860	1.15 1.83	1.91 3.08	105	80	83	64
	4×25+1×16	0.9 0.7	0.2	1.8	1.8	27	31	1554	834	1888	1167	0.727 1.15	1.20 1.91	125	100	105	82
	4×35+1×16	0.9 0.7	0.2	1.8	1.9	30	33	1999	1030	2378	1409	0.524 1.15	0.868 1.91	155	120	125	100
	4×50+1×25	1.0 0.9	0.5	1.9	2.1	34	39	2735	1381	3558	2204	0.387 0.727	0.641 1.20	185	145	160	125
	4×70+1×35	1.1 0.9	0.5	2.1	2.2	39	44	3805	1886	4737	2818	0.268 0.524	0.443 0.868	225	175	200	155
	4×95+1×50	1.1 1.0	0.5	2.2	2.4	44	49	5114	2461	6219	3566	0.193 0.387	0.320 0.641	270	210	245	200
	4×120+1×70	1.2 1.1	0.5	2.4	2.5	49	54	6481	3088	7709	4315	0.153 0.268	0.253 0.443	310	240	285	220
	4×150+1×70	1.4 1.1	0.5	2.5	2.7	54	59	7794	3693	9184	5082	0.124 0.264	0.206 0.443	345	270	325	250
	4×185+1×90	1.6 1.1	0.5	2.7	2.9	60	66	9773	4614	11350	6191	0.0991 0.193	0.164 0.320	390	305	375	295
	4×240+1×120	1.7 1.2	0.5	2.9	3.1	67	73	12552	5201	13649	6990	0.0754 0.153	0.125 0.253	450	355	440	345
	4×300+1×150	1.8 1.4	0.5	3.1	3.3	74	80	15537	7166	17540	9170	0.0601 0.124	0.100 0.206	515	400	505	395

3+2 -Core XLPE Insulated PVC Sheathed Power Cable

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Steel tape thickness mm	Nom. sheath thickness mm		Approx OD of cable mm		Apporx weight of cable kg/km				Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
														Direct in ground		Run in air	
				YJV YJLV	YJV22 YJLV22	YJV YJLV	YJV22 YJLV22	YJV	YJLV	YJV22	YJLV22	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	3×4+2×2.5	0.7 0.7	0.2	1.8	1.8	16	19	331	225	516	410	4.61 7.41	7.41 12.1	45	36	36	27
	3×6+2×4	0.7 0.7	0.2	1.8	1.8	17	21	442	281	644	484	3.08 4.61	4.61 7.41	57	46	43	35
	4×10+2×6	0.7 0.7	0.2	1.8	1.8	20	23	654	394	591	631	1.83 3.08	3.08 4.61	77	59	60	47
	3×16+2×10	0.7 0.7	0.2	1.8	1.8	23	26	969	546	1244	821	1.15 1.83	1.91 3.08	105	80	83	64
	3×25+2×16	0.9 0.7	0.2	1.8	1.8	27	30	1450	785	1744	1109	0.727 1.15	1.20 1.91	125	100	105	82
	3×35+2×16	0.9 0.7	0.2	1.8	1.9	29	32	1781	930	2143	1292	0.524 1.15	0.868 1.91	155	120	125	100
	3×50+2×25	1.0 0.9	0.5	1.9	2.1	33	38	2481	1272	3274	2064	0.387 0.727	0.641 1.20	185	145	160	125
	4×70+2×35	1.1 0.9	0.5	2.1	2.2	38	42	3428	1552	4219	1444	0.268 0.524	0.443 0.868	225	175	200	155
	3×95+2×50	1.1 1.0	0.5	2.2	2.4	43	48	4407	2042	5468	3103	0.193 0.387	0.320 0.641	270	210	245	200
	3×120+2×70	1.2 1.1	0.5	2.4	2.5	48	53	5934	2862	7120	4048	0.153 0.268	0.253 0.443	310	240	285	220
	3×150+2×70	1.4 1.1	0.5	2.5	2.7	52	57	6951	3343	8279	4672	0.124 0.268	0.206 0.443	345	270	325	250
	3×185+2×95	1.6 1.1	0.5	2.7	2.9	58	63	8800	4195	10306	5702	0.0991 0.193	0.164 0.320	390	305	375	295
	3×240+2×120	1.7 1.2	0.5	2.9	3.1	64	70	11228	5272	12930	6974	0.0754 0.153	0.125 0.253	450	355	440	345
	3×300+2×150	1.8 1.4	0.5	3.1	3.3	70	76	13930	6499	15840	8412	0.0601 0.124	0.100 0.206	515	400	505	395

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Five-Core Same Cross-Section XLPE Insulated PVC Sheathed Power Cable

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Steel tape thickness mm	Nom. sheath thickness mm		Approx OD of cable mm		Apporx weight of cable kg/km				Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
														Direct in ground		Run in air	
				YJV YJLV	YJV22 YJLV22	YJV YJLV	YJV22 YJLV22	YJV	YJLV	YJV22	YJLV22	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	1.5	0.7	0.2	1.8	-	13	-	177	140	-	-	12.1	20.16	27	-	20	-
	2.5	0.7	0.2	1.8	-	14	-	209	147	-	-	7.41	12.1	35	27	26	20
	4	0.7	0.2	1.8	1.8	15	19	279	179	459	359	4.61	7.41	45	36	34	27
	6	0.7	0.2	1.8	1.8	17	20	369	222	564	417	3.08	4.61	57	46	43	35
	10	0.7	0.2	1.8	1.8	20	23	556	308	783	535	1.83	3.08	77	59	60	47
	16	0.7	0.2	1.8	1.8	22	25	808	411	1066	669	1.15	1.91	105	80	83	64
	25	0.9	0.2	1.8	1.8	26	29	1214	539	1523	902	0.727	1.20	125	100	105	82
	35	0.9	0.5	1.8	1.9	29	32	1619	750	1972	1103	0.524	0.868	155	120	125	100
	50	1.0	0.5	1.9	2.0	32	37	2256	1014	3005	1764	0.387	0.641	185	145	160	125
	70	1.1	0.5	2.0	2.1	37	42	2945	1210	3963	2225	0.268	0.443	225	175	200	155
	95	1.1	0.5	2.1	2.3	42	47	3915	1560	5110	2751	0.193	0.320	270	210	245	200
	120	1.2	0.5	2.3	2.4	46	51	4953	1961	6261	3282	0.153	0.253	310	240	285	220
	150	1.4	0.5	2.4	2.6	51	56	6142	2425	7702	3978	0.124	0.206	345	270	325	250
	185	1.6	0.5	2.6	2.8	57	63	7572	2987	9359	4765	0.0991	0.164	390	305	375	295
	240	1.7	0.5	2.8	3.0	64	69	9717	3769	11800	5801	0.0754	0.125	450	355	440	345
	300	1.8	0.5	3.0	3.2	70	76	11643	5147	14472	7023	0.0601	0.100	515	400	505	395

Two-Core XLPE Insulated PVC Sheathed Power Cable With Thin Steel Wire Armor

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Dia. of steel wire mm	Nom. sheath thickness mm	Approx OD of cable mm	Apporx weight of cable kg/km		Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
										Direct in ground		Run in air	
						YJV32	YJLV32	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	2.5	0.7	0.8	1.8	15	381	350	7.41	12.1	40	32	30	25
	4	0.7	0.8	1.8	16	442	392	4.61	7.41	55	45	42	32
	6	0.7	0.8	1.8	17	514	441	3.08	4.61	65	50	53	42
	10	0.7	0.8	1.8	20	649	525	1.83	3.08	90	70	70	55
	16	0.7	0.8	1.8	22	841	643	1.15	1.91	110	90	92	75
	25	0.9	1.6	1.8	26	1483	1173	0.727	1.20	140	120	128	100
	35	0.9	1.6	1.8	28	1760	1326	0.524	0.868	180	140	160	130
	50	1.0	1.6	1.9	32	2225	1604	0.387	0.641	210	160	190	150
	70	1.1	2.0	2.1	37	3099	2231	0.268	0.443	250	200	250	190
	95	1.1	2.0	2.2	40	3766	2586	0.193	0.320	285	230	300	240
	120	1.2	2.0	2.3	41	4451	2962	0.153	0.253	330	260	350	290
	150	1.4	2.5	2.5	50	5872	4011	0.124	0.206	375	300	400	330
	185	1.6	2.5	2.6	54	6920	4625	0.0991	0.164	420	340	460	370
	240	1.7	2.5	2.8	59	8438	5460	0.0754	0.125	500	400	550	440
	300	1.8	2.5	2.9	65	10030	6308	0.0601	0.100	580	510	600	560

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

Single-Core XLPE Insulated PVC Sheathed Power Cable With Thin Steel Wire Armor

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Dia. of steel wire mm	Nom. sheath thickness mm	Approx OD of cable mm	Apporx weight of cable kg/km		Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
										Direct in ground		Run in air	
						YJV 32	YJLV32	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	10	0.7	1.6	1.8	15	544	482	1.83	3.08	95	75	75	60
	16	0.7	1.6	1.8	16	628	529	1.15	1.91	125	100	100	80
	25	0.9	1.6	1.8	18	788	634	0.727	1.20	160	130	140	115
	35	0.9	1.6	1.8	19	927	711	0.524	0.868	190	150	175	140
	50	1.0	1.6	1.8	20	1121	811	0.387	0.641	225	180	210	170
	70	1.1	1.6	1.8	22	1398	965	0.268	0.443	280	225	270	215
	95	1.1	1.6	1.8	24	1697	1109	0.193	0.320	335	270	340	275
	120	1.2	1.6	1.8	25	2001	1258	0.153	0.253	380	305	400	320
	150	1.4	2.0	1.8	28	2555	1626	0.124	0.206	425	340	460	370
	185	1.6	2.0	1.9	30	3005	1860	0.0991	0.164	480	375	530	415
	240	1.7	2.0	2.0	33	3665	2179	0.0754	0.125	555	435	625	490
	300	1.8	2.0	2.0	35	4359	2502	0.0601	0.100	615	496	685	550
3.6/6kv	25	2.5	2.0	1.8	25	1226	1071	0.727	1.20	210	165	190	145
	35	2.5	2.0	1.8	26	1387	1161	0.524	0.868	250	195	230	180
	50	2.5	2.0	1.8	27	1600	1291	0.387	0.641	300	235	275	215
	70	2.5	2.0	1.8	29	1878	1256	0.268	0.443	370	290	340	266
	95	2.5	2.0	1.9	31	2212	1624	0.193	0.320	450	350	420	325
	120	2.5	2.0	2.0	32	2540	1797	0.153	0.253	515	400	480	375
	150	2.5	2.0	2.0	34	3130	2201	0.124	0.206	580	450	550	405
	185	2.5	2.5	2.1	37	3559	2414	0.0991	0.164	660	510	635	490
	240	2.6	2.5	2.2	39	4233	2747	0.0754	0.125	770	595	745	580
	300	2.8	2.5	2.3	42	5005	3148	0.0601	0.100	875	680	860	665
6/6kv 6/10kv	25	3.4	2.0	1.8	27	1367	1212	0.727	1.20	210	160	190	145
	35	3.4	2.0	1.8	28	1522	1305	0.524	0.868	250	195	230	180
	50	3.4	2.0	1.8	29	1731	1422	0.387	0.641	300	230	275	215
	70	3.4	2.0	1.9	31	2027	1594	0.268	0.443	370	285	345	266
	95	3.4	2.0	1.9	33	2353	1765	0.193	0.320	445	345	415	325
	120	3.4	2.0	2.0	34	2912	2170	0.153	0.253	505	395	480	375
	150	3.4	2.5	2.1	37	3225	2396	0.124	0.206	575	445	550	405
	185	3.4	2.5	2.1	39	3743	2597	0.0991	0.164	650	500	630	490
	240	3.4	2.5	2.2	42	4470	2983	0.0754	0.125	760	590	745	580
	300	3.4	2.5	2.3	43	5140	3282	0.0601	0.100	870	670	860	665
8.7/10kv 8.7/15kv	25	2.5	2.0	1.8	29	1531	1376	0.727	1.20	210	160	190	145
	35	2.5	2.0	1.8	30	1703	1486	0.524	0.868	250	195	230	180
	50	2.5	2.0	1.8	32	1934	1624	0.387	0.641	300	230	275	215
	70	2.5	2.0	1.8	33	2222	1789	0.268	0.443	370	285	345	266
	95	2.5	2.0	1.9	36	2813	2225	0.193	0.320	445	345	415	325
	120	2.5	2.0	2.0	38	3155	2413	0.153	0.253	505	395	480	375
	150	2.5	2.0	2.0	39	3532	2603	0.124	0.206	575	445	550	405
	185	2.5	2.5	2.1	41	3998	2852	0.0991	0.164	650	500	630	490
	240	2.6	2.5	2.2	43	4668	3185	0.0754	0.125	760	590	745	580
	300	2.8	2.5	2.3	45	5395	3538	0.0601	0.100	870	670	860	665

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Three-Core XLPE Insulated PVC Sheathed Power Cablewith Thin Steel Wire Armor

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Nom. Inner cover thickness mm	Dia. of steel wire mm	Nom. sheath thickness mm	Approx OD of cable mm	Apporx weight of cable kg/km		Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
											Direct in ground		Run in air	
							YJV 32	YJLV32	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	4	0.7	-	0.8	1.8	17	497	423	4.61	7.41	40	30	50	40
	6	0.7	-	0.8	1.8	18	589	479	3.08	4.61	50	40	60	45
	10	0.7	-	0.8	1.8	20	1049	864	1.83	3.08	65	50	80	60
	16	0.7	-	1.6	1.8	24	1320	1022	1.15	0.91	85	65	100	80
	25	0.9	-	1.6	1.8	28	1764	1300	0.727	0.20	115	90	130	100
	35	0.9	-	1.6	1.9	30	2161	1509	0.524	0.868	145	110	155	120
	50	1.0	-	1.6	2.0	33	2768	1873	0.387	0.641	175	130	185	140
	70	1.1	-	2.0	2.1	39	3818	2514	0.268	0.443	220	170	225	175
	95	1.1	-	2.5	2.2	42	4761	2992	0.193	0.320	270	205	270	210
	120	1.2	-	2.5	2.4	47	6154	3920	0.153	0.253	315	240	305	235
	150	1.4	-	2.5	2.6	52	7420	4627	0.124	0.206	360	275	345	265
	185	1.6	-	2.5	2.8	57	8847	5402	0.0991	0.164	420	320	390	301
3.6/6kv	240	1.7	-	2.5	2.9	63	10863	6394	0.0754	0.125	500	385	455	355
	25	2.5	1.2	2.0	2.4	43	4000	3381	0.727	1.20	140	110	140	110
	35	2.5	1.3	2.5	2.4	47	4244	3572	0.524	0.868	170	125	155	130
	50	2.5	1.3	2.5	2.5	50	4899	3968	0.387	0.641	200	145	187	150
	70	2.5	1.4	2.5	2.6	54	5835	4531	0.268	0.443	245	180	235	190
	95	2.5	1.4	2.5	2.8	58	6965	5196	0.193	0.320	298	215	307	220
	120	2.5	1.5	2.5	2.9	61	7994	5760	0.153	0.253	337	245	353	250
	150	2.5	1.6	2.5	3.0	65	9269	6476	0.124	0.206	376	270	403	285
	185	2.5	1.6	2.5	3.1	69	10576	7132	0.0991	0.164	421	300	460	315
	240	2.6	1.7	3.15	3.3	76	13718	9249	0.0754	0.125	481	355	541	370
6/6kv 6/10kv	300	2.8	1.8	3.15	3.5	82	16154	10568	0.0601	0.100	515	415	545	430
	25	3.4	1.3	2.5	2.4	48	4200	3700	0.727	1.20	140	110	140	110
	35	3.4	1.3	2.5	2.5	51	4721	4069	0.524	0.868	171	125	161	130
	60	3.4	1.4	2.5	2.6	55	5469	4538	0.387	0.641	201	150	192	155
	70	3.4	1.5	2.5	2.8	59	6500	5197	0.268	0.443	250	180	256	190
	95	3.4	1.5	2.5	2.9	62	8163	6394	0.193	0.320	298	210	313	225
	120	3.4	1.6	2.5	3.0	66	8694	6459	0.153	0.253	337	250	361	255
	150	3.4	1.6	2.5	3.1	70	9876	7083	0.124	0.206	375	280	409	295
	185	3.4	1.7	3.15	3.3	75	12143	8698	0.0991	0.164	420	320	465	340
	240	3.4	1.8	3.15	3.5	80	14300	9831	0.0754	0.125	480	375	544	395
8.7/10kv 8.7/15kv	300	3.4	1.9	3.15	3.6	86	16750	11164	0.0601	0.100	545	440	580	455
	25	4.5	1.4	2.5	2.6	53	4800	4256	0.727	1.20	140	110	140	110
	35	4.5	1.4	2.5	2.7	57	5368	4716	0.524	0.868	175	125	177	130
	60	4.5	1.5	2.5	2.8	60	6143	5212	0.387	0.641	206	150	212	155
	70	4.5	1.6	2.5	2.9	64	7159	5856	0.268	0.443	251	180	264	190
	95	4.5	1.6	2.5	3.1	68	8329	6560	0.193	0.320	298	210	320	225
	120	4.5	1.7	2.5	3.2	71	10269	8035	0.153	0.253	336	250	365	255
	150	4.5	1.7	3.15	3.3	76	11572	8779	0.124	0.206	375	280	415	295
	185	4.5	1.8	3.15	3.5	80	13083	9638	0.0991	0.164	419	320	470	340
	240	4.5	1.9	3.15	3.6	86	5250	10781	0.0754	0.100	479	375	549	395

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

Four-Core Same Cross-Section XLPE Insulated PVC Sheathed Power Cable With Thin Steel Wire Armor

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Dia. of steel wire mm	Nom. sheath thickness mm	Approx OD of cable mm	Apporx weight of cable kg/km		Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
										Direct in ground		Run in air	
						YJV 32	YJLV32	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	2.5	0.7	0.8	1.8	17	474	412	7.41	12.1	30	25	40	30
	4	0.7	0.8	1.8	18	571	471	4.61	7.41	40	30	50	40
	6	0.7	0.8	1.8	19	725	578	3.08	4.61	50	40	60	45
	10	0.7	1.6	1.8	23	1222	974	1.83	3.08	65	50	80	60
	16	0.7	1.6	1.8	26	1602	205	1.15	1.91	85	65	100	80
	25	0.9	1.6	1.9	30	2125	504	0.727	1.20	115	90	130	100
	35	0.9	1.6	1.9	32	2609	740	0.524	0.868	145	110	155	120
	50	1.0	2.0	2.1	37	3643	2402	0.387	0.641	175	130	185	140
	70	1.1	2.0	2.2	39	4364	2630	0.268	0.443	220	170	225	175
	95	1.1	2.0	2.4	43	5526	3173	0.193	0.320	270	205	270	210
	120	1.2	2.5	2.5	48	7147	4913	0.153	0.253	315	240	305	235
	150	1.4	2.5	2.7	53	8630	4913	0.124	0.206	360	275	345	265
	185	1.6	2.5	2.9	58	9654	5069	0.0991	0.164	420	320	390	305
	240	1.7	2.5	3.1	63	12773	6825	0.0754	0.125	500	385	455	355
	300	1.8	2.5	3.3	69	14500	8667	0.0601	0.100	585	450	525	400

(3+1)-Core XLPE Insulated PVC Sheathed Power Cable With Thin Steel Wire Armor

AC Rated Voltage	Nom. Cross-section mm²	Nom. insulation thickness mm	Dia. of steel wire mm	Nom. sheath thickness mm	Approx OD of cable mm	Apporx weight of cable kg/km		Max.DC Resistance of Conductor at 20 ℃Ω/km		Current Rating (A)			
										Direct in ground		Run in air	
						VV32	YJLV32	Cu	Al	Cu	Al	Cu	Al
0.6/1kv	3×2.5+1×1.5	0.7 0.7	0.8	1.8	17	457	-	7.41 12.1	- -	35	-	30	-
	3×4+1×2.5	0.7 0.7	0.8	1.8	18	549	459	4.61 7.41	7.41 12.1	50	40	40	30
	3×6+1×4	0.7 0.7	0.8	1.8	19	657	522	3.08 4.61	4.61 7.41	60	45	50	40
	3×10+1×6	0.7 0.7	0.8	1.8	21	862	640	1.83 3.08	3.08 4.61	80	60	65	50
	3×16+1×10	0.7 0.7	1.6	1.8	25	1381	1110	1.15 1.83	1.91 3.08	100	80	85	65
	3×25+1×16	0.9 0.7	1.6	1.8	29	1971	1407	0.727 1.15	1.20 1.91	130	100	115	90
	3×35+1×16	0.9 0.7	1.6	1.9	31	2226	1605	0.524 1.15	0.868 1.91	155	120	145	110
	3×50+1×25	1.0 0.9	2.0	2.0	36	3534	2450	0.387 0.727	0.641 1.20	185	140	175	130
	3×70+1×35	1.1 0.9	2.0	2.2	40	4237	2719	0.268 0.524	0.443 0.868	225	175	220	170
	3×95+1×50	1.1 1.0	2.0	2.3	44	5332	3257	0.193 0.387	0.320 0.641	270	210	270	205
	3×120+1×70	1.2 1.1	2.5	2.5	50	7007	4341	0.153 0.268	0.253 0.443	305	235	315	240
	3×150+1×70	1.4 1.1	2.5	2.6	54	8207	4607	0.124 0.268	0.206 0.443	345	265	360	275
	3×185+1×95	1.6 1.1	2.5	2.8	60	9567	5540	0.0991 0.193	0.164 0.320	390	301	420	320
	3×240+1×120	1.7 1.2	2.5	3.0	65	12150	6945	0.0754 0.153	0.125 0.253	455	355	500	385
	3×300+1×150	1.8 1.4	3.15	3.2	74	15566	9060	0.0604 0.124	0.100 0.206	410	410	600	450

GHCABLE

XLPE Insulated Power Cable

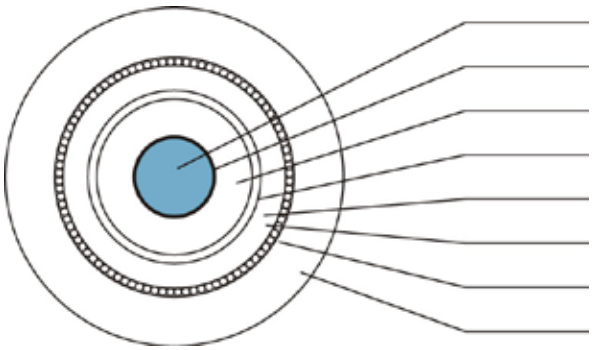
Extruded XLPE insulation with rated voltage from 12/20KV to 26/35KV

Standard:IEC60502

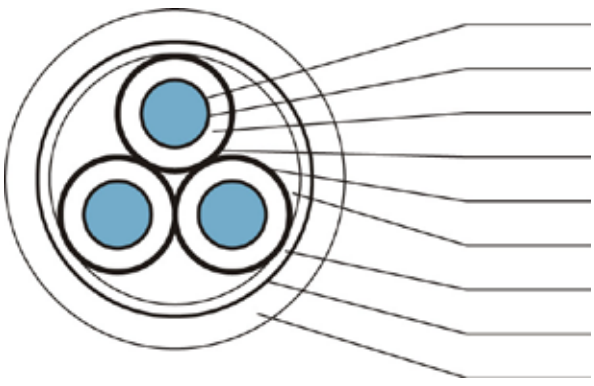
Operating features:

Maximum rated operation temperature of conductor:90˚C
Maximum short circuit temperature of conductor(duration 5sec.):250˚C
It should be pre-warmed before installation when th e ambient temper ature is below 0˚C
Minimum bending radius of cable for installation(D is the overall diameter of cable):
For non-armoured single core cable:20D
For non-armoured multi-core cable:15D
For armoured s ingle core cable:15D
For armoured multi-core cable:12D

Sketches Of Product Construction



single core XLPE insulated steel wire armoured power cable



three-core XLPE insulated steel tape armoured power cable

XLPE Insulated Power Cable

Type Description And Installation Location

Rated voltage 12/20 26/35kV XLPE insulated power cable

Type		Description	Installation location
Copper core	Aluminium core		
YJV	YJLV	XLPE insulated PVC sheathed power cable	Aerial indoor tunnel trench and conduit
YJY	YJLY	XLPE insulated PE sheathed power cable	
YJV22	YJLV22	XLPE insulated steel tape armoured and PVC sheathed power cable	Indoor tunnel trench and conduit
YJY23	YJLY23	XLPE insulated steel tape armoured and PE sheathed power cable	
YJV32	YJLV32	XLPE insulated fine steel-wire armoured and PVC sheathed power cable	Large difference shaft well and underwater
YJY33	YJLY33	XLPE insulated fine steel-wire armoured and PE sheathed power cable	
YJV42	YJLV42	XLPE insulated thick steel-wire armoured and PVC sheathed power cable	The shaft for bearing large pulling force and seabed
YJY43	YJLY43	XLPE insulated thick steel-wire armoured and PE sheathed power cable	

Rated Voltage Of Cable,Nominal Sectional Area And No.Of Cores

Type		No.of Cores	Rated Voltage(kV)	
			12/20	18/30-26/35
			Nominal cross sectional area(mm^2)	
YJV	YJLV	1	25~1200	35~1200
YJY	YJLY		25~1200	35~1200
YJV32	YJLV32		25~1200	35~1200
YJY33	YJLY33		25~1200	35~1200
YJV42	YJLV42		25~1200	35~1200
YJY43	YJLY43		25~1200	35~1200
YJV	YJLV	3	25~500	35~500
YJY	YJLY		25~500	35~500
YJV22	YJLV22		25~500	35~500
YJY23	YJLY23		25~500	35~500
YJV32	YJLV32		25~500	35~500
YJY33	YJLY33		25~500	35~500
YJV42	YJLV42		25~500	35~500
YJY43	YJLY43		25~500	35~500

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XLPE Insulated Power Cable

Single Core XLPE Insulated Power Cable

12/20Kv

Nom. Cross-section mm²	Reference conductor diameter mm	Nominal insulation thickness mm	Approx overall diameter of cable mm	Approx weight of cable kg/km		Approx overall diameter of cable mm	Approx weight of cable kg/km		Approx overall diameter of cable mm	Approx weight of cable kg/km	
				YJV YJY	YJLV YJLY		YJV32 YJY33	YJLV32 YJLY33		YJV42 YJY43	YJLV42 YJLY43
35	7.1	5.5	25	879	651	31	1869	1641	36	3312	3084
50	8.4	5.5	26	1032	734	33	2292	1995	38	3407	3109
70	10.0	5.5	28	1281	849	35	2632	2200	39	3974	3542
95	11.7	5.5	30	1616	996	37	3025	2407	41	4447	3829
120	13.1	5.5	32	1954	1148	39	3462	2656	43	4940	4134
150	14.6	5.5	34	2267	1291	41	3850	2874	45	5394	4417
185	16.2	5.5	35	2602	1431	42	4258	3087	47	5911	4739
240	18.4	5.5	38	3205	1678	46	5394	3867	49	6907	5380
300	20.6	5.5	40	3614	1970	48	5928	4284	51	7292	5648
400	23.8	5.5	44	4817	2335	52	6120	4841	55	7587	6308
500	26.6	5.5	47	5868	2783	56	8589	5504	59	10160	7074
630	30.0	5.5	51	7179	3289	60	10137	6246	63	11822	7931
800	34.0	5.5	56	8707	4027	65	11977	7296	68	13813	9133
1000	38.2	5.5	63	11058	4866	73	15580	9387	75	16754	10561

Note:The approx weight of cable is the weight of PVC sheathed cable.

Three-Core XLPE Insulated Power Cable

Nominal cross sectional area mm²	Reference conductor diameter mm	Nominal insulation thickness mm	Approx overall diameter of cable mm	Approx weight of cable kg/km		Approx overall diameter of cable mm	Approx weight of cable kg/km		Approx overall diameter of cable mm	Approx weight of cable kg/km		Approx overall diameter of cable mm	Approx weight of cable kg/km	
				YJV YJY	YJLV YJLY		YJV22 YJY23	YJLV22 YJLY23		YJV32 YJY33	YJLV32 YJLY33		YJV42 YJY43	YJLV42 YJLY43
35	7.1	5.5	53	3168	2482	58	4465	3779	61	6048	5362	61	7783	7097
50	8.4	5.5	56	3676	2782	61	5072	4178	64	6702	5808	64	8522	7628
70	10	5.5	60	4514	3215	65	6005	4705	69	7804	6504	69	9742	8442
95	11.7	5.5	63	5572	3711	69	7210	5349	75	10114	8254	75	11282	9422
120	13.1	5.5	68	6695	4239	74	8547	6121	79	11510	9084	79	12776	10350
150	14.6	5.5	71	7764	4826	77	10426	7488	83	12805	9867	83	14133	11196
185	16.2	5.5	75	8914	5389	81	11716	8191	87	14249	10724	87	15605	12080
240	18.4	5.5	80	10879	6284	88	14117	9521	92	16574	11978	92	18052	13456
300	20.6	5.5	85	13328	7361	93	16762	10795	97	19321	13354	97	20884	14917

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Single Core XLPE Insulated Power Cable

26/35Kv

Nom. Cross-section mm²	Reference conductor diameter mm	Nominal insulation thickness mm	Approx overall diameter of cable mm	Approx weight of cable kg/km		Approx overall diameter of cable mm	Approx weight of cable kg/km		Approx overall diameter of cable mm	Approx weight of cable kg/km	
				YJV YJY	YJLV YJLY		YJV32 YJY33	YJLV32 YJLY33		YJV42 YJY43	YJLV42 YJLY43
50	8.4	10.5	38	1635	1356	46	3831	3501	50	5157	4887
70	10.0	10.5	40	1948	1516	48	4251	3819	51	5609	5117
95	11.7	10.5	41	2294	1676	50	4706	4088	53	6115	5495
120	13.1	10.5	43	2665	1849	51	5056	4350	55	6614	5808
150	14.6	10.5	44	2975	1999	54	5594	4617	56	7097	6121
185	16.2	10.5	46	3362	2191	56	6046	4874	58	7597	6426
240	18.4	10.5	49	4006	2479	58	6848	5320	61	8472	6945
300	20.6	10.5	51	4852	2868	60	7841	5858	63	9532	7549
400	23.8	10.5	55	5700	3218	63	8886	6404	67	10680	8198
500	26.6	10.5	60	6857	3771	69	10349	7262	72	12289	9201
630	30.0	10.5	62	8214	4323	71	11845	7954	74	13258	9366
800	34.0	10.5	66	9710	5030	77	14546	9866	79	15658	11008
1000	38.2	10.5	71	12059	5866	82	17210	11017	84	16523	12331

Note:The approx weight of cable is the weight of PVC sheathed cable.

Three-Core XLPE Insulated Power Cable

26/35kV

Nominal cross sectional area mm²	Reference conductor diameter mm	Nominal insulation thickness mm	Approx overall diameter of cable mm	Approx weight of cable kg/km		Approx overall diameter of cable mm	Approx weight of cable kg/km		Approx overall diameter of cable mm	Approx weight of cable kg/km		Approx overall diameter of cable mm	Approx weight of cable kg/km	
				YJV YJY	YJLV YJLY		YJV22 YJY23	YJLV22 YJLY23		YJV32 YJY33	YJLV32 YJLY33		YJV42 YJY43	YJLV42 YJLY43
3x50	8.4	10.5	81	5510	4780	91	10300	9680	92	11780	10860	98	17060	17060
3x70	10.0	10.5	86	7830	6520	95	11480	10200	96	13010	11720	102	18260	18260
3x95	11.7	10.5	91	8910	7300	99	12750	11010	100	14380	12630	106	19830	19830
3x120	13.1	10.5	94	9960	7700	102	13930	11730	103	15600	13400	109	21320	21320
3x150	14.6	10.5	98	11230	8410	106	15360	12590	107	16960	14200	112	22940	22940
3x185	16.2	10.5	101	12610	9140	110	16930	13500	111	18670	15210	117	24800	24800
3x240	18.4	10.5	106	14600	10170	115	19250	14800	116	21010	16530	16530	27340	22860
3x300	20.6	10.5	111	16940	10320	120	21790	16230	121	23420	17820	17820	29950	24350
3x400	23.8	10.5	118	20190	11690	125	24530	17065	127	26380	18910	18910	33440	25980
3x500	27.2	10.5	122	22990	12500	131	27300	17900	134	29630	20300	20300	36550	27230

Note:The approx weight of cable is the weight of PVC sheathed cable.

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XLPE Insulated Power Cable

Main Technical Properties

No	Technical properties / Uo/U(kV) Rated voltage	3.6/6	6/6 6/10	8.7/10 8.7/15	12/20	18/30	21/35	26/35
1	Conductor DC resistance(/km)	See next table						
2	Routine partial discharge test at 2Uo	Discharge magnitude shall not exceed 5pC						
3	Routine A.C.voltage test For cable of Uo 18kV,test voltage of 3.5Uo shall be applied for 5 min-utes and no breakdown of insulation shall occur; For cable of Uo 18kV,test voltage of 3.5Uo shall be applied for 5 min-utes or 2.5Uo shall be applied for 30 minutes,no breakdown of insulation shall occur;	12.6/5	21/5	30.5/5	42/5	63/5	73.5/5 (or) 52.5/30	91/5 (or) 65/30
4	Power frequency AC voltage test for 4 hours(kV)	14.4	24	34.8	48	72	84	104
5	Hot set test 2200 15min,20N/cm Max.elongation at loading(%) Max.permanent elongation after cooling(%)							
6	Hot impact test(kV) (Heating till 5 higher than contin-uous operating temperature posit-ive & negative pole each 10 times)	60	75	95	125	170	200	250

Conductor DC Resistance

Nominal cross sectional area (mm2) / Max.DC.Resistance at 20℃(Ω/km)	25	35	50	70	95	120	150	185
Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991
Al	1.20	0.868	0.641	0.443	0.320	0.253	0.206	0.164

Table Continued

Nominal cross sectional area (mm2) / Max.DC.Resistance at 20℃(Ω/km)	240	300	400	500	630	800	1000
Cu	0.0754	0.0601	0.0470	0.0366	0.0283	0.0221	0.0176
Al	0.125	0.100	0.0778	0.0605	0.0469	0.0367	0.0291

Continuous Current Capacity Of Single Core XLPE Insulated Power Cable With Rated Voltage 18/30Kv To 26/35Kv

Type	YJV YJLY YJY YJLY							
Arrange type	Delta(connect each other)				Flat(the space betweem adjacent cores is the overall diameter of cable)			
Laying method	In air		Direct buired		In air		Direct buired	
Nominal cross section area(mm^2)	Cu	Al	Cu	Al	Cu	Al	Cu	Al
50	215	170	260	200	250	190	225	175
70	270	210	320	250	305	240	275	215
95	330	255	390	300	375	290	335	260
120	380	295	445	345	435	335	380	295
150	430	330	500	395	490	380	425	330
185	490	380	570	440	565	435	485	375
240	575	450	665	515	665	520	565	435
300	660	515	750	585	760	590	635	495
400	765	600	867	680	890	695	730	570
500	875	695	980	775	1030	810	830	655
630	1010	810	1110	895	1200	950	950	755
800	1150	940	1250	1020	1380	1110	1080	865
1000	1260	1050	1360	1130	1540	1250	1190	960
Ambient temperature	40 ℃		25℃		40 ℃		25 ℃	
Operating temperature	90℃							

1)Reference continuous current capacity of steel wire armoured single-core cable is 65% of that of non-armoured single-core℃ cable.
2)The moisture in soil is not considered.The soil thermal resistivity ρ w=1.0℃ m/W.See following table for correction coefficient of reference current carrying capacity.
3)One end of metal screen shall be earthed.

Continuous Current Capacity Of Three-Core XLPE Insulated Power Cable With Rated Voltage 18/30Kv To 26/35Kv

Type	YJV YJLY YJY YJLY				YJV22 YJLV22 YJV32 YJLV32 YJV42 YJLV42 YJY23 YJLY23 YJY33 YJLY33 YJY43 YJLY43			
Laying method	In air		Direct buired		In air		Direct buired	
Nominal cross section area(mm^2)	Cu	Al	Cu	Al	Cu	Al	Cu	Al
3x35	150	115	160	125	150	115	160	125
3x50	180	140	190	145	180	140	190	145
3x70	220	170	230	180	220	170	230	180
3x95	265	205	275	215	265	205	275	215
3x120	305	235	315	245	310	240	315	245
3x150	345	270	355	275	350	270	355	275
3x185	390	305	400	310	400	310	400	310
3x240	455	355	460	360	465	360	460	360
3x300	525	410	520	410	535	420	520	410
3x400	600	470	590	465	615	485	590	465
Ambient temperature	40 ℃		25℃		40 ℃		25 ℃	
Operating temperature	90℃							

1)The moisture in soil is not considered.The soil thermal resistivity℃ ρ w=1.0℃ m/W.See following table for correction coefficient℃ of reference current carrying capacity.
2)Cable is installed separately,the adjacent cable has no thermal effect on each other.

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Continuous Current Capacity Of Single Core XLPE Insulated Power Cable With Rated Voltage 3.6/6Kv To 12/20Kv

Type	YJV YJLY YJY YJLY							
Arrange type	Delta(connect each other)				Flat(the space betweem adjacent cores is the overall diameter of cable)			
Laying method	In air		Direct buired		In air		Direct buired	
Nominal cross section area(mm^2)	Cu	Al	Cu	Al	Cu	Al	Cu	Al
25	145	110	185	145	170	130	160	125
35	175	135	225	175	205	160	190	150
50	210	160	270	210	245	190	230	175
70	260	200	330	255	310	240	280	215
95	320	245	400	310	380	295	335	260
120	370	285	460	345	440	340	385	295
150	420	325	520	400	500	385	430	335
185	460	375	585	455	570	445	490	380
240	565	440	680	530	675	525	565	440
300	650	510	775	605	780	610	640	500
400	755	595	885	700	910	710	735	575
500	865	690	1000	795	1050	825	835	660
630	1000	810	1140	920	1230	970	960	760
800	1140	940	1270	1040	1420	1140	1080	865
1000	1250	1050	1370	1150	1580	1290	1180	970
Ambient temperature	40 ℃		25 ℃		40 ℃		25 ℃	
Operating temperature	90 ℃							

1) Reference continuous current capacity of steel wire armoured single-core cable is 65% of that of non-armoured single-corecable.
2) The moisture in soil is not considered.The soil thermal resistivityρ w=1.0℃ m/W.See following table for correction coefficient of reference current carrying capacity. 3) One end of metal screen shall be earthed.

Continuous current capacity of three-core XLPE insulated power cable with rated voltage 18/30kV to 26/35kV

Type	YJV YJLY YJY YJLY				YJV22 YJLV22 YJV32 YJLV32 YJV42 YJLV42 YJY23 YJLY23 YJY33 YJLY33 YJY43 YJLY43			
Laying method	In air		Direct buired		In air		Direct buired	
Nominal cross section area(mm^2)	Cu	Al	Cu	Al	Cu	Al	Cu	Al
3x25	120	96	135	105	120	90	135	105
3x35	150	115	160	125	145	110	160	125
3x50	175	135	190	150	170	130	190	150
3x70	220	170	235	185	210	165	235	185
3x95	265	205	285	220	265	200	285	220
3x120	305	235	320	250	300	235	320	250
3x150	350	270	365	285	340	265	365	285
3x185	395	310	410	320	390	305	410	320
3x240	465	365	475	370	455	355	475	370
3x300	530	415	535	420	520	410	535	420
3x400	615	485	605	480	600	475	605	480
Ambient temperature	40 ℃		25 ℃		40 ℃		25 ℃	
Operating temperature	90 ℃							

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

Correction Coefficient Of Current-Carrying Capacity Under Different Ambient Temperature.(In Air)

Operating temperature of conductor (℃)	Ambient temperature(in air) (℃)								
	10	15	20	25	30	35	40	45	50
60	1.58	1.50	1.41	1.32	1.22	1.11	1.00	0.86	0.73
65	1.48	1.41	1.34	1.26	1.18	1.09	1.00	0.89	0.77
70	1.41	1.35	1.29	1.22	1.15	1.08	1.00	0.91	0.81
80	1.32	1.27	1.22	1.17	1.11	1.06	1.00	0.93	0.86
90	1.26	1.22	1.18	1.14	1.09	1.04	1.00	0.94	0.89
105	1.22	1.19	1.15	1.11	1.08	1.04	1.00	0.95	0.91

Correction Coefficient Of Current-Carrying Capacity Under Different Ambient Temperature.(In Soil)

Operating temperature of conductor (℃)	Ambient temperature(in Soil) (℃)					
	10	15	20	25	30	35
60	1.20	1.13	1.07	1.00	0.93	0.85
65	1.17	1.12	1.06	1.00	0.94	0.87
70	1.15	1.11	1.05	1.00	0.94	0.88
80	1.13	1.09	1.04	1.00	0.95	0.90
90	1.11	1.07	1.04	1.00	0.96	0.92

Correction Coefficient Of Current-Carrying Capacity Under Different Ambient Temperature.(In Soil)

Voltage	Sectional area	ρt(℃.m/w) Thermal resistivity				
(kV)	(mm^2)	0.8	1.0	1.2	1.5	2.0
3.6/6~6/6	≤35	1.06	1.00	0.95	0.88	0.80
	50~150	1.08	1.00	0.94	0.87	0.77
	≥185	1.09	1.00	0.93	0.85	0.76
6/10~12/15	≤35	1.05	1.00	0.95	0.89	0.80
	50~150	1.06	1.00	0.94	0.88	0.79
	≥185	1.07	1.00	0.93	0.86	0.77
12/20~26/35	≤95	1.05	1.00	0.95	0.90	0.82
	≥120	1.06	1.00	0.94	0.83	0.80

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Correction Coefficient Of Current-Carrying For Multi-Cable Laid In Parallel In Air.

Array	Layer no .	Layer×Pcs	Gap between cables/cables Dia. D/D		Correction factor of current rating	Note
			Level	Vertical		
Array of muti-cabl		1×2	-	＜5	0.89	D=Gap between cables; De=Outer Dia.of cables Array legend one layer:1×3 ○ ○ ○ Two layers:2×2 ○ ○ ○ ○ Three layers:3×3 ○ ○ ○ ○ ○ ○ ○ ○ ○
		1×3	-	＜0.75	0.84	
	Two	2×1	＜0.5	1.9~1.5	0.99	
				1.4~1.0	0.97	
				＜0.5	0.90	
		2×2	＜0.5	2~1.5	0.99	
				1.49~1.5	0.97	
				0.9~0.5	0.90	
	Three	3×1	-	4~3	0.99	
				2.9~2.0	0.97	
				1.9~1.0	0.94	
				＜0.5	.85	
		3×2 3×3	＜0.5 ＜0.75	4~3	0.99	
				2.9~2.0	0.97	
				1.9~1.0	0.94	
				＜0.5	0.85	

Max.Calculated Permissible Short-Circuit Current Of Conductor.

Nominal cross-sectional area of conductor mm²	Maximum permissible short-circuit current f conductor(1 second) KA	
	Copper conductor	Aluminum conductor
10	1.51	0.988
16	2.39	1.56
25	3.69	2.42
35	5.15	3.37
50	7.31	4.79
70	10.2	6.68
95	13.8	9.03
120	17.4	11.4
150	21.7	14.2
185	26.7	17.5
240	34.6	22.6
300	43.1	28.2
400	57.4	37.6
500	71.7	47.0
630	88.8	58.0

Max.Permissible Short-Circuit Current For Metallic Screen(Copper Tape Screen) Single-Core Cable

Nominal cross-sectional area of conductor mm²	Rated voltages of cable(kV)			
	12/20	18/30	21/35	26/35
	Short-circuit current A			
35	-	-	-	-
50	1096	-	-	-
70	1095	1284	1286	1288
95	1091	1281	1285	1286
120	1272	1280	1284	1283
150	1271	1279	1280	1282
185	1270	1278	1279	1282
240	1267	1275	1279	1279
300	1266	1274	1276	1278
400	1265	1271	1275	1277
500	1260	1270	1272	1274
630	1257	1266	1272	1273
35	1253	1265	1270	1270

Capacitance Of Cable(Reference Value)

Nominal cross-sectional area of conductor mm²	Rated voltages of cable(kV)			
	12/20	18/30	21/35	26/35
	Capacitance for each phase μF/km			
25	0.1378	0.1163	0.1064	0.0992
35	0.1502	0.1251	0.1140	0.1061
50	0.1661	0.1363	0.1239	0.1150
70	0.1868	0.1508	0.1365	0.1263
95	0.2060	0.1643	0.1483	0.1368
120	0.2228	0.1760	0.1584	0.1460
150	0.2418	0.1893	0.1700	0.1563
185	0.2656	0.2060	0.1815	0.1665
240	0.2916	0.2207	0.1972	0.1805
300	0.3175	0.2387	0.2128	0.1745
400	0.3551	0.2648	0.2354	0.2146
500	0.3880	0.2876	0.2551	0.2321
630	0.4278	0.3151	0.2789	0.2533

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Inductance For Single-Core Cable.(Reference Value)

Nominal cross-sectional area of conductor mm²	Rated voltages of cable(kV)			
	12/20	18/30	21/35	26/35
	Inductance μH/km			
25	0.6621	0.7006	0.7168	0.7273
35	0.6390	0.6762	0.6942	0.7021
50	0.6145	0.6501	0.6675	0.6751
70	0.5919	0.5252	0.6394	0.6467
95	0.5726	0.6043	0.6180	0.6279
120	0.5586	0.5891	0.6051	0.6118
150	0.5449	0.5740	0.5895	0.5959
185	0.5351	0.5640	0.5760	0.5839
240	0.5216	0.5487	0.5615	0.5677
300	0.5102	0.5376	0.5484	0.5540
400	0.4991	0.5219	0.5343	0.5395
500	0.4907	0.5128	0.5224	0.5272
630	0.4827	0.5012	0.5101	0.5161

Inductance For Three-Core Cable(Reference Value)

Nominal cross-sectional area of conductor mm²	Rated voltages of cable(kV)		
	12/20	18/30	26/35
	Inductance μH/km		
25	-	-	-
35	0.4064	-	-
50	0.3845	0.4396	0.4679
70	0.3620	0.4145	0.4427
95	0.3454	0.3956	0.4208
120	0.3392	0.3799	0.4019
150	0.3217	0.3642	0.3862
185	0.3145	0.3485	0.3737
240	0.3030	0.3360	0.3611
300	0.2935	0.3266	0.3485
400	0.2822	0.3041	0.3266
500	0.2742	-	-
630	-	-	-

RV-K Power Cable

Class 5 stranded copper conductors / XLPE insulated / PVC sheathed.

Applications

Suitable for the distribution of low voltage power indoors and outdoors. The high flexibility of this cable makes it particularly suitable for difficult layouts and the ease of handling saves time during installation.

Sheath colour: Black **Voltage:** 0.6 / 1kV **Operating Temperature:** -15°C to + 90°C

Colour code: 1 core - Black
2 core – Blue and Brown
3 core – Brown, Blue and Green / Yellow
4 core – Brown, Black, Grey and Green / Yellow
5 core – Brown, Black, Grey, Blue, Green / Yellow

Standards: IEC60502
Flame retardant to IEC60332-1-2

Design Standard: UNE 21123-2

Designation: R – XLPE insulation
V – PVC sheath
-K – Flexible conductor

Size (mm2)	No of cores	Nominal overall diameter (mm)	Bending radius(mm)	Current rating in air 40°C (A)	Current rating buried 25°C (A)	Weight (Kg/km)
1.5	1	5.7	25	20	27	45
2.5	1	6.1	25	28	36	60
4	1	6.7	30	38	46	75
6	1	7.2	30	84	58	95
10	1	8.2	35	66	78	140
16	1	9.2	40	88	100	195
25	1	10.8	45	115	125	285
35	1	11.9	50	145	150	380
50	1	13.5	55	185	185	520
70	1	15.6	65	235	225	720
95	1	17.4	70	285	260	930
120	1	19.4	80	335	300	1170
150	1	21.4	90	390	340	1450
185	1	23.3	95	445	380	1740
240	1	26.6	135	540	445	2310
300	1	30.2	155	610	500	2890
400	1	34.8	175	720	590	3920
500	1	39.1	200	820	670	5015
630	1	43.7	220	950	790	6585
1.5	2	8.6	35	24	27	100
2.5	2	9.4	40	33	36	130
4	2	10.5	45	45	46	170
6	2	11.6	50	57	58	220
10	2	13.5	55	79	77	330
16	2	15.5	65	105	100	470
25	2	18.8	75	123	128	705
35	2	21.2	85	154	154	945

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Size (mm2)	No of cores	Nominal overall diameter (mm)	Bending radius(mm)	Current rating in air 40°C (A)	Current rating buried 25°C (A)	Weight (Kg/km)
1.5	3	9	40	20	20	115
2.5	3	9.9	40	26	26	155
4	3	11.1	45	36	36	205
6	3	12.3	50	46	46	275
10	3	14.3	60	65	65	420
16	3	16.5	70	87	87	605
25	3	20	80	110	110	910
35	3	22.7	95	137	137	1235
1.5	4	9.9	40	20	20	140
2.5	4	10.9	45	26	26	185
4	4	12.2	50	36	36	255
6	4	13.5	55	46	46	340
10	4	15.8	65	65	65	530
16	4	18.3	75	87	87	770
25	4	22.4	90	110	110	1165
35	4	25.1	125	137	137	1570
1.5	5	10.8	45	20	23	170
2.5	5	11.9	50	26	30	225
4	5	13.4	55	36	38	310
6	5	14.9	60	46	48	420
10	5	17.5	70	65	64	650
16	5	20.2	85	87	82	950
25	5	24.8	100	110	106	1440
35	5	27.8	140	137	129	1950
50	5	32.5	165	137	152	2740
70	5	39.6	200	214	187	4130
95	5	44.6	225	259	222	5380
120	5	50.4	305	301	253	6840
150	5	55.7	335	353	286	8470
165	5	61.3	370	391	320	10235
240	5	70.1	425	468	370	13565
300	5	79.8	480	538	418	17085

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

PVC Insulated and sheathed Control cable

Application

The cables are designed for connection wires of power distribution equip-ments for controlling, monitoring, protecting circuits with A .C. rated voltage 450/750V and below.

Standard:

IEC60502

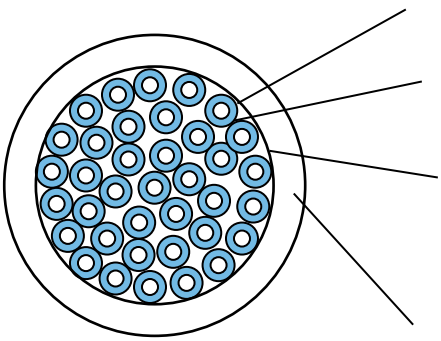
Operating features

2.1 The maximum permissible continuous operating temperature is 70℃

2.2 The lowest installation temperature of the cable is 0℃ .

2.3 Permissible Min. Bending radius not less than 6 times of the completed cable diameter for unarmoured cable; not less than 12 times of the completed cable diameter for armoured or copper tape screened cable; not less than 6 times of the completed cable diameter for screened flexible cable.

Sketches of product construction

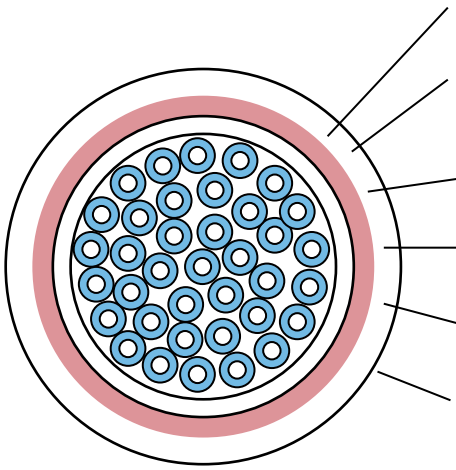


1. Conductor
2. Insulation
3. Binding tape

(screen included)

4. Sheath

KVV KVVP KVVRP KVVR KVVP2



1. Conductor
2. Insulation
3. Binding tape
4. Inner cover
5. Steel tape armour
6. Sheath

KVV22

GHCABLE

PVC Insulated and Sheathed Control Cable

Type, description and main application

Table1

Type	Description	Main Application
KVV	Copper conductor PVC insulated and sheathed control cable	For fixed installation, laying indoors, in trenches and ducts
KVVP	Copper conductor PVC insulated and sheathed control cable with braid screen	For fixed installation, laying indoors, in trenches and ducts, directly in ground where screen is required
KVVP2	Copper conductor PVC insulated and sheathed control cable with copper tape screen	Ditto
KVV22	Copper conductor PVC insulated and sheathed control cable with steel tape armor	For fixed installation, laying indoors,in trenches and ducts, directly in ground where heavier mechanical withstood
KVVR	Copper conductor PVC insulated and sheathed flexible control cable	For laying indoors, movable places where flexibility is requested
KVVRP	Copper conductor PVC insulated and sheathed flexible control cable with braid screen	For laying indoors, movable places where flexibility and shield is requested

Note: For flame resistance PVC insulated and sheathed cable add “ZR” in the front of above types e.g. ZR-KVV.

Scope of cables

Table2

Type	Rated voltage V	Nom.area of conductor (mm^2)							
		0.5	0.75	1.0	1.5	2.5	4	6	10
		No .of cores							
KVV	450/750	-	2~61	2~61	2~61	2~61	2~14	2~14	2~10
KVVP	450/750	-	2~61	4~61	4~61	2~61	2~14	2~14	2~10
KVVP2	450/750	-	4~61	7~61	7~61	4~61	4~14	4~14	4~14
KVV22	450/750	-	7~61	4~61	4~61	4~61	4~14	4~14	4~14
KVVR	450/750	4~61	4~61	4~61	4~61	4~61	-	-	-
KVVRP	450/750	4~61	4~61	2~61	2~61	4~48	-	-	-

Construction Table Of Conductor

Nom. Cross-section mm^2	Conductor construction		DC resistance at 20℃ Ω/km(≤)
	Category	No ./Nom. Dia of strand mm	
0.5	3	16/0.20	39.0
0.75	1	1/0.97	24.5
0.75	2	7/0.37	24.5
0.75	3	24/0.20	26.0
1.0	1	1/1.13	18.1
1.0	2	7/0.43	18.1
1.0	3	32/0.20	19.5
1.5	1	1/1.38	12.1
1.5	2	7/0.52	12.1
1.5	3	30/0.25	13.3
2.5	1	1/1.78	7.41
2.5	2	7/0.68	7.41
2.5	3	50/0.25	7.98
4	1	1/2.25	4.61
4	2	7/0.85	4.61
6	1	1/2.76	3.08
6	2	7/1.04	3.08
10	2	7/1.35	1.83

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

XLPE Insulated Control Cable

Application

The cables are designed for connection wires of power distribution equip-ments for controlling, monitoring, protecting circuits with A .C. rated voltage 450/750V and below.

Standard:

IEC60502

Operating features

2.1 Rated voltage Uo/U is 450/750V.

2.2 Allowed continuous working temperature of conductor is 90℃

2.3 Installation temperature of cables should be no less than 0℃ . Bending radius should be not less than 12 times O.D. of cable.

2.4 Max. Temperature of conductor (Max. 5sec. duration) should be not more than 250℃ .

Type,description and main application

Table1

Type	Description	Main Application
KYJV	Copper conductor XLPE insulated and PVC sheathed control cable	Laying indoors,in trenches,in ducts and directly in ground
KYJVR	Copper conductor XLPE insulated and PVC sheathed flexible control cable	
KYJVP	Copper conductor XLPE insulated and PVC sheathed control cable with braiding screen	Laying indoors,in trenches,in ducts directly in ground and other places that interference-resistance is requested.
KYJVP2	Copper conductor XLPE insulated and PVC sheathed control cable with copper tape lapping screen	
KYJVRP	Copper conductor XLPE insulated and PVC sheathed flexible control cable with braiding screen	
KYJVRP2	Copper conductor XLPE insulated and PVC sheathed flexible control cable with copper tape lapping screen	
KYJVPT	Copper conductor XLPE insulated and PVC sheathed control cable with copper tape longitudinal screen	
KYJVPL	Copper conductor XLPE insulated and PVC sheathed control cable with aluminum tape longitudinal screen	
KYJV22	Copper conductor XLPE insulated and PVC sheathed control cable with steel tape armour	For fixed installation,laying indoors,in trenches and ducts,directly in ground where heavier mechanical force withstood
KYJVP2-22(A)	Copper conductor XLPE insulated and PVC sheathed steel tape armored control cable with copper tape lapping screen	For fixed installation,laying indoors,in trenches and ducts,directly in ground where heavier mechanical force and interference resistance withstood
KYJVPT-22(A)	Copper conductor XLPE insulated and PVC sheathed steel tape armored control cable with copper tape longitudinal screen	
KYJVPL-22(A)	Copper conductor XLPE insulated and PVC sheathed steel tape armored control cable with aluminum tape longitudinal screen	

Note:For flame resistance XLPE insulated and PVC sheathed cable ,add ZR in the front of above types. e.g. ZR-KYJV

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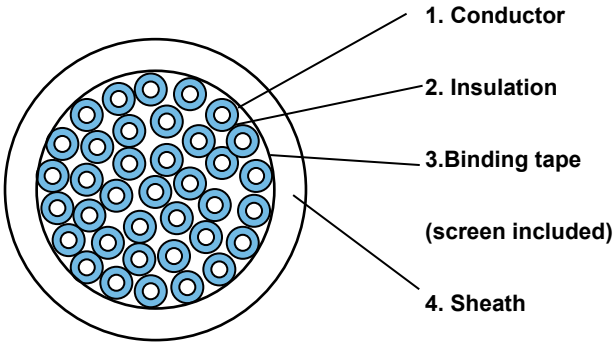
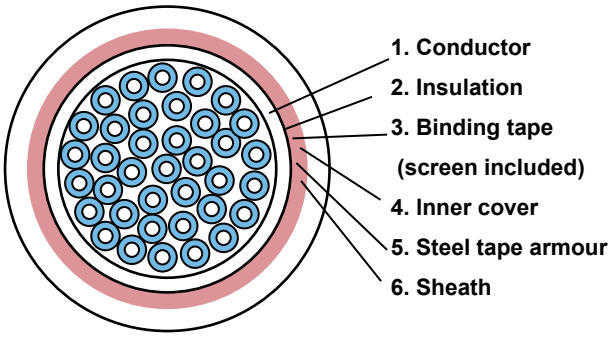
XLPE Insulated Control Cable

Sketches of product construction



KYJV KYJVP2 KYJVP KYJVRP2 KYJVRP
KYJVPT KYJVR KYJVPL



KYJV22 KYJVP2-22
KYJVPT-22 KYJVPL-22

Specification

Table2

Type	Rated voltage V	Nom.area of conductor (mm^2)						
		0.75	1.0	1.5	2.5	4	6	10
		No .of cores						
KYJV	450/750	2~61	2~61	2~61	2~14	2~14	2~14	2~10
KYJVR	450/750	2~61	2~61	2~61	2~14	2~14	2~14	2~10
KYJVRP	450/750	2~61	2~61	2~61	2~14	2~14	2~14	2~10
KYJVP	450/750	2~61	2~61	2~61	2~14	2~14	2~14	2~10
KYJVP2	450/750	2~61	2~61	2~61	2~14	2~14	2~14	2~10
KYJV22	450/750	2~61	2~61	2~61	2~14	2~14	2~14	2~10
KYJVRP2	450/750	2~61	2~61	2~61	2~14	2~14	2~14	2~10
KYJVPT	450/750	2~61	2~61	2~61	4~14	4~14	4~14	4~10
KYJVPL	450/750	7~61	7~61	4~61	4~14	4~14	4~14	4~10
KYJVP2-22(A)	450/750	4~61	4~61	4~61	4~14	4~14	4~14	4~10
KYJVPT-22(A)	450/750	4~61	4~61	4~61	4~14	4~14	4~14	4~10
KYJVPL-22(A)	450/750	4~61	4~61	4~61	4~14	4~14	4~14	4~10

Main technical requirements

5.1 Conductor

Conductor construction and D.C.Resistance should be in accordance with table 3

5.2 Insulation

Insulated core can be identified with different colors and different numbers. The nominal thickness of insulation is 0.7mm. The thinnest point of insulation should be not less than 90%-0.1mm of nominal value. The Min. resistance of insulation should be in accordance with table 3.

5.3 Finished cable should withstand voltage withstanding test with AC 50Hz,3000V,5 minutes.

5.4 Sheath thickness, approximate overall diameter,approximate weight of finshed cable refer to table 4 and table 5.

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XLPE Insulated Control Cable

Construction Of Conductor

Table3

Nom. Cross-section mm²	Conductor construction		DC Resistance of conductor at 20℃ (Max.) Ω/km		Min Insulation resistance at 90℃ MΩ·km
	Category	No ./Nom. Dia of strand mm	Not tinned	Tinned	
0.75	1	1/0.97	24.5	24.8	1.2
0.75	2	7/0.37	24.5	24.8	1.2
0.75	3	24/0.20	26.0	26.7	1.2
1.0	1	1/1.13	18.1	18.2	1.1
1.0	2	7/0.43	18.1	18.2	1.1
1.0	3	32/0.20	19.5	20.0	1.1
1.5	1	1/1.38	12.1	12.2	0.96
1.5	2	7/0.52	12.1	12.2	0.96
1.5	3	30/0.25	13.3	13.7	0.96
2.5	1	1/1.78	7.41	7.56	0.78
2.5	2	7/0.68	7.41	7.56	0.78
2.5	3	50/0.25	7.98	8.21	0.78
4	1	1/2.25	4.61	4.70	0.67
4	2	7/0.85	4.61	4.70	0.67
6	1	1/2.76	3.08	3.11	0.56
6	2	7/1.04	3.08	3.11	0.56
10	2	7/1.35	1.83	1.84	0.52

Note: KYJVP should adopt category 2 conductor, KYJVR, KYJVRP should adopt category 3 conductor,other types should adopt category 1 conductor

KYJV 450/750V Copper Core XLPE Insulated And PVC Sheathed Control Cable

Table 4

CoresxNom. Cross-section mm²	Conductor category	Nom. thickness of sheath mm	Approx. OD mm	Approx. weight kg/km
2x0.75	1	1.2	7.7	63.4
2x1.0	1	1.5	8.1	71.9
2x1.5	1	1.5	8.6	85.8
2x2.5	1	1.5	9.4	111.4
2x4.0	1	1.5	10.3	148.1
2x6.0	1	1.5	12.0	210.9
3x0.75	1	1.5	8.1	75.5
3x1.0	1	1.5	8.5	86.4
3x1.5	1	1.5	9.0	104.8
3x2.5	1	1.5	9.9	139.8
3x4.0	1	1.5	11.5	205.9
3x6.0	1	1.5	12.6	272.5
4x0.75	1	1.5	8.8	91.1
4x1.0	1	1.5	9.1	103.4
4x1.5	1	1.5	9.8	128.7
4x2.5	1	1.5	11.4	188.1
4x4.0	1	1.5	12.5	256.5
4x6.0	1	1.5	13.7	342.6
5x0.75	1	1.5	9.5	103.0
5x1.0	1	1.5	9.9	118.6
5x1.5	1	1.5	11.2	161.8
5x2.5	1	1.5	12.3	217.1
5x4.0	1	1.5	13.6	299.7
5x6.0	1	1.5	14.9	404.5
6x0.75	1	1.5	10.2	120.1
6x1.0	1	1.5	11.3	153.4
6x1.5	1	1.5	12.0	188.6
6x2.5	1	1.5	13.3	255.3
6x4.0	1	1.5	14.7	355.3
6x6.0	1	1.7	16.2	480.7
7x0.75	1	1.5	10.2	126.4
7x1.0	1	1.5	11.3	161.7
7x1.5	1	1.5	12.0	201.1
7x2.5	1	1.5	13.3	275.1
7x4.0	1	1.5	14.7	387.1
7x6.0	1	1.7	16.2	528.2
8x0.75	1	1.5	11.6	159.2
8x1.0	1	1.5	12.1	183.5
8x1.5	1	1.5	12.9	228.9
8x2.5	1	1.5	14.3	314.8
8x4.0	1	1.7	15.8	442.8
8x6.0	1	1.7	17.5	606.3
10x0.75	1	1.5	13.3	193.3
10x1.0	1	1.5	13.9	223.7
10x1.5	1	1.5	14.9	280.5
10x2.5	1	1.7	16.6	387.9
10x4.0	1	1.7	18.8	563.3
10x6.0	1	1.7	21.0	771.3
12x0.75	1	1.5	13.7	214.4
12x1.0	1	1.5	14.3	249.7
12x1.5	1	1.7	15.4	316.5
12x2.5	1	1.7	17.1	440.4
12x4.0	1	1.7	19.4	645.3
12x6.0	1	1.7	21.6	887.1
14x0.75	1	1.5	14.4	240.8
14x1.0	1	1.7	15.0	281.6
14x1.5	1	1.7	16.2	358.8
14x2.5	1	1.7	18.0	501.8
14x4.0	1	1.7	18.8	563.3
14x6.0	1	1.7	22.7	1017.8
16x0.75	1	1.7	15.0	268.7
16x1.0	1	1.7	15.8	316.4
16x1.5	1	1.7	17.0	404.1
16x2.5	1	1.7	19.3	584.0
19x0.75	1	1.7	15.7	304.1
19x1.0	1	1.7	16.6	359.6
19x1.5	1	1.7	17.8	461.4
19x2.5	1	1.7	20.2	669.9
24x0.75	1	1.7	18.6	391.5
24x1.0	1	1.7	19.6	461.8
24x1.5	1	1.7	21.1	591.7
24x2.5	1	1.7	23.5	834.7
27x0.75	1	1.7	19.0	426.9
27x1.0	1	1.7	20.0	505.1
27x1.5	1	1.7	21.6	650.5
27x2.5	1	1.7	24.0	921.4

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XLPE Insulated Control Cable

KYJV 450/750V Copper Core XLPE Insulated And PVC Sheathed Control Cable Continue Table

CoresxNom. Cross-section mm²	Conductor category	Nom. thickness of sheath mm	Approx. OD mm	Approx. weight kg/km
30x0.75	1	1.7	19.6	464.0
30x1.0	1	1.7	20.7	550.6
30x1.5	1	1.7	22.4	711.6
30x2.5	1	1.7	24.9	1011.4

CoresxNom. Cross-section mm²	Conductor category	Nom. thickness of sheath mm	Approx. OD mm	Approx. weight kg/km
37x0.75	1	1.7	21.1	551.2
37x1.0	1	1.7	22.1	655.2
37x1.5	1	1.7	24.0	852.2
37x2.5	1	2.0	26.8	1219.7

KYJVP2 450/750V Copper Core XLPE Insulated And PVC Sheathed Control Cable Table 5

CoresxNom. Cross-section mm²	Conductor category	Nom. thickness of sheath mm	Approx. OD mm	Approx. weight kg/km	CoresxNom. Cross-section mm²	Conductor category	Nom. thickness of sheath mm	Approx. OD mm	Approx. weight kg/km
4x1.5	1	1.5	10.1	149.1	10x4.0	1	1.7	19.3	615.1
4x2.5	1	1.5	11.9	212.7	10x6.0	1	1.7	21.5	831.4
4x4.0	1	1.5	13.0	283.5	12x1.5	1	1.7	15.9	350.1
4x6.0	1	1.5	14.2	372.2	12x2.5	1	1.7	17.6	477.5
5x1.5	1	1.5	11.7	188.1	12x4.0	1	1.7	19.9	687.2
5x2.5	1	1.5	12.8	246.3	12x6.0	1	1.7	22.1	933.7
5x4.0	1	1.5	14.1	334.9	14x1.5	1	1.7	16.7	394.1
5x6.0	1	1.7	15.4	442.4	14x2.5	1	1.7	18.9	557.3
6x1.5	1	1.5	12.5	217.0	14x4.0	1	1.7	20.9	781.9
6x2.5	1	1.5	13.8	287.5	14x6.0	1	1.7	23.2	1067
6x4.0	1	1.5	14.9	389.6	16x1.5	1	1.7	17.5	443.2
6x6.0	1	1.7	16.7	521.9	16x2.5	1	1.7	19.8	628.7
7x1.5	1	1.5	12.5	226.7	19x1.5	1	1.7	18.7	516.4
7x2.5	1	1.5	13.8	303.9	19x2.5	1	1.7	20.7	713.8
7x4.0	1	1.5	14.9	416.9	24x1.5	1	1.7	21.6	637.6
7x6.0	1	1.7	16.7	563.6	24x2.5	1	1.7	24.2	885.8
8x1.5	1	1.5	13.4	256.3	27x1.5	1	1.7	22.1	697.4
8x2.5	1	1.7	15.0	346.9	27x2.5	1	1.7	24.5	973.5
8x4.0	1	1.7	16.3	476.4	30x1.5	1	1.7	22.9	760.3
8x6.0	1	1.7	18.0	643.2	30x2.5	1	2.0	25.4	1065.4
10x1.5	1	1.7	15.4	319.4	37x1.5	1	1.7	24.5	904.4
10x2.5	1	1.7	17.1	432.4	37x2.5	1	2.0	27.9	1314.1

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

Welding Cable

Application

The cables are suitable for welding machine as secondary earth wire with secondary side to-ground volatage not more than 200V AC and impulse voltage peak 400V DC, or for connecting electrode holders.

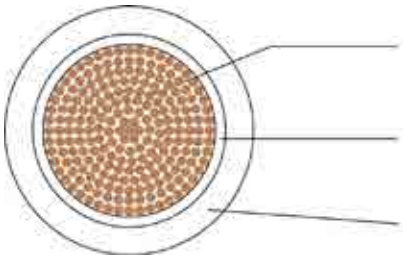
Continuous operating temperature ≤60℃。

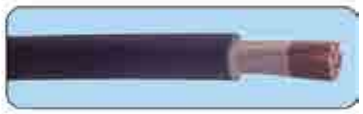
Standard:

IEC60245

Types, diagrams

Description	International type	Chinese type
Welding cable with Rubber compound sheath	H01N2-D (Common flexible) H01N2-E(Extra flexible)	60245 IEC 81 YH
Welding cable with Polychloroprene compound (PCP) or other equivalent synthetic elastomer sheath		60245 IEC 82 YHF





Main technical parameter

H01N2-D 60245 IEC 81 (YH)60245 IEC 82(YHF)

Nom. Area mm²	Max. Dia.of wire mm	Nom. Cover Thickness mm	Average O.D. mm		Maximum DC Resistance at 20℃Ω/km	
			Min.	Max.	Tinned copper	Untinned copper
10	0.21	2.0	7.7	9.7	1.95	1.91
16		2.0	8.8	11.0	1.24	1.21
25		2.0	10.1	12.7	0.795	0.780
35		2.0	11.4	14.2	0.565	0.554
50		2.2	13.2	16.5	0.393	0.386
70		2.4	15.3	19.2	0.277	0.272
95		2.6	17.1	21.4	0.210	0.206
120	0.51	2.8	19.2	24.0	0.164	0.161
150		3.0	21.1	26.4	0.132	0.129
185		3.2	23.1	28.9	0.108	0.106

H01N2-E 60245 IEC 81(YH) 60245 IEC 82 (YHF)

Nom. Area mm²	Max. Dia.of wire mm	Nom. Cover Thickness mm	Average O.D. mm		Maximum DC Resistance at 20℃Ω/km	
			Min.	Max.	Tinned copper	Untinned copper
10	0.21	1.2	6.2	7.8	1.95	1.91
16		1.2	7.3	9.1	1.24	1.21
25		1.2	8.6	10.8	0.795	0.780
35		1.2	9.8	12.3	0.565	0.554
50		1.5	11.9	14.8	0.393	0.386
70		1.5	13.6	17.0	0.277	0.272
95		1.8	15.6	19.5	0.210	0.206
120	0.51	1.8	17.2	21.6	0.164	0.161
150		1.8	18.8	23.5	0.132	0.129
185		1.8	20.4	25.5	0.108	0.106

GHCABLE

General Purpose Rubber Sheathed Cable

Rated voltage 450/750V and below rubber insulated cables

Application

The cables are suitable for use in household electrical appliances,tools,movable appliances and power distribution network for rated voltage 450/750V AC and below.

Continuous operating temperature：≤60℃。

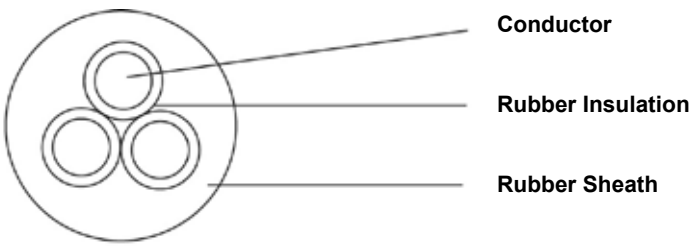
Standard:

IEC60245

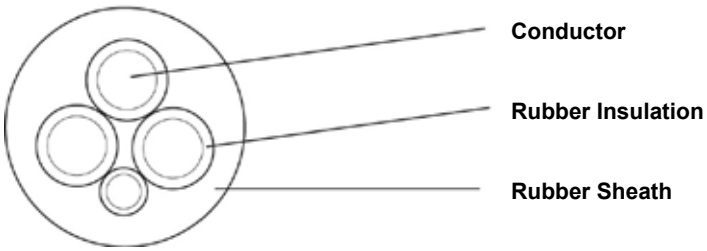
Types, diagrams

Description	International type	Chinese type
Heat resistant silicone rubber insulated cable		60245 IEC 03 YG
Middle-duty rubber sheathed flexible wire	H05RR-F	60245 IEC 53 YZ
Polychloroprene compound (PCP) or other equivalent synthetic elastomer sheathed flexible wire	H05RN-F	60245 IEC 57 YZW
Heavy-duty Polychloroprene compound (PCP) or other equivalent synthetic elastomer sheathed flexible wire	H07RN-F	60245 IEC 66 YCW
Heavy-duty rubber sheathed elevator cable		60245 IEC 74 YT
Polychloroprene compound (PCP) or other equivalent synthetic elastomer sheathed elevator cable		60245 IEC 75 YTF

Silicone cable(YG)



60245 IEC 53(YZ), 60245 IEC57(YZW), YZ, YZW, YZF



60245 IEC 66(YCW),YC,YCW

Main technical parameter

Heat resistant silicone rubber insulated cable 60245 IEC 03(YG)

Nom. Area mm²	Max. Dia.of wire mm	Nom. Cover Thickness mm	Average O.D. mm		Maximum DC Resistance at 20℃Ω/km	
			Min.	Max.	Tinned copper	Untinned copper
0.5	0.21	0.6	2.6	3.3	40.1	39.0
0.75	0.21	0.6	2.8	3.5	26.7	26.0
1	0.21	0.6	2.9	3.7	20.0	19.5
1.5	0.26	0.7	3.4	4.2	13.7	13.3
2.5	0.26	0.8	4.0	5.0	8.21	7.98
4	0.31	0.8	4.5	5.6	5.09	4.95
6	0.31	0.8	5.0	6.2	3.39	3.30
10	0.41	1.0	6.2	7.8	1.95	1.91
16	0.41	1.0	7.3	9.1	1.24	1.21

Middle-Duty Rubber Sheathed Flexible Wire 60245 IEC 53(YZ)
Polychloroprene Compound (PCP) Or Other Equivalent Synthetic Elastomer Sheathed Flexible Wire 60245 IEC 57(YZW)

H05RR-F H05RN-F 300/500V

Nom. Area mm²	Max. Dia.of wire mm	Nom. Cover Thickness mm	Average O.D. mm		Maximum DC Resistance at 20℃Ω/km	
			Min.	Max.	Tinned copper	Untinned copper
2*0.75	0.6	0.8	5.7	7.4	26.7	26.0
2*1	0.6	0.9	6.1	8.0	20.0	19.5
2*1.5	0.8	1.0	7.6	9.8	13.7	13.3
2*2.5	0.9	1.1	9.0	11.6	8.21	7.98
3*0.75	0.6	0.9	6.2	8.1	26.7	26.0
3*1	0.6	0.9	6.5	8.5	20.0	19.5
3*1.5	0.8	1.0	8.0	10.4	13.7	13.3
3*2.5	0.9	1.1	9.6	12.4	8.21	7.98
4*0.75	0.6	0.9	6.8	8.8	26.7	26.0
4*1	0.6	0.9	7.1	9.3	20.0	19.5
4*1.5	0.8	1.1	9.0	11.6	13.7	13.3
4*2.5	0.9	1.2	10.7	13.8	8.21	7.98
5*0.75	0.6	1.0	7.6	9.9	26.7	26.0
5*1	0.6	1.0	8.0	10.3	20.0	19.5
5*1.5	0.8	1.1	9.8	12.7	13.7	13.3
5*2.5	0.9	1.3	11.9	15.3	8.21	7.98

Heavy-Duty Polychloroprene Compound (PCP) Or Other Equivalent Synthetic Elastomer Sheathed Flexible Wire 60245 IEC 66(YCW)

H07RN-F

Nom. Area mm²	Nom. Insulation Thickness mm	Nom. Sheath Thickness mm			Average O.D. mm	
		Single layer	Double layer		Min.	Max.
			Inner	Outer		
1*1.5	0.8	1.4	-	-	5.7	7.1
1*2.5	0.9	1.4	-	-	6.3	7.9
1*4	1.0	1.5	-	-	7.2	9.0

GHCABLE

Heavy-Duty Polychloroprene Compound (PCP) Or Other Equivalent Synthetic Elastomer Sheathed Flexible Wire 60245 IEC 66(YCW)

H07RN-F

Continue Table

Nom. Area mm²	Nom. Insulation Thickness mm	Nom. Sheath Thickness mm			Average O.D. mm	
		Single layer	Double layer		Min.	Max.
			Inner	Outer		
1*6	1.0	1.6	-	-	7.9	9.8
1*10	1.2	1.8	-	-	9.5	11.9
116	1.2	1.9	-	-	10.8	13.4
1*25	1.4	2.0	-	-	12.7	15.8
1*35	1.4	2.2	-	-	14.3	17.9
1*50	1.6	2.4	-	-	16.5	20.6
1*70	1.6	2.6	-	-	18.6	23.3
1*95	1.8	2.8	-	-	20.8	26.0
1*120	1.8	3.0	-	-	22.8	28.6
1*150	2.0	3.2	-	-	25.2	31.4
1*185	2.2	3.4	-	-	27.6	34.4
1*240	2.4	3.5	-	-	30.6	38.3
1*300	2.6	3.6	-	-	33.5	41.9
1*400	2.8	3.8	-	-	37.4	46.8
2*1	0.8	1.3	-	-	7.7	10.0
2*1.5	0.8	1.5	-	-	8.5	11.0
2*2.5	0.9	1.7	-	-	10.2	13.1
2*4	1.0	1.8	-	-	11.8	15.1
2*6	1.0	2.0	-	-	13.1	16.8
2*10	1.2	3.1	-	-	17.7	22.6
2*16	1.2	3.3	1.3	2.0	20.2	25.7
2*25	1.4	3.6	1.4	2.2	24.3	30.7
3*1	0.8	1.4	-	-	8.3	10.7
3*x1.5	0.8	1.6	-	-	9.2	11.9
3*2.5	0.9	1.8	-	-	10.9	14.0
3*4	1.0	1.9	-	-	12.7	16.2
3*x6	1.0	2.1	-	-	14.1	18.0
3*10	1.2	3.3	-	-	19.1	24.2
3*16	1.2	3.5	1.4	2.1	21.8	27.6
3*25	1.4	3.8	1.5	2.3	26.1	33.0
3*35	1.4	4.1	1.6	2.5	29.3	37.1
3*50	1.6	4.5	1.8	2.7	34.1	42.9
3*70	1.6	4.8	1.9	2.9	38.4	48.3
3*95	1.8	5.3	2.1	3.2	43.3	54.0
4*1	0.8	1.5	-	-	9.2	11.9
4*1.5	0.8	1.7	-	-	10.2	13.1
4*2.5	0.9	1.9	-	-	12.1	15.5
4*4	1.0	2.0	-	-	14.0	17.9
4*6	1.0	2.3	-	-	15.7	20.0
4*10	1.2	3.4	-	-	20.9	26.5
4*16	1.2	3.6	1.4	2.2	23.8	30.1
4*25	1.4	4.1	1.6	2.5	28.9	36.6

Heavy-Duty Polychloroprene Compound (PCP) Or Other Equivalent Synthetic Elastomer Sheathed Flexible Wire 60245 IEC 66(YCW)

H07RN-F

Continue Table

Nom. Area mm²	Nom. Insulation Thickness mm	Nom. Sheath Thickness mm			Average O.D. mm	
		Single layer	Double layer		Min.	Max.
			Inner	Outer		
4*35	1.4	4.4	1.7	2.7	32.5	41.1
4*50	1.6	4.8	1.9	2.9	37.7	47.5
4*70	1.6	5.2	2.0	3.2	42.7	54.0
4*95	1.8	5.9	2.3	3.6	48.4	61.0
4*120	1.8	6.0	2.4	3.6	53.0	66.0
4*150	2.0	6.5	2.6	3.9	58.0	73.0
5*1	0.8	1.6	-	-	10.2	13.1
5*1.5	0.8	1.8	-	-	11.2	14.4
5*2.5	0.9	2.0	-	-	13.3	17.0
5*4	1.0	2.2	-	-	15.6	19.9
5*6	1.0	2.5	-	-	17.5	22.2
5*10	1.2	3.6	-	-	22.9	29.1
5*15	1.2	3.9	-	-	26.4	33.3
5*25	1.4	4.4	-	-	32.0	40.4

Heavy-duty rubber sheathed elevator cable 60245 IEC 74(YT)
Polychloroprene compound (PCP) or other equivalent synthetic elastomer sheathed elevator cable 60245 IEC 75(YTF)

H07RN-F

Continue Table

Nom. Area mm²	Nom. Insulation Thickness mm	Nom. Sheath Thickness mm	Maximum DC Resistance at 20℃Ω/km	
			Tinned copper	Untinned copper
6*0.75	0.8	1.5	26.7	26.0
6*1	0.8	1.5	20.0	19.5
9*0.75	0.8	1.5	26.7	26.0
9*1	0.8	1.5	20.0	19.5
12*0.75	0.8	1.5	26.7	26.0
12*1	0.8	1.5	20.0	19.5
18*0.75	0.8	1.5	26.7	26.0
18*1	0.8	1.5	20.0	19.5
24*0.75	0.8	1.5	26.7	26.0
24*1	0.8	1.5	20.0	19.5
30*0.75	0.8	1.5	26.7	26.0
30*1	0.8	1.5	20.0	19.5

GHCABLE

Bare Stranded Conductor

Application

The cables are designed for aerial power transmission lines .

Manufacturing standards

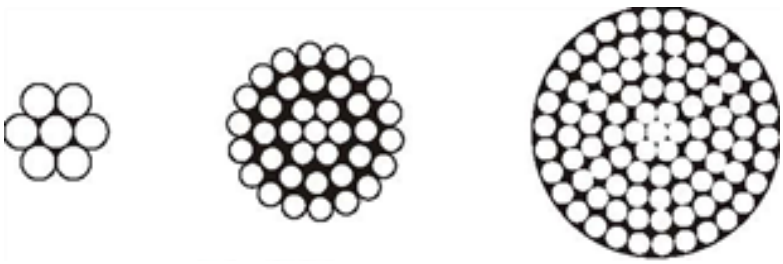
ASTM BS DIN IEC GB AS/NZS etc.

Specification

Description	Short name	Chinese type
All aluminium conductor	AAC	JL
Aluminium conductor steel reinforced	ACSR	JL/G1A
All aluminium alloy conductor	AAAC	JLHA1 JLHA2
Aluminium alloy conductor steel reinforced	AACSR	JLHA1/G1A
Aluminium conductor alloy reinforced	ACAR	JL/LHA1
All aluminium clad steel conductor		JLB1A JLB1B
Aluminium conductor aluminium clad steel reinforced	ACSR/AW(AS)	JL/LB1A
Aluminium alloy conductor aluminium clad steel reinforced	AACSR/AW(AS)	JLHA1/LB1A
Bare copper stranded conductor (Hard Drawn)	BCC	TJ
Anti-corrosive stranded conductor	Greased conductor	JL/G1AF

AAC AAAC BCC AL Clad Steel Conductor

ACSR ACAR AACSR ACSR(AW) AACSR(AW)



Greased conductor

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

Main Technical Parameter

AAC-ASTM Standard

Code name	Total Area		Stranding and Wire diameter	Approximate Overall Diameter	Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃
	AWG or MCM	mm^2	mm	mm	kg/km	daN	Ω/km
Peachbell	6	13.29	7/1.554	4.67	37	249	2.1692
Rose	4	21.16	7/1.961	5.89	58	396	1.3624
Iris	2	33.61	7/2.474	7.42	93	597	0.8577
Pansy	1	42.39	7/2.776	8.33	117	732	0.6801
Poppy	1/0	53.48	7/3.119	9.36	147	873	0.5390
Aster	2/0	67.42	7/3.503	10.51	186	1100	0.4276
Phlox	3/0	85.03	7/3.932	11.80	234	1347	0.3390
Oxlip	4/0	107.23	7/4.417	13.26	296	1698	0.2688
Valerian	250	126.71	19/2.913	14.57	349	2062	0.2275
Sneezewort	250	126.71	7/4.80	14.4	349	2007	0.2275
Laurel	266.8	135.16	19/3.01	15.05	373	2200	0.2133
Daisy	266.8	135.16	7/4.96	14.9	373	2141	0.2133
Peony	300	152.0	19/3.193	15.97	419	2403	0.1896
Tulip	336.4	170.45	19/3.381	16.91	470	2695	0.1691
Daffodil	350	177.35	19/3.447	17.24	489	2804	0.1625
Canna	397.5	201.42	19/3.673	18.36	555	3184	0.1431
Goldentuft	450	228	19/3.909	19.55	629	3499	0.1264
Syringa	477	241.68	37/2.882	20.19	666	3849	0.1193
Cosmos	477	241.68	19/4.023	20.12	666	3708	0.1193
Hyacinth	500	253.35	37/2.951	20.65	698	4035	0.1138
Zinnia	500	253.35	19/4.12	20.6	698	3888	0.1138
Dahlia	556.5	282	19/4.346	21.73	777	4327	0.1022
Mlstletoe	556.5	282	37/3.114	21.79	777	4362	0.1022
Meadowsweet	600	304	37/3.233	22.63	838	4703	0.0948
Orchid	636	322.25	37/3.33	23.31	838	4985	0.0894
Flag	700	354.71	61/2.72	24.48	978	5146	0.0813
Verbena	700	354.71	37/3.493	24.45	978	5487	0.0813
Nasturtium	715.5	362.58	61/2.75	24.76	1000	5874	0.0795
Violet	715.5	362.58	37/3.533	24.74	1000	5609	0.0795
Cattail	750	380	61/2.817	25.35	1048	5985	0.0759
Petunia	750	380	37/3.617	25.32	1048	5875	0.0759
Lilac	795	402.84	61/2.90	26.06	1111	6345	0.0715
Arbutus	795	402.84	37/3.724	26.05	1111	6232	0.0715
Snapdragon	900	456.06	61/3.086	27.78	1257	6978	0.0632
Cockscomb	900	456.06	37/3.962	27.73	1257	6848	0.0632
Goldenrod	954	483.42	61/3.177	28.6	1333	7896	0.0596
Magnolia	954	483.42	37/4.079	28.55	1333	7258	0.0596
Camelia	1000	506.71	61/3.251	29.36	1397	7753	0.0569
Hawkweed	1000	506.71	37/4.176	29.23	1397	7608	0.0569
Larkspur	1033.5	523.68	61/3.307	29.76	1444	8012	0.0550
Bluebell	1033.5	523.68	37/4.244	29.72	1444	7863	0.0550
Marigold	1113	563.93	61/3.432	30.89	1555	8628	0.0511
Hawthorn	1192.5	604.26	61/3.551	31.05	1666	9245	0.0477

GHCABLE

AAC-ASTM Standard

Continue Table

Code name	Total Area		Stranding and Wire diameter	Approximate Overall Diameter	Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃
	AWG or MCM	mm²	mm	mm	kg/km	daN	Ω/km
Narcissus	1272	644.51	61/3.668	33.02	1777	9861	0.0477
Colunbine	1351.5	684.84	61/3.78	34.01	1888	10478	0.0421
Carnation	1431	725.10	61/3.89	35.03	1999	10768	0.0398
Gladiolus	1510.5	765.35	61/4.00	35.09	2110	11365	0.0376
Coreopsis	1590	805.68	61/4.099	36.51	2221	11964	0.0358
Jessamine	1750	886.71	61/4.302	38.73	2445	13168	0.0325
Cowslip	2000	1013.42	91/3.76	41.40	2791	15300	0.0285
Lupine	2500	1266.67	91/4.21	46.30	3524	18700	0.0230
Trillium	3000	1520.13	127/3.90	50.75	4232	22500	0.0192
Blue Bonnet	3500	1773.50	127/4.21	54.80	4985	26200	0.0166

AAC-BS Standard

Code name	Total Area		Stranding and Wire diameter	Approximate Overall Diameter	Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃
	mm²	mm	mm²	mm	kg/km	daN	Ω/km
Midge	22	7/2.06	23.33	6.18	64	399	1.227
Aphis	25	7/3.35	26.40	7.2	73	411	1.081
Ghat	25	7/2.21	26.8	6.6	73	459	1.066
Weevil	30	3/3.33	31.6	7.9	86	486	0.9082
Mosquito	35	7/2.59	370.	7.9	101	603	0.7762
Ladybind	40	7/2.79	42.8	8.4	117	687	0.6689
Ant	50	7/3.10	52.83	9.30	145	828	0.5419
Fly	60	7/3.40	63.55	10.20	174	990	0.4505
Bluebottle	70	7/3.66	73.7	11.0	202	1134	0.3881
Earwing	75	7/3.78	78.5	11.4	215	1194	0.3644
Grasshopper	80	7/3.91	84.1	11.7	230	1278	0.3406
Clegg	90	7/4.17	95.6	12.5	262	1453	0.2994
Wasp	100	7/4.39	106.0	13.17	290	1600	0.2702
Beetle	100	19/2.67	106.0	13.4	293	1742	0.2704
Bee	125	7/4.90	132.0	14.7	361	1994	0.2169
Cricket	150	7/5.36	157.9	16.1	432	2385	0.1818
Hornet	150	19/3.25	157.6	16.25	434	2570	0.1825
Caterpillar	175	19/3.53	186	17.7	512	2863	0.1547
Chafer	200	19/3.78	213.2	18.90	587	3240	0.1349
Spider	225	19/3.99	236.9	20.0	652	3601	0.1211
Cockroach	250	19/4.22	265.7	21.10	731	4040	0.1083
Butterfly	300	19/4.65	322.7	23.25	888	4875	0.08916
Moth	350	19/5.00	373.2	25.0	1027	5637	0.07711
Drone	350	37/3.58	373.3	25.1	1029	5745	0.07741
Locust	400	19/5.36	428.5	26.8	1179	6473	0.06710
Centipede	400	37/3.78	415.5	26.46	1145	6310	0.06944
Maybug	450	37/4.09	486.9	28.6	1342	7401	0.05931
Scordion	500	37/4.27	529.5	29.9	1460	7998	0.5441
Cicada	600	37/4.65	628.6	32.6	1733	9495	0.04588
Tarantula	750	37/5.23	794.6	36.6	2191	12010	0.03627

AAC-DIN Standard

Area		Stranding and Wire diameter	Approximate Overall Diameter	Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃
Nominal [mm²]	Actual [mm²]	mm	mm	kg/km	daN	Ω/km
16	15.89	7/1.71	5.1	44	290	1.8018
25	24.25	7/2.10	6.3	67	425	1.1808
35	34.36	7/2.50	7.5	94	585	0.8332
50	49.48	7/3.00	9.0	135	810	0.5786
50	48.36	19/1.80	9.0	133	860	0.5950
70	65.82	19/2.10	10.5	181	1150	0.4371
95	93.27	19/2.50	12.5	256	1595	0.3084
120	117.00	19/2.80	14.0	322	1910	0.2459
150	147.10	37/2.25	15.2	406	2570	0.1960
185	181.60	37/2.50	17.5	501	3105	0.1587
240	242.54	61/2.25	20.2	670	4015	0.1191
300	299.43	61/2.50	22.5	827	4850	0.09650
400	400.14	61/2.89	26.0	1105	6190	0.07221
500	499.83	61/3.23	29.1	1381	7600	0.05781
625	626.20	91/2.96	32.6	1733	9690	0.04625
800	802.10	91/3.35	36.8	2219	12055	0.03611
1000	999.71	91/3.74	41.1	2766	14845	0.02897

AAC-DIN Standard

Code name	Area	Number of wires	Diameter		Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃
			Wire	Cond.			
	mm²		mm	mm	kg/km	daN	Ω/km
10	10	7	1.35	4.05	27.4	1.95	2.8633
16	16	7	1.71	5.12	43.8	3.04	1.7896
25	25	7	2.13	6.40	68.4	4.50	1.1453
40	40	7	2.70	8.09	109.4	6.80	0.7158
63	63	7	3.39	10.2	172.3	10.39	0.4545
100	100	19	2.59	12.9	274.8	17.00	0.2877
125	125	19	2.89	14.5	343.6	21.25	0.2302
160	160	19	3.27	16.4	439.8	26.40	0.1798
200	200	19	3.66	18.3	549.7	32.00	0.1439
250	250	19	4.09	20.5	687.1	40.00	0.1151
315	315	37	3.29	23.0	867.9	51.97	0.0916
400	400	37	3.71	26.0	1102.0	64.00	0.0721
450	450	37	3.94	27.5	1239.8	72.00	0.0641
600	600	37	4.15	29.0	1377.6	80.00	0.0577
560	560	37	4.39	30.7	1542.9	89.60	0.0515
630	630	61	3.63	32.6	1738.3	100.80	0.0458
710	710	61	3.85	34.6	1959.1	113.60	0.0407
800	800	61	4.09	36.8	2207.4	128.00	0.0361
900	900	61	4.33	39.0	2483.3	144.00	0.0321
1000	1000	61	4.57	41.1	2759.2	160.00	0.0289
1120	1120	91	3.96	43.5	3093.5	179.20	0.0258
1250	1250	91	4.18	46.0	3452.6	200.00	0.0231
1400	1400	91	4.43	48.7	3866.9	224.00	0.0207
1500	1500	91	4.58	50.4	4143.1	240.00	0.0193

GHCABLE

AAC(JL)-GB Standard

Code.	Area /mm²	No.of stranding	Diameter		Linear Mass kg/km	Nominal Breaking Load kN	Maximum DC Resistance at 20℃
			Wire	Cond.			
35	34.36	7	2.50	7.50	94.0	6.01	0.8333
50	49.48	7	3000	9.00	135.3	8.41	0.5787
70	71.25	7	3.60	10.8	194.9	11.40	0.4019
95	95.14	7	4.16	12.5	260.2	15.22	0.3010
120	121.21	19	2.85	14.3	333.2	20.61	0.2374
150	148.07	19	3.15	15.8	407.0	24.43	0.1943
185	182.80	19	3.50	17.5	502.4	30.16	0.1574
210	209.85	19	3.75	18.8	576.8	33.58	0.1371
240	238.76	37	4.00	20.0	656.3	38.20	0.1205
300	297.57	37	3.20	22.4	819.8	49.10	0.0969
500	502.90		4.16	29.1	1385.5	80.46	0.0573

ACSR-ASTM Standard

Code name	Area				Stranding and Wire diameter		Approximate Overall Diameter	Linear Mass			Nominal Breaking Load	Maximum DC Resistance at 20℃
	Aluminium		Steel	Total	AL	St		AL	St	Total		
	AWG or MCM	mm²	mm²	mm²	mm	mm	mm	kg/km	kg/km	kg/km	daN	Ω/km
Turkey	6	13.29	2.19	15.48	6/1.68	1/1.68	5.04	37	17	54	524	2.1586
Swan	4	21.16	3.55	24.71	6/2.12	1/2.12	6.36	58.0	27	85	832	1.3557
Swanate	4	21.16	5.35	26.51	7/1.96	1/2.61	6.53	58.0	42	100	1053	1.3557
Sparrow	2	33.61	5.61	39.22	6/2.67	1/2.67	8.01	92.0	44	136	1270	0.8535
Sparate	2	33.61	8.52	42.13	7/2.47	1/3.30	8.24	92.0	67	159	1611	0.8535
Robin	1	42.39	7.10	49.49	6/3.00	1/3.00	9.00	116	55	171	1585	0.6767
Raven	0	53.48	8.90	62.38	6/3.37	1/3.37	10.11	147	69	216	1932	0.5364
Quail	00	67.42	11.23	78.65	6/3.78	1/3.78	11.34	185	88	273	2362	0.4255
Pigeon	000	85.03	14.19	99.22	6/4.25	1/4.25	12.75	233	110	343	2941	0.3373
Penguin	0000	107.23	17.87	125.10	6/4.77	1/4.77	14.31	294	139	433	3706	0.2675
Waxwing	266.8	135.16	7.48	142.64	18/3.09	1/3.09	15.45	373	58	431	3027	0.2133
Partridge	266.8	135.16	22.00	157.16	26/2.57	7/2.00	16.28	374	172	546	5029	0.2143
Ostrich	300	152.00	24.71	176.71	26/2.73	7/2.12	17.28	421	193	614	5652	0.1906
Merlin	336.4	170.45	9.48	179.93	18/3.47	1/3.47	17.35	470	74	544	3823	0.1691
Linnet	336.4	170.45	27.81	198.26	26/2.89	7/2.25	18.31	472	217	689	6271	0.1699
Oriole	336.4	170.45	39.61	210.26	30/2.69	7/2.69	18.83	473	311	784	7745	0.1704
Chickadee	397.5	201.42	11.16	212.58	18/3.77	1/3.77	18.85	555	87	642	4399	0.1431
Brant	397.5	201.42	26.13	227.55	24/3.27	7/2.18	19.61	558	204	762	6469	0.1438
Ibis	397.5	201.42	32.77	234.19	26/3.14	7/2.44	19.88	558	256	814	7211	0.1438
Lark	397.5	201.42	46.97	248.39	30/2.92	7/2.92	20.44	560	367	927	8869	0.1442
Pelican	477	241.68	13.42	255.10	18/4.14	1/4.14	20.70	666	105	771	5216	0.1193
Flicker	477	241.68	31.29	272.97	24/3.58	7/2.39	21.49	670	245	915	7666	0.1199
Hawk	477	241.68	39.42	281.10	26/3.44	7/2.67	21.79	670	308	978	8665	0.1199
Hen	477	241.68	56.39	298.07	30/3.20	7/3.20	22.40	671	441	1112	10534	0.1201
Osprey	556.5	282.00	15.68	297.68	18/4.47	1/4.47	22.35	777	122	899	6088	0.1022
Parackeet	556.5	282.00	36.58	318.58	24/3.87	7/2.58	23.22	781	286	1067	8822	0.1027
Dove	556.5	282.00	45.94	327.94	26/3.72	7/2.89	23.55	781	359	1140	10103	0.1027

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ACSR-ASTM Standard

Continue Table

Code name	Area				Stranding and Wire diameter		Approximate Overall Diameter	Linear Mass			Nominal Breaking Load	Maximum DC Resistance at 20℃
	Aluminium		Steel	Total	AL	St		AL	St	Total		
	AWG or MCM	mm²	mm²	mm²	mm	mm	mm	kg/km	kg/km	kg/km	daN	Ω/km
Eagle	556.5	282.00	65.81	347.81	30/3.46	7/3.46	24.21	783	515	1298	12292	0.1030
Peacock	605	306.58	39.74	346.32	24/4.03	7/2.69	24.20	849	311	1160	9588	0.0945
Squab	605	306.58	49.94	356.52	26/3.87	7/3.01	24.51	850	390	1240	10841	0.0945
Wood Duck	605	306.58	71.55	378.13	30/3.16	7/3.61	25.25	851	560	1411	12884	0.0947
Teal	605	306.58	69.87	376.45	30/3.61	9/2.16	25.24	851	548	1399	13359	0.0947
Kingbird	636	322.26	17.90	340.16	18/4.78	1/4.78	23.88	889	139	1028	6956	0.08945
Rook	636	322.26	41.61	364.07	24/4.14	7/2.76	24.84	893	326	1219	10083	0.08989
Grosbeak	636	322.26	52.45	374.71	26/3.97	7/3.09	25.15	893	409	1302	11180	0.08989
Scoter	636	322.26	75.22	397.48	30/3.70	7/3.70	25.88	895	589	1484	13544	0.09011
Egret	636	322.26	73.55	395.81	30/3.70	19/2.22	25.90	894	576	1470	14055	0.09011
Swift	636	322.26	8.96	331.22	36/3.38	1/3.38	23.62	888	70	958	6052	0.08945
Flamingo	666.6	337.74	43.81	381.55	24/4.23	7/2.82	25.40	936	342	1278	10566	0.08577
Gannet	666.6	337.74	55.03	392.77	26/4.07	7/3.16	25.76	936	429	1365	11733	0.08577
Stilt	715.5	362.58	46.97	409.55	24/4.39	7/2.92	26.31	1005	367	1372	11335	0.07989
Starling	715.5	362.58	59.03	421.61	26/4.21	7/3.28	26.68	1005	461	1466	12591	0.07989
Redwing	715.5	362.58	82.58	445.16	30/3.92	19/2.35	27.43	1006	647	1653	15394	0.08009
Tern	795	402.84.	27.87	430.71	45/3.38	7/2.25	27.03	1116	217	1666	9737	0.07191
Condor	795	402.84	52.19	455.03	54/3.08	7/3.08	27.72	1116	408	1524	12445	0.07911
Cuckoo	795	402.84	52.19	455.03	24/4.62	7/3.08	27.74	1116	408	1522	12394	0.07191

ACSR-BS Standard

Code name	Nominal Aluminium Area	Stranding and wire diameter mm		Sectional area of aluminium	Total Sectional area	Approx. Overall Diameter	Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃	Final Modulusof elasticity	Coefficient of linear expansion
	mm²	AL	St	mm²	mm²	mm	kg/km	daN	/km	hhar	/℃
Mole	10	6/1.50	1/1.50	10.62	12.39	4.50	43	414	2.706	7900	$19.1x10^{-8}$
Squirrel	20	6/2.11	1/2.11	20.94	24.43	6.33	85	788	1.368	7900	$19.1x10^{-8}$
Gopher	25	6/2.36	1/2.36	26.24	30.62	7.08	106	961	1.093	7900	$19.1x10^{-8}$
Weasel	30	6/2.59	1/2.59	31.61	36.88	7.77	128	1146	0.9077	7900	$19.1x10^{-8}$
Fox	35	6/2.79	1/2.79	36.66	42.77	8.37	149	1320	0.7822	7900	$19.1x10^{-8}$
Ferret	40	6/3.00	1/3.00	42.41	49.48	9.00	172	1520	0.6766	7900	$19.1x10^{-8}$
Rabbit	50	6/3.35	1/3.35	52.88	61.70	10.05	214	1835	0.5426	7900	$19.1x10^{-8}$
Mink	60	6/3.66	1/3.66	63.18	73.71	10.98	255	2180	0.4545	7900	$19.1x10^{-8}$
Skunk	60	12/2.59	7/2.59	63.27	100.30	12.95	465	5300	0.4567	10500	$15.3x10^{-8}$
Beaver	70	6/3.99	1/3.99	74.82	87.29	11.97	302	2570	0.3825	7900	$19.1x10^{-8}$
Horse	70	12/2.79	7/2.79	73.37	116.2	13.95	538	6120	0.3936	10500	$19.1x10^{-8}$
Racoon	75	6/4.10	1/4.10	79.20	92.4	12.30	320	2720	0.3622	7900	$15.3x10^{-8}$
Otter	80	6/4.22	1/4.22	83.88	97.86	13.98	339	2880	0.3419	7900	$19.1x10^{-8}$
Cat	90	6/4.50	1/4.50	95.40	111.30	15.90	386	3270	0.3007	7900	$19.1x10^{-8}$
Hare	100	6/4.72	1/4.72	105.0	122.50	17.50	425	3600	0.2733	7900	$19.1x10^{-8}$
Dog	100	6/4.72	7/1.57	105.0	118.5	14.15	394	3270	0.2733	7500	$19.8x10^{-8}$
Hyena	100	7/4.39	7/1.93	105.8	126.2	14.57	450	4090	0.2712	7500	$19.8x10^{-8}$
Leoperd	125	8/5.28	7/1.75	131.3	148.1	15.81	492	4070	0.2184	7500	$19.8x10^{-8}$

GHCABLE

ACSR-BS Standard

Code name	Nominal Aluminium Area	Stranding and wire diameter mm		Sectional area of aluminium	Total Sectional area	Approx. Overall Diameter	Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃	Final Modulusof elasticity	Coefficient of linear expansion
	mm^2	AL	St	mm^2	mm^2	mm	kg/km	daN	/km	hhar	/℃
Coyotte	125	26/2.54	7/1.91	132.1	152.2	15.89	522	4640	0.2187	8500	$17x10^{-8}$
Congar	125	18/3.05	1/3.05	130.3	137.5	15.25	419	2980	0.2189	6600	$21.2x10^{-8}$
Tiger	125	30/2.36	7/2.36	131.1	161.7	16.52	602	5800	0.2202	8000	$17.8x10^{-8}$
Dingo	150	18/3.35	1/3.35	158.7	167.5	16.75	506	3570	0.1815	6600	$21.2x10^{-8}$
Wolf	150	30/2.59	7/2.59	158.1	194.9	18.13	726	6920	0.1828	8000	$17.8x10^{-8}$
Caracal	175	18/3.81	1/3.61	184.6	194.5	18.05	587	4110	0.1563	6600	$21.2x10^{-8}$
Lynx	175	30/2.79	7/2.79	183.4	226.2	19.53	842	7980	0.1576	8000	$17.8x10^{-8}$
Jaguar	200	18/3.86	1/3.86	210.6	222.3	19.30	671	4655	0.1367	6600	$21.2x10^{-8}$
Panther	200	30/3.00	7/3.00	212.1	261.5	21.00	974	9225	0.1363	8000	$17.8x10^{-8}$
Lion	225	30/3.18	7/3.18	236.5	294.2	22.26	1095	10060	0.1212	8000	$17.8x10^{-8}$
Bear	250	30/3.35	7/3.35	264.0	325.6	23.45	1213	11110	0.1093	8000	$17.8x10^{-8}$
Goat	300	30/3.71	7/3.71	324.3	400.0	25.97	1489	13570	0.08910	8000	$17.8x10^{-8}$
Sheep	350	30/3.99	7/3.99	374.1	461.4	27.93	1718	15590	0.07704	8000	$17.8x10^{-8}$
Antilope	350	54/2.97	7/2.97	373.1	421.5	26.73	1411	11820	0.07727	6900	$19.3x10^{-8}$
Bison	350	54/3.00	7/3.00	381.8	431.3	27.00	1444	12090	0.07573	6900	$19.3x10^{-8}$
Deer	400	30/4.27	7/4.27	429.3	529.5	28.89	1971	17850	0.0674	8000	$17.8x10^{-8}$
Zebra	400	54/3.18	7/3.18	428.9	484.5	28.62	1621	13190	0.0674	6900	$19.3x10^{-8}$
Elk	450	30/4.50	7/4.50	477.0	588.3	31.50	2190	19820	0.06056	8000	$17.8x10^{-8}$
Camel	450	54/3.35	7/3.35	475.2	536.0	30.15	1797	14570	0.06073	6900	$19.3x10^{-8}$
Moose	500	54/3.53	7/3.53	528.7	597.2	31.77	1999	16110	0.05470	6900	$19.3x10^{-8}$
Finch	500	54/3.65	19/2.29	564.7	642.9	33.35	2243	18070	0.0512	6800	$18.3x10^{-8}$

ACSR –AS/NZS Standard

Code name	Stranding and wire diameter mm		Nominal Breaking Load	Maximum DC Resistance at 20℃
	AL	St	kN	/km
Almond	6/2.50	1/2.50	10.5	0.975
Apricot	6/2.75	1/2.75	12.6	0.805
Apple	6/3.00	1/3.00	14.9	0.677
Banana	6/3.75	1/3.75	22.7	0.433
Cherry	6/4.50	7/1.60	33.4	0.271
Grape	30/2.50	7/2.50	63.5	0.196
Lemon	30/3.00	7/3.00	90.4	0.136
Lychee	30/3.25	7/3.25	105	0.116
Lime	30/3.50	7/3.50	122	0.100
Mango	54/3.00	7/3.00	119	0.0758
Orange	54/3.25	7/3.25	137	0.0646
Olive	54/3.50	7/3.50	159	0.0557
Pawpaw	54/3.75	19/2.25	178	0.0486
Quince	3/1.75	4/1.75	12.7	3.25
Raisin	3/2.50	4/2.50	24.4	1.59
Sultana	4/3.00	3/3.00	28.3	0.897
Walnut	4/3.75	3/3.75	43.9	0.573

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

ACSR-DIN Standard

Area				Stranding andWire diameter mm		Overall Diameter	Linear Mass			Nominal Breaking Load	Maximum DC Resistance at 20℃
Nominal	Actual						AL	St	Total		
AL St mm²	AL mm²	St mm²	Total mm	AL	St	mm	kg/km	kg/km	kg/km	daN	Ω/km
16/2.5	15.3	2.5	17.8	6/1.80	1/1.80	5.4	42	20	62	595	1.8780
25/4.0	23.9	4.0	27.8	6/2.25	1/2.25	6.8	65	32	97	920	1.2002
35/6.0	34.3	5.7	40.0	6/2.70	1/2.70	8.1	94	46	140	1265	0.8352
44/32.0	44.0	31.7	75.7	14/2.00	7/2.40	11.2	122	250	372	4500	0.6573
50/8.0	48.3	8.0	56.3	6/3.20	1/3.20	9.6	132	64	196	1710	0.5946
50/30	51.2	29.8	81.0	12/2.33	7/2.33	11.7	141	237	378	4380	0.5643
70/12	69.9	11.4	81.3	26/1.85	7/1.44	11.7	193	91	284	2680	0.4130
95/15	94.4	15.3	109.7	26/2.15	7/1.67	13.6	260	123	383	3575	0.3058
95/55	96.5	56.3	152.8	12/3.20	7/3.20	16.0	266	446	712	7935	0.2992
105/75	105.7	75.5	181.5	14/3.10	19/2.25	17.5	292	299	891	10845	0.2735
120/20	121.6	19.8	141.4	26/2.44	7/1.90	15.5	336	158	494	4565	0.2374
120/70	122.0	71.3	193.3	12/3.60	7/3.60	18.0	337	564	901	10000	0.2364
125/30	127.9	29.8	157.7	30/2.33	7/2.33	16.3	353	238	591	5760	0.2259
150/25	148.9	24.2	173.1	26/2.70	7/2.10	17.1	411	194	605	5525	0.1939
170/40	171.8	40.1	211.9	30/2.70	7/2.70	18.9	475	319	794	7675	0.1682
185/30	163.8	29.8	213.6	26/3.00	7/2.33	19.0	507	239	746	6620	0.1571
210/35	209.1	34.1	243.2	26/3.20	7/2.49	20.3	577	273	850	7490	0.1380

ACSR-DIN Standard

Area				Stranding andWire diameter mm		Overall Diameter	Linear Mass			Nominal Breaking Load	Maximum DC Resistance at 20℃
Nominal	Actual						AL	St	Total		
AL St mm²	AL mm²	St mm²	Total mm	AL	St	mm	kg/km	kg/km	kg/km	daN	Ω/km
210/50	212.1	49.5	261.6	30/3.00	7/3.00	21.0	587	394	981	9390	0.1362
230/30	230.9	29.8	260.7	24/3.50	7/2.33	21.0	638	239	877	7310	0.1249
240/40	243.0	39.5	282.5	26/3.45	7/2.68	21.9	671	316	987	8640	0.1188
265/35	263.7	34.1	297.8	24/3.74	7/2.49	22.4	728	274	1002	8305	0.1094
300/50	304.3	49.5	353.7	26/3.86	7/3.00	24.5	840	396	1236	10700	0.09487
305/40	304.6	39.5	344.1	54/2.68	7/2.68	24.1	843	317	1160	9940	0.09490
340/30	339.3	29.8	369.1	48/3.00	7/2.33	25.0	938	242	1180	9290	0.08509
380/50	382.0	49.5	431.5	54/3.00	7/3.00	27.0	1056	397	1453	12310	0.07573
385/35	386.0	31.4	420.1	48/3.20	7/2.49	26.7	1067	277	1344	10480	0.07478
435/55	434.3	56.3	490.6	54/3.20	7/3.20	28.8	1203	450	1653	13645	0.06656
450/40	448.7	39.5	488.2	48/3.45	7/2.68	28.7	1241	320	1561	12075	0.06434
490/65	490.3	63.6	553.9	54/3.40	7/3.40	30.6	1356	510	1866	15310	0.05896
495/35	494.1	34.1	526.2	45/3.74	7/2.49	29.9	1363	283	1646	12180	0.05846
510/45	510.2	45.3	555.5	48/3.68	7/2.87	30.7	1413	365	1778	13665	0.05655
550/70	550.0	71.3	621.3	54/3.60	7/3.60	32.4	1520	572	2092	17060	0.05259
560/50	561.7	49.5	611.2	48/3.86	7/3.00	32.2	1553	401	1954	14895	0.05140
570/40	565.5	39.5	610.3	45/4.00	7/2.68	32.2	1563	325	1888	13900	0.05108
650/45	698.8	45.3	653.49	45/4.30	7/2.87	34.4	1791	372	2163	15552	0.0442
680/85	678.8	86.0	764.8	54/4.00	19/2.40	36.0	1866	702	2570	21040	0.04260
1045/45	1045.58	45.3	1090.9	72/4.30	7/2.87	43.0	2879	370	3249	21787	0.0277

GHCABLE

ACSR-IEC Standard

Code name	Area			Number of wires		Wire dia.		Diameter		Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃
	AL	St	Total			AL	St	Core	Cond.			
	mm²	mm²	mm²	AL	St	mm	mm	mm	mm	Kg/km	daN	Ω/km
16	16	2.67	18.7	6	1	1.84	1.84	1.84	5.53	64.6	6.08	1.7934
25	25	4.17	29.2	6	1	2.30	2.30	2.30	6.91	100.9	9.13	101478
40	40	6.67	46.7	6	1	2.91	2.91	2.91	8.74	161.5	14.40	0.7174
63	63	10.5	73.5	6	1	3.66	3.66	3.66	11.0	254.4	21.63	0.4555
100	100	16.7	117	6	1	4.61	4.61	4.61	13.8	403.8	34.33	0.2869
125	125	6.94	132	18	1	2.97	2.97	2.97	14.9	397.9	29.17	0.2304
125	125	20.4	145	26	7	2.47	1.92	5.77	15.7	503.9	45.69	0.2310
160	160	8.89	169	18	1	3.36	3.36	3.36	16.8	508.3	36.18	0.1800
160	160	26.1	186	26	7	2.80	2.18	6.53	17.7	644.9	57.69	0.1805
200	200	11.1	211	18	1	3.76	3.76	3.76	18.8	636.7	44.22	0.1440
200	200	32.6	233	26	7	3.13	2.43	7.30	19.8	806.2	70.13	0.1444
250	250	24.6	275	22	7	3.80	2.11	6.34	21.6	880.6	68.72	0.1154
250	250	40.7	291	26	7	3.50	2.72	8.16	22.2	1007.7	87.67	0.1155
315	315	21.6	337	45	7	2.99	1.99	5.97	23.9	1039.6	79.03	0.0917
315	315	51.3	366	26	7	3.93	3.05	9.16	24.9	1269.7	106.83	0.0917
400	400	27.7	428	45	7	3.36	2.24	6.73	26.9	1320.1	98.36	0.0722
400	400	51.9	452	54	7	3.07	3.07	9.21	27.6	1510.3	123.04	0.0723
450	450	31.1	481	45	7	3.57	2.38	7.14	28.5	1485.2	107.47	0.0642

ACSR-IEC Standard

Continue Table

Code name	Area			Number of wires		Wire dia.		Diameter		Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃
	AL	St	Total			AL	St	Core	Cond.			
	mm²	mm²	mm²	AL	St	mm	mm	mm	mm	Kg/km	daN	Ω/km
450	450	58.3	508	54	7	3.26	3.26	9.77	29.3	1699.1	138.42	0.0643
500	500	34.6	535	45	7	3.76	2.51	7.52	30.1	1650.2	119.41	0.0578
500	500	64.8	565	54	7	3.43	3.43	10.3	30.9	188.9	153.80	0.0578
560	560	38.7	599	45	7	3.98	2.65	7.96	31.8	1848.2	133.74	0.0516
560	560	70.9	631	54	19	3.63	2.18	10.9	32.7	2103.4	172.59	0.0516
630	630	43.6	674	45	7	4.22	2.81	8.44	33.8	2079.2	150.45	0.0459
630	630	79.6	710	54	19	3.85	2.31	11.6	34.7	2366.3	191.77	0.0459
710	710	49.1	759	45	7	4.48	2.99	8.96	35.9	2343.2	169.56	0.0407
710	710	89.9	800	54	19	4.09	2.45	12.3	36.8	2666.8	216.12	0.0407
800	800	34.6	835	72	7	3.76	2.51	7.52	37.6	2480.2	167.41	0.0361
800	800	66.7	867	84	7	3.48	3.48	10.4	38.3	2732.7	205.33	0.0362
800	800	101	901	54	19	4.34	2.61	13.0	39.1	3004.9	243.52	0.0362
900	900	38.9	939	72	7	3.99	2.66	7.98	39.9	2790.2	188.33	0.0321
900	900	75.0	975	84	7	3.69	3.69	11.1	40.6	3074.2	226.50	0.0322
1000	1000	43.2	1043	72	7	4.21	2.80	8.41	42.1	3100.3	209.26	0.0259
1120	1120	47.3	1167	72	19	4.45	1.78	8.90	44.5	3464.9	234.53	0.0258
1120	1120	91.2	1211	84	19	4.12	2.47	12.4	45.3	3811.5	283.17	0.0258
1250	1250	102	1352	84	19	4.35	2.61	13.1	47.9	4253.9	316.04	0.0232
1250	1250	52.8	1303	72	19	4.70	1.68	9.40	47.0	3867.1	261.75	0.0231

ACSR(JL/GIA)-GB Standard

Nom.area AL/St mm²	Area/mm₂			Number of wires		Wire dia.		Diameter		Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃
	AL	St	Total	AL	St	AL	St	Core	Cond.	kg/km	daN	Ω/km
10/2	10.60	1.77	12.37	6	1	1.50	1.50	1.50	4.50	42.8	4.14	2.7062
16/3	16.13	2.69	18.82	6	1	1.85	1.85	1.85	5.55	65.1	6.13	1.7791
35/6	34.86	5.81	40.67	6	1	2.72	2.72	2.72	8.16	140.8	12.55	0.8230
50/8	48.25	8.04	56.30	6	1	3.20	3.20	3.20	9.60	194.8	16.81	0.5946
50/30	50.73	29.59	80.32	12	7	2.32	2.32	6.96	11.6	371.1	42.61	0.5693
70/10	68.05	11.34	79.39	6	1	3.80	3.80	3.80	11.4	274.8	23.36	0.4217
70/40	69.73	40.67	110.40	12	7	2.72	2.72	8.16	13.6	510.2	58.22	0.4141
95/15	94.39	15.33	109.73	26	7	2.15	1.67	5.01	13.6	380.2	34.93	0.3059
95/20	95.14	18.82	113.96	7	7	4.16	1.85	5.55	13.9	408.2	37.24	0.3020
95/55	96.51	56.30	152.81	12	7	3.20	3.20	9.60	16.0	706.1	77.85	0.2992
120/7	118.89	6.61	125.50	18	1	2.90	2.90	2.90	14.5	378.5	27.74	0.2422
120/20	115.67	18.82	134.49	26	7	2.38	1.85	5.55	15.1	466.1	42.26	0.2496
120/25	122.48	24.25	146.73	7	7	4.72	2.10	6.30	15.7	525.7	47.96	0.2346
120/70	122.15	71.25	193.40	12	7	3.60	3.60	10.8	18.0	893.7	97.92	0.2364
150/8	144.76	8.04	152.80	18	1	3.20	3.20	3.20	16.0	460.9	32.73	0.1990
150/20	145.68	18.82	164.50	24	7	2.78	1.85	5.55	16.7	548.5	46.78	0.1981
150/25	148.86	24.25	173.11	26	7	2.70	2.10	6.30	17.1	600.1	53.67	0.1940
150/35	147.26	34.36	181.62	30	7	2.50	2.50	7.50	17.5	675.0	64.94	0.1962
185/10	183.22	10.18	193.40	18	1	3.60	3.60	3.60	18.0	583.3	40.51	0.1572

ACSR (JL/GIA)-GB Standard — Continue Table

Nom.area AL/St mm²	Area/mm₂			Number of wires		Wire dia.		Diameter		Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃
	AL	St	Total	AL	St	AL	St	Core	Cond.	kg/km	daN	Ω/km
185/25	187.03	24.25	211.28	24	7	3.15	2.10	6.30	18.9	704.9	59.23	0.1543
185/30	181.34	29.59	210.93	26	7	2.98	2.32	6.96	18.9	731.4	64.56	0.1592
185/45	184.73	43.10	227.83	30	7	2.80	2.80	8.40	19.6	846.7	80.54	0.1564
210/10	204.14	11.34	215.48	18	1	3.80	3.80	3.80	19.0	649.9	45.14	0.1411
210/25	209.02	27.10	236.12	24	7	3.33	2.22	6.66	20.0	787.8	66.19	0.1380
210/35	211.73	34.36	246.09	26	7	3.22	2.50	7.50	20.4	852.5	74.11	0.1364
210/50	209.24	48.82	258.06	30	7	2.98	2.98	8.94	20.9	959.0	91.23	0.1381
240/30	244.29	31.67	275.96	24	7	3.60	2.40	7.20	21.6	920.7	75.19	0.1181
240/40	238.84	38.90	277.74	26	7	3.42	2.66	7.98	21.7	962.8	83.76	0.1209
240/55	241.27	56.30	297.57	30	7	3.20	3.20	9.60	22.4	1105.8	101.74	0.1198
300/15	296.88	15.33	312.21	42	7	3.00	1.67	5.01	23.0	938.7	68.41	0.0973
300/20	303.42	20.91	324.32	45	7	2.93	1.95	5.85	23.4	1000.8	76.04	0.952
300/25	306.21	27.10	333.31	48	7	2.85	2.22	6.66	23.8	1057.0	83.76	0.0944
300/40	300.09	38.90	338.99	24	7	3.99	2.66	7.98	23.9	1131.0	92.36	0.0961
300/50	299.54	48.82	348.37	26	7	3.83	2.98	8.94	24.3	1207.7	103.58	0.0964
300/70	305.36	71.25	376.61	30	77	3.60	3.60	10.8	25.2	1399.6	127.23	0.0946
400/20	406.40	20.91	427.31	42	7	3.51	1.95	5.85	26.9	1284.3	89.48	0.0710
400/25	391.91	27.10	419.01	45	7	3.33	2.22	6.66	26.6	1293.5	96.37	0.0737
400/35	390.88	34.36	425.24	48	7	3.22	2.50	7.50	26.8	1347.5	103.67	0.0739
400/65	398.94	65.06	464.00	26	7	4.42	3.44	10.3	28.0	1608.7	135.39	0.0724
400/95	407.75	93.27	501.02	30	19	4.16	2.50	12.5	29.1	1856.7	171.56	0.0709
500/45	488.58	43.10	531.68	48	7	3.60	2.80	8.40	30.0	1685.5	127.31	0.0591
630/55	639.92	56.30	696.22	48	7	4.12	3.20	9.60	34.3	2206.4	164.31	0.0452
800/55	814.30	56.30	870.60	45	7	4.80	3.20	9.60	38.4	2687.5	192.22	0.0355
800/70	808.15	71.25	879.40	48	7	4.63	3.60	10.8	38.6	2787.6	207.68	0.0358

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AAAC-ASTM Standard

Code name	Conductor size	Stranding	Section area	Diameter of conductor	Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃
	AWG MCM	No./mm	mm^2	mm	kg/km	kgf	Ω/km
Alton	4	7/1.96	21.14	5.89	57.89	685	1.5860
	48.69(4)	7/2.12	24.67	6.35	67.56	799	1.3557
Ames	2	7/2.47	33.65	7.42	92.14	1091	0.9987
	77.47(2)	7/2.67	39.26	8.02	107.50	1275	0.8547
Azusa	1/0	7/3.12	53.49	9.35	146.50	1733	0.6259
	123.3(1/0)	7/3.37	62.46	10.11	171.00	2019	0.5365
Anaheim	2/0	7/3.50	67.45	10.52	184.70	2090	0.4974
	155.4(2/0)	7/3.78	78.75	11.35	215.16	2447	0.4264
Amherst	3/0	7/3.93	85.00	11.79	232.70	2641	0.3945
	195.7(3/0)	7/4.25	99.20	12.75	271.50	3079	0.3373
Alliance	4/0	7/4.42	107.20	13.26	293.70	3334	0.3119
	246.9(4/0)	7/4.77	125.10	14.30	342.60	3885	0.2678
	250.0	19/2.91	126.70	14.58	346.90	3977	0.2651
Butte	300.0	19/3.19	152.10	15.89	418.60	4772	0.2206
	312.8	19/3.26	158.50	16.31	434.00	4976	0.2112
Canton	350.0	19/3.46	177.30	17.25	485.50	5333	0.1886
	394.5	19/3.66	199.00	18.31	547.40	6016	0.1676
Calro	400.0	19/3.69	202.70	18.44	555.10	6098	0.1649
	450.0	19/3.91	228.00	19.56	624.40	6862	0.1468
	465.4	19/3.98	235.80	19.89	645.70	7097	0.1431
Darien	500.0	19/4.12	253.40	20.60	693.60	7617	0.1322
	550.0	37/3.10	278.70	21.67	762.90	8555	0.1200
	559.5	19/4.36	283.50	21.79	776.30	8525	0.1181
Elgin	600.0	37/3.23	304.00	22.63	832.00	9330	0.1105
	650.0	37/3.37	329.40	23.57	909.80	10105	0.1015
Flint	652.4	19/4.71	330.60	23.55	970.60	9942	0.1012
	700.0	37/3.49	354.50	24.46	910.60	10401	0.09464
	740.8	37/3.59	375.40	25.15	1028	11013	0.08944
	750.0	37/3.62	380.20	25.32	1041	11216	0.08796
Greeley	800.0	37/3.73	405.40	26.14	1109	11930	0.08285
	900.0	37/3.96	456.30	27.74	1249	13460	0.07351
	927.2	37/4.02	469.80	28.14	1287	13868	0.07133
	1000	37/4.18	506.70	29.24	1388	14887	0.06597
	1077.4	61/3.38	483.40	30.42	1496	15907	0.06120
	1165.1	61/3.51	523.70	31.59	1617	17233	0.05675
	1250	61/3.63	633.30	32.67	1733	18354	0.05306
	1259.6	61/3.65	564.00	32.85	1748	18558	0.05248
	1348.8	61/3.78	604.20	34.02	1872	19884	0.04893
	1439.2	61/3.90	644.50	35.1	1997	21209	0.04597
	1500.0	61/3.98	760.00	35.82	2081	22127	0.04414
	1750.0	61/4.30	886.70	38.7	2429	25798	0.03781

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AAAC-BS Standard

Code name	Conductor size	Stranding	Section area	Diameter of conductor	Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃
	AWG MCM	No./mm	mm²	mm	kg/km	kgf	Ω/km
Box	15	7/1.85	18.82	5.55	51	537	1.7495
Acacia	20	7/2.08	23.79	6.24	65	680	1.3840
Almond	25	7/2.34	30.10	7.02	82	861	1.0934
Cedar	30	7/2.54	35.47	7.62	97	1014	0.9281
	35	7/2.77	42.18	8.31	115	1205	0.7804
Fir	40	7/2.95	47.84	8.85	131	1367	0.6880
Hazel	50	7/3.30	59.87	9.9	164	1711	0.55498
Pine	60	7/3.61	71.65	10.83	196	2048	0.4594
	70	7/3.91	84.05	11.73	230	2402	0.3917
Willow	75	7/4.04	89.73	12.12	245	2565	0.3669
	80	7/4.19	96.52	12.57	264	2758	0.3441
	90	7/4.44	108.00	13.32	298	3112	0.3023
Oak	100	7/4.65	118.90	13.95	325	3398	0.2769
	100	19/2.82	118.70	14.1	326	3393	0.2787
Mulberry	125	19/3.18	150.90	15.9	415	4312	0.2192
Ash	150	19/3.48	180.70	17.4	497	5164	0.1831
Elm	175	19/3.76	211.00	18.8	580	6030	0.1568
Poplar	200	37/2.87	239.40	20.09	659	8841	0.1385
	225	37/3.05	270.30	21.35	744	7724	0.1227
Sycamore	250	37/3.22	303.20	22.54	835	8864	0.1093
Upas	300	37/3.53	362.10	24.71	997	10350	0.09156
Walnut	350	37/3.81	421.80	26.67	1162	12053	0.07860
Yew	400	37/4.06	479.00	28.42	1319	13685	0.06921
Totara	425	37/4.14	498.10	28.98	1372	14233	0.06656
Rubus	500	61/3.50	586.90	31.5	1620	16771	0.05662
Araucaria	700	61/4.14	821.10	37.26	2266	23450	0.04047

AAAC –AS/NZS Standard

Code word	Stranding	Nominal Breaking Load (kN)	Maximum DC Resistance at 20 ℃ (Ω/km)
Chlorine	7/2.50	8.18	0.864
Chromium	7/2.75	9.91	0.713
Fluorine	7/3.00	11.8	0.599
Helium	7/3.75	17.6	0.383
Hydrogen	7/4.50	24.3	0.266
Lodine	7/4.75	27.1	0.239
Krypton	19/3.25	37.4	0.189
Lutetium	19/3.50	41.7	0.163
Neon	19/3.75	47.8	0.142
Nitrogen	37/3.00	62.2	0.114
Nobelium	37/3.25	72.8	0.0973
Oxygen	19/4.75	73.6	0.0884
Phosphorus	37/3.75	93.1	0.0731
Selenium	61/3.25	114	0.0592
Silicon	61/3.50	127	0.0511
Sulfur	61/3.75	145	0.0444

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AAAC-DIN Standard

Conductor size	Alloy area	Number of wires	Diameter of wire	Overall diameter of conductor	Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃
mm²	mm²		mm	mm	kg/km	daN	Ω/km
16	15.89	7	1.70	5.1	43	444	2.0910
25	24.25	7	2.10	6.3	66	677	1.3703
35	34.36	7	2.50	7.5	94	960	0.9669
50	49.48	7	3.00	9.0	135	1382	0.6714
50	48.35	19	1.80	9.0	133	1350	0.6905
70	65.81	19	2.10	10.5	181	1838	0.5073
95	93.27	19	2.50	12.5	256	2605	0.3579
120	116.99	19	2.80	14.0	322	3268	0.2854
150	147.11	37	2.25	15.8	406	4109	0.2274
185	181.62	37	2.50	17.5	500	5073	0.1842
240	242.54	61	2.25	20.3	670	6774	0.1383
300	299.43	61	2.50	22.5	827	8363	0.1120
400	400.14	61	2.89	26.0	1104	11176	0.0838
500	499.63	61	3.23	29.1	1379	13960	0.06709
625	626.20	91	2.96	32.6	1732	17490	0.0540
800	802.09	91	3.35	36.9	2218	22402	0.0418
1000	999.71	91	3.74	41.1	2767	27922	0.0335

AAAC-IEC Standard

Code name	Area/ mm²	No.of wires	Diameter/mm		Linear Mass kg/km	Nominal Breaking Load kN	Maximum DC Resistance at 20℃
			mm	mm			
16	18.4	77	1.83	5.49	50.4	5.43	1.7896
25	28.8		2.29	6.86	78.7	8.49	1.1453
40	46.0	7	2.89	8.68	125.9	13.58	0.7158
63	72.5	7	3.63	10.9	198.3	21.39	0.4545
100	115	19	2.78	13.9	316.3	33.95	0.2877
125	144	19	3.10	15.5	395.4	42.44	0.2302
160	184	19	3.51	17.6	506.1	54.32	0.1798
200	230	19	3.93	19.6	632.7	67.91	0.1439
250	288	19	4.39	22.0	790.8	84.88	0.1151
315	363	37	3.53	24.7	998.9	106.95	0.0916
400	460	37	3.98	27.9	1268.4	135.81	0.0721
450	518	37	4.22	29.6	1426.9	152.79	0.0641
500	575	37	4.45	31.2	1585.5	169.76	0.0577
560	645	61	3.67	33.0	1778.4	190.14	0.0516
630	725	61	3.89	35.0	2000.7	213.90	0.0458
710	817	61	4.13	37.2	1154.8	241.07	0.0407
800	921	61	4.38	39.5	2540.6	271.62	0.0361
900	1036	91	3.81	41.8	2861.1	305.58	0.0321
1000	1151	91	4.01	44.1	3179.0	339.53	0.0289
1120	1289	91	4.25	46.7	3560.5	380.27	0.0258
1250	1439	91	4.49	49.4	3973.7	424.41	0.0231

Code name	Area/ mm²	No.of wires	Diameter/mm		Linear Mass kg/km	Nominal Breaking Load kN	Maximum DC Resistance at 20℃
			mm	mm			
16	18.6	7	1.84	5.52	50.8	6.04	1.7896
25	29.0	7	2.30	6.90	79.5	9.44	1.1453
40	46.5	7	2.91	8.72	127.1	15.10	0.7158
63	73.2	7	3.65	10.9	200.2	23.06	0.4545
100	116	19	2.79	14.0	319.3	37.76	0.2877
125	145	19	3.12	15.6	399.2	47.20	0.2302
160	186	19	3.53	17.6	511.0	58.56	0.1798
200	232	19	3.95	19.7	638.7	73.20	0.1439
250	290	19	4.41	22.1	798.4	91.50	0.1151
315	366	37	3.55	24.8	1008.4	115.29	0.0913
400	465	37	4.00	28.0	1280.5	146.40	0.0721
450	523	37	4.24	29.7	1440.5	164.70	0.0641
500	581	37	4.47	31.3	1600.6	183.00	0.0577
560	651	61	3.69	33.2	1795.3	204.96	0.0516
630	732	61	3.91	35.2	2019.8	230.58	0.0458
710	825	61	4.15	37.3	2276.2	259.86	0.0407
800	930	61	4.40	39.6	2564.8	292.80	0.0361
900	1046	91	3.83	42.1	2888.3	329.40	0.0321
1000	1162	91	4.03	44.4	3209.3	366.00	0.0289
1120	1301	91	4.27	46.9	3594.4	409.92	0.0258

AAAC(JLHA1 JLHA2)-GB Standard

Nom. Alloy Areamm²	Area/ mm²	No.of wires	Diameter/mm		Linear Mass kg/km	Nominal Breaking Load kN	Maximum DC Resistance at 20℃
			Wire	Cond.			
10	10.02	7	1.35	4.05	27.4	3.26	3.3205
16	16.08	7	1.71	5.13	44.0	5.22	2.0695
25	24.94	7	2.13	6.39	68.2	8.11	1.3339
35	34.91	7	2.52	7.56	95.5	11.35	0.9529
50	50.14	7	3.02	9.06	137.2	16.30	0.6635
70	70.07	7	3.57	10.7	191.7	22.07	0.4748
95	95.14	7	4.16	12.5	261.5	29.97	0.3514
150	149.96	19	3.17	15.9	412.2	48.74	0.2229
210	209.85	19	3.75	18.8	576.8	66.10	0.1593
240	239.96	19	4.01	20.1	661.1	75.59	0.1397
300	299.43	37	3.21	22.5	825.0	97.32	0.1119
400	399.98	37	3.71	26.0	1102.0	125.99	0.0838
500	500.48	37	4.15	29.1	1380.9	157.65	0.0671
630	631.30	61	3.63	32.7	1741.8	198.86	0.0532
800	801.43	61	4.09	36.8	2211.3	252.45	0.0419
1000	1000.58	61	4.57	41.1	2760.7	315.18	0.0335

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Nom. Alloy Areamm²	Area/ mm²	No.of wires	Diameter/mm		Linear Mass kg/km	Nominal Breaking Load kN	Maximum DC Resistance at 20℃
			Wire	Cond.			
10	10.02	7	1.35	4.05	27.4	2.96	3.2891
16	16.08	7	1.71	5.13	44.0	4.74	2.0500
25	24.94	7	2.13	6.39	68.2	7.36	1.3213
35	34.91	7	2.52	7.56	95.5	10.30	0.9439
50	50.14	7	3.02	9.06	137.2	14.79	0.6573
70	70.07	7	3.57	10.7	191.7	20.67	0.4703
95	95.14	7	4.16	12.5	261.5	28.07	0.3481
120	120.36	19	2.84	14.2	330.8	35.51	0.2751
150	149.96	19	3.17	15.9	412.2	44.24	0.2208
210	209.85	19	3.75	18.8	576.8	61.91	0.1578
240	239.96	19	4.01	20.1	661.1	70.79	0.1383
300	299.43	37	3.21	22.5	825.0	88.33	0.1109
400	399.98	37	3.71	26.0	1102.0	117.99	0.0830
500	500.48	37	4.15	29.1	1380.9	147.64	0.0664
630	631.30	61	3.63	32.7	1741.8	186.23	0.0527
800	801.43	61	4.09	36.8	2211.3	236.42	0.0415
1000	1000.58	61	4.57	41.1	2760.7	295.17	0.0332

AACSR-ASTM Standard

Conductor Area	Alloy area	Steel area	No. of alloy wires	Diameter of alloy wire	Number of Steel wires	Diameter of Steel wire	Diameter of conductor	Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃
mm²	mm²	mm²		mm		mm	mm	kg/km	daN	Ω/km
163	140	23	26	2.62	7	2.04	16.6	560	7500	0.240
173	140	33	30	2.44	7	2.44	17.1	650	8740	0.240
186	160	26	26	2.80	7	2.18	17.7	645	8560	0.210
198	160	38	30	2.61	7	2.61	18.3	740	10600	0.210
209	180	29	256	2.97	7	2.31	18.8	725	9510	0.187
222	180	42	30	2.76	7	2.76	19.3	825	11200	0.187
232	200	32	26	3.13	7	2.43	19.8	800	10600	0.168
247	200	47	30	2.91	7	2.91	20.4	920	12400	0.168
260	224	36	26	3.31	7	2.57	21.0	900	11800	0.150
276	224	52	30	3.08	7	3.08	21.6	1025	13900	0.150
291	250	41	26	3.50	7	2.72	22.2	1010	12900	0.135
308	250	58	30	3.26	7	3.26	22.8	1145	15600	0.135
326	280	46	26	3.70	7	2.88	23.4	1140	14400	0.120
345	280	65	30	3.45	7	3.45	24.2	1280	17100	0.120
367	315	52	26	3.93	7	3.06	24.9	1276	16300	0.107
387	315	72	30	3.66	19	2.20	25.6	1433	19000	0.107
413	355	58	26	4.17	7	3.24	26.4	1433	18300	0.0950
436	355	81	30	3.88	19	2.33	27.2	1614	21100	0.0950
465	400	65	26	4.43	7	3.45	28.1	1612	20700	0.0842
491	400	91	30	4.12	19	2.47	28.8	1816	23700	0.0842
509	450	59	54	3.26	19	1.98	29.5	1703	21500	0.0748
563	500	63	54	3.43	19	2.06	30.9	1873	22900	0.0673
631	560	71	54	3.63	19	2.18	32.7	2101	25700	0.06010
710	630	80	54	3.85	19	2.31	34.6	2365	28600	0.0534
800	710	90	54	4.09	19	2.45	36.8	2665	32200	0.0474
901	800	101	54	4.34	19	2.60	39.0	3000	36300	0.0420
973	900	73	84	3.69	19	2.21	40.6	3062	35500	0.0374
1081	1000	81	84	3.89	19	2.33	42.8	3395	39100	0.0337
1211	1120	91	84	4.12	19	2.47	45.3	3803	43900	0.0300
1352	1250	102	84	4.35	19	2.61	47.8	4250	49000	0.0270

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AACSR-DIN Standard

Conductor Area	Alloy area	Steel area	No. of alloy wires	Diameter of alloy wire	Number of Steel wires	Diameter of Steel wire	Diameter of conductor	Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃
mm²	mm²	mm²		mm		mm	mm	kg/km	daN	Ω/km
16/2.5	15.27	2.54	6	1.80	1	1.80	5.4	62	748	2.1800
25/4	23.86	3.98	6	2.25	1	2.28	6.8	97	1171	1.3952
35/6	34.35	5.73	6	2.70	1	2.70	8.1	140	1685	0.9689
44/32	43.98	31.67	14	2.00	7	2.40	11.2	373	5027	0.7625
50/8	48.25	8.04	6	3.20	1	3.20	9.6	196	2366	0.6898
50/30	51.17	29.85	12	2.33	7	2.33	11.7	378	5024	0.6547
70/12	69.89	11.40	26	1.85	7	1.44	11.7	284	3399	0.4791
95/15	94.39	15.33	26	2.15	7	1.67	13.6	383	4582	0.3547

AACSR-DIN Standard

Continue Table

Conductor Area	Alloy area	Steel area	No. of alloy wires	Diameter of alloy wire	Number of Steel wires	Diameter of Steel wire	Diameter of conductor	Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃
mm²	mm²	mm²		mm		mm	mm	kg/km	daN	Ω/km
95/55	96.51	56.30	12	3.20	7	3.20	16.0	714	9475	0.3471
105/75	105.67	75.55	14	3.10	19	2.25	17.5	899	12014	0.3174
120/20	121.57	19.85	26	2.44	7	1.90	15.5	494	5914	0.2754
120/70	122.15	71.25	12	3.60	7	3.60	18.0	904	11912	0.2742
125/30	127.92	29.85	30	2.33	7	2.33	16.3	590	7280	0.2621
150/25	148.86	24.25	26	2.70	7	2.10	17.1	604	7236	0.2249
170/40	171.77	40.08	30	2.70	7	2.70	18.9	794	9775	0.1952
185/30	183.78	29.85	26	3.00	7	2.33	19.0	744	8922	0.1822
210/35	209.10	34.09	26	3.20	7	2.49	20.3	848	10167	0.1601
210/50	212.06	49.48	30	3.00	7	3.00	21.0	979	12068	0.1581
230/30	230.91	29.85	24	3.50	7	2.33	21.0	874	10308	0.1449
240/40	243.05	39.49	26	3.45	7	2.68	21.8	985	11802	0.1378
265/35	263.66	34.09	24	3.74	7	2.49	22.4	998	11771	0.1269
300/50	304.26	49.48	26	3.86	7	3.00	24.5	1233	14779	0.1101
305/40	304.62	39.49	54	2.68	7	2.68	24.1	1155	13612	0.1101
340/30	339.29	29.85	48	3.00	7	2.33	25.0	1174	13494	0.0988
380/50	381.70	49.48	54	3.00	7	3.00	27.0	1448	17056	0.0879
385/35	386.04	34.09	48	3.20	7	2.49	26.7	1336	15369	0.0868
435/55	434.29	56.30	54	3.20	7	3.20	28.8	1647	19406	0.0772
450/40	448.71	39.49	48	3.45	7	2.68	28.7	1553	17848	0.0747
490/65	490.28	63.55	54	3.60	7	3.40	30.6	1860	21907	0.0684
550/70	549.65	71.25	54	3.40	7	3.60	32.4	2085	24560	0.0610
560/50	561.70	49.48	48	3.86	7	3.00	32.2	1943	22348	0.0597
680/85	678.58	85.95	54	4.00	19	2.40	36.0	2564	30084	0.0494

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AACSR-IEC Standard

Code name	Area			Number of wires		Wire dia.		Diameter		Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃
	Alloy	St	Total			Alloy	St	Core	Cond.			
	mm²	mm²	mm²	Alloy	St	mm	mm	mm	mm	Kg/km	daN	Ω/km
16	18.4	3.07	21.5	6	1	1.98	1.98	1.98	5.93	74.4	9.02	1.7934
25	28.8	4.80	33.6	6	1	2.47	2.47	2.47	7.41	116.2	13.96	1.1478
40	46.0	7.67	53.7	6	1	3.13	3.13	3.13	9.38	185.9	22.02	0.7174
63	72.5	12.1	84.6	6	1	3.92	3.92	3.92	11.8	292.8	34.68	0.4555
100	115	6.39	121	18	1	2.85	2.85	2.85	14.3	366.4	41.24	0.2880
125	144	7.99	152	18	1	3.19	3.19	3.19	16.0	458.0	51.23	0.2304
125	144	23.4	167	26	7	2.65	2.06	6.19	16.8	579.9	69.86	0.2310
160	184	10.2	194	18	1	3.61	3.61	3.61	18.0	586.2	65.58	0.1800
160	184	30.0	214	26	7	3.00	2.34	7.01	19.0	742.3	88.52	0.1805
200	230	12.8	243	18	1	4.04	4.04	4.04	20.2	732.8	81.97	0.1440
200	230	37.5	268	26	7	3.36	2.61	7.83	21.3	927.9	110.64	0.1444
250	288	28.3	316	22	7	4.08	2.27	6.80	23.1	1013.5	117.09	0.1154
250	288	46.9	335	26	7	3.75	2.92	8.76	23.8	1159.8	138.31	0.1155
315	383	25.1	388	45	7	3.20	2.14	6.41	25.8	1196.5	136.28	0.0917

AACSR-IEC Standard

Continue Table

Code name	Area			Number of wires		Wire dia.		Diameter		Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃
	Alloy	St	Total			Alloy	St	Core	Cond.			
	mm²	mm²	mm²	Alloy	St	mm	mm	mm	mm	Kg/km	daN	Ω/km
315	383	59.0	422	26	7	4.21	3.28	9.83	26.7	1461.4	171.90	0.0917
400	460	31.8	492	45	7	3.61	2.41	7.22	28.9	1519.4	172.10	0.0722
400	460	59.7	520	54	7	3.29	3.29	9.88	29.7	1738.3	201.46	0.0723
450	518	35.8	554	45	7	3.83	2.55	7.66	30.6	1709.3	193.61	0.0642
450	518	67.1	585	54	7	3.49	3.49	10.5	31.5	1955.6	226.64	0.0643
500	575	39.8	615	45	7	4.04	2.69	8.07	32.3	1899.3	215.12	0.0578
500	575	74.6	650	54	7	3.68	3.68	11.1	33.2	2172.9	251.82	0.0578
560	645	44.6	689	45	7	4.27	2.85	8.54	34.2	2127.2	240.93	0.0516
560	645	81.6	726	54	19	3.90	2.34	11.7	35.1	2420.9	283.21	0.0516
630	725	31.3	756	72	7	3.58	2.39	7.16	35.8	2248.0	249.62	0.0459
630	725	91.8	817	54	19	4.13	2.48	12.4	37.2	2723.5	318.61	0.0459
710	817	35.3	852	72	7	3.80	2.53	7.60	38.0	2533.4	281.32	0.0407
710	817	104	921	54	19	4.39	2.63	13.2	39.5	3069.4	359.98	0.0407
800	921	39.8	961	72	7	4.04	2.69	8.07	40.4	2854.6	316.98	0.0361
800	921	76.7	997	84	7	3.74	3.74	11.2	41.1	3145.1	356.03	0.0362
900	1036	44.8	1081	72	7	4.28	2.85	8.56	42.8	3211.4	356.60	0.0321
900	1036	86.3	1122	84	7	3.96	3.96	11.9	43.6	3538.3	400.53	0.0322
1000	1151	93.7	1245	84	19	4.18	2.51	12.5	45.9	3916.8	446.37	0.0289
1120	1289	105	1394	84	19	4.42	2.65	13.3	48.6	4386.8	499.93	0.0258

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

AACSR(JLHA1/G1A) -GB Standard

Nom. area Alloy/St mm²	Area / mm²			Number of wires		Wire dia. /mm		Diameter		Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃
	Alloy	St	Total	Alloy	St	Alloy	St	Core	Cond.	kg/km	daN	Ω/km
10/2	10.60	1.77	12.37	6	1	1.50	1.50	1.50	4.50	42.8	5.51	3.1444
16/3	16.13	2.69	18.82	6	1	1.85	1.85	1.85	5.55	65.1	8.39	2.0671
25/4	25.36	4.23	29.59	6	1	2.32	2.32	2.32	6.96	102.4	13.06	1.3144
35/6	34.86	5.81	40.67	6	1	2.72	2.72	2.72	8.16	140.8	17.96	0.9563
50/8	48.25	8.04	56.30	6	1	3.20	3.20	3.20	9.60	194.8	24.53	0.6909
50/30	50.73	29.59	80.32	12	7	2.32	2.32	6.96	11.6	371.1	50.22	0.6614
70/10	68.05	11.34	79.39	6	1	3.80	3.80	3.80	11.4	274.8	33.91	0.4899
70/40	69.73	40.67	110.40	12	7	2.72	2.72	8.16	13.6	510.2	69.03	0.4812
95/15	94.39	15.33	109.73	26	7	2.15	1.67	5.01	13.6	380.2	48.62	0.3554
95/55	96.51	56.30	152.81	12	7	3.20	3.20	9.60	16.0	706.1	93.29	0.3477
120/7	118.89	6.61	125.50	18	1	2.90	2.90	8.70	14.5	378.5	46.17	0.2815
120/20	115.67	18.82	134.49	26	7	2.38	1.85	5.55	15.1	466.1	59.61	0.2900
120/70	122.15	71.25	193.40	12	7	3.60	3.60	10.8	18.0	893.7	116.85	0.2747
150/8	144.76	8.04	152.81	18	1	3.20	3.20	3.20	16.0	460.9	55.90	0.2312
150/25	148.86	24.25	173.11	26	7	2.70	2.10	6.30	17.1	600.1	76.75	0.2254
185/10	183.22	10.18	193.40	18	1	3.60	3.60	3.60	18.0	583.3	68.91	0.1826
210/10	204.14	11.34	215.48	18	1	3.80	3.80	3.80	19.0	649.9	76.78	0.1639
210/35	211.73	34.36	246.09	26	7	3.22	2.50	7.5	20.4	852.5	107.98	0.1585
240/30	244.29	31.67	275.96	24	7	3.60	2.40	7.20	21.6	920.7	113.05	0.1372

AACSR(JLHA1/G1A) Standard

Continue Table

Nom. area Alloy/St mm²	Area / mm²			Number of wires		Wire dia. /mm		Diameter		Linear Mass	Nominal Breaking Load	Maximum DC Resistance at 20℃
	Alloy	St	Total	Alloy	St	Alloy	St	Core	Cond.	kg/km	daN	Ω/km
240/40	238.84	38.90	277.74	26	7	3.42	2.66	7.98	21.7	962.8	121.97	0.1405
300/20	303.42	20.91	324.32	45	7	2.93	1.95	5.85	23.4	1000.8	123.07	0.1106
300/50	299.54	48.82	348.37	26	7	3.83	2.98	8.94	24.3	1207.7	150.01	0.1120
300/70	305.36	71.25	376.61	30	7	3.60	3.60	10.8	25.2	1399.6	174.57	0.1099
400/25	391.91	27.10	419.01	45	7	3.33	2.22	6.66	26.6	1293.5	159.07	0.0857
400/50	399.72	51.82	451.54	54	7	3.07	3.07	9.21	27.6	1509.3	186.91	0.0841
400/95	407.75	93.27	501.02	30	19	4.16	2.50	12.5	29.1	1856.7	234.77	0.0823
500/35	497.01	34.36	531.37	45	7	3.75	2.50	7.50	30.0	1640.3	195.73	0.0675
500/65	501.88	65.06	566.94	54	7	3.44	3.44	10.3	31.0	1895.0	234.68	0.0670
630/45	623.45	43.10	666.55	45	7	4.20	2.80	8.40	33.6	2057.6	245.52	0.0538
630/80	635.19	80.32	715.51	54	19	3.87	2.32	11.6	34.8	2384.7	291.65	0.0529
800/55	814.30	56.30	870.60	45	7	4.80	3.20	9.60	38.4	2687.5	318.43	0.0412
800/100	795.17	100.88	896.05	54	19	4.33	2.60	13.0	39.0	2987.8	365.48	0.0423
1000/45	1002.27	43.10	1045.38	72	7	4.21	2.80	8.40	42.1	3106.8	364.85	0.0335
1000/125	993.51	125.50	1119.01	54	19	4.84	2.90	14.5	43.5	3728.9	456.03	0.0338

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ACAR-ASTM Standard

Size	Section	Stranding	Stranding	Diameter	Weight	Nominal Breaking Load	Maximum DC Resistance at 20℃
AWG or MCM	mm	AL	Alloy 6201	mm	kg/km	kg	Ω/km
30.58	15.5	4×1.68	3×1.68	5.04	42.7	375	1.9786
4	21.15	4×1.96	3×1.96	5.88	58.3	507	1.4506
48.69	24.67	4×2.12	3×2.12	6.36	68	588	1.2428
2	33.62	4×2.47	3×2.47	7.42	92.7	792	0.9112
77.47	39.25	4×2.67	3×2.67	8.02	108	910	0.781
1/0	53.51	4×3.12	3×3.12	9.36	147	1222	0.5732
123.3	62.48	4×3.37	3×3.37	10.11	172	1425	0.4909
2/0	67.44	4×3.5	3×3.50	10.51	186	1501	0.4545
155.4	78.74	4×3.78	3×3.78	11.35	217	1735	0.3893
3/0	85.02	4×3.93	3×3.93	11.8	234	1859	0.3607
195.7	99.16	4×4.25	3×4.25	12.74	273	2174	0.3092
4/0	107	4×4.42	3×4.42	13.25	296	2352	0.2858
246.9	125	4×4.77	3×4.77	14.31	345	2739	0.2451
250	127	15×2.91	4×2.91	14.57	349	2482	0.2344
250	127	12×2.91	7×2.91	14.57	349	2806	0.2399
300	152	15×3.19	4×3.19	15.96	419	2943	0.1952
300	152	12×3.19	7×3.19	15.96	419	3340	0.1997
350	177	15×3.45	4×3.45	17.23	489	3395	0.1675
350	177	12×3.45	7×3.45	17.23	489	3823	0.1714
400	203	15×3.69	4×3.69	18.43	559	3831	0.1465
400	203	12×3.69	7×3.69	18.43	559	4330	0.1499
450	228	15×3.91	4×3.91	19.55	629	4243	0.1302
450	228	12×3.91	7×3.91	19.55	629	4813	0.1332

ACAR-ASTM Standard

Continue Table

Size	Section	Stranding		Diameter	Weight	Nominal Breaking Load	Maximum DC Resistance at 20℃
AWG or MCM	mm²	AL	Alloy 6201	mm	kg/km	kg	Ω/km
500	253	15×4.12	4×4.12	20.6	698	4711	0.1172
500	253	12×4.12	7×4.12	20.6	698	5344	0.1199
500	253	33×2.95	4×2.95	20.66	698	4521	0.1156
500	253	30×2.95	7×2.95	20.66	698	4891	0.1169
500	253	24×2.12	13×2.12	20.66	698	5384	0.1197
500	253	18×2.95	19×2.95	20.66	698	5990	0.1226
550	279	15×4.32	4×4.32	21.6	768	5179	0.1066
550	279	12×4.32	7×4.32	21.6	768	5876	0.1091
550	279	33×3.1	4×3.10	21.67	768	4913	0.1051
550	279	30×3.1	7×3.10	21.67	768	5327	0.1063
550	279	24×3.1	13×3.10	21.67	768	5886	0.1088
550	279	18×3.1	19×3.10	21.67	768	6568	0.1114
600	304	15×4.51	4×4.51	22.57	838	5645	0.0977
600	304	12×4.51	7×4.51	22.57	838	6404	0.0999
600	304	33×3.23	4×3.23	22.63	838	5333	0.0963
600	304	30×3.23	7×3.23×	22.63	838	5783	0.0974
600	304	24×3.23	13×3.23	22.63	838	6391	0.0997
600	304	18×3.23	19×3.23	22.63	838	7131	0.1022
650	329	37×3.37	4×3.37	23.56	908	5806	0.0889
650	329	30×3.37	7×3.37	23.56	908	6296	0.0899
650	329	24×3.37	13×3.37	23.56	908	6957	0.0921
650	329	18×3.37	19×3.37×	23.56	908	7762	0.0943
700	354	33×3.49	4×3.49×	24.45	978	6178	0.0826
700	354	30×3.49	7×3.49×	24.45	978	6666	0.0835
700	354	24×3.49	13×3.49	24.45	978	7306	0.0855
700	354	18×3.49	19×3.49	24.45	978	8099	0.0876
750	380	33×3.62	4×3.62	25.32	1048	6538	0.077
750	380	30×3.62	7×3.62	25.32	1048	7071	0.0779
750	380	24×3.62	13×3.62	25.32	1048	7780	0.0797
750	380	18×3.62	19×3.62	25.32	1048	8651	0.0817
800	405	33×3.73	4×3.73	26.14	1117	6941	0.0722
800	405	30×3.73	7×3.73	26.14	1117	7507	0.0731
800	405	24×3.73	13×3.73	26.14	1117	8260	0.0748
800	405	18×3.73	19×3.73	26.14	1117	9185	0.0766
850	431	33×3.85	4×3.85	26.95	1187	7272	0.0679
850	431	30×3.85	7×3.85	26.95	1187	7884	0.0687
850	431	24×3.85	13×3.85	26.95	1187	8709	0.0703
850	431	18×3.85	19×3.85	26.95	1187	9715	0.0721
900	456	33×3.96	4×3.96	27.74	1257	7694	0.0641
900	456	30×3.96	7×3.96	27.74	1257	8341	0.0649
900	456	24×3.96	13×3.96	27.74	1257	9214	0.0664
900	456	18×3.96	19×3.96	27.74	1257	10274	0.068
950	481	33×4.07	4×4.07	28.48	1327	8127	0.0608

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ACAR-ASTM Standard

Continue Table

Size	Section	Stranding		Diameter	Weight	Nominal Breaking Load	Maximum DC Resistance at 20℃
AWG or MCM	mm^2	AL	Alloy 6201	mm	kg/km	kg	Ω/km
950	481	30×4.07	7×4.07	28.48	1327	8811	0.0615
950	481	24×4.07	13×4.07	28.48	1327	9733	0.063
950	481	18×4.07	19×4.07	28.48	1327	10857	0.0645
1000	507	33×4.18	4×4.18	29.23	1394	8572	0.0578
1000	507	30×4.18	7×4.18	29.23	1393	9294	0.0584
1000	507	24×4.18	13×4.18	29.23	1393	10266	0.0598
1000	507	18×4.18	19×4.18	29.23	1391	11452	0.0613
1000	507	54×3.25	7×3.25	29.26	1393	8950	0.0578
1000	507	48×3.25	13×3.25	29.26	1393	9584	0.0586
1000	507	42×3.25	19×3.25	29.26	1391	10395	0.0595
1000	507	33×3.25	28×3.25	29.26	1391	11251	0.0608
1100	557	24×4.38	13×4.38	30.65	1534	11272	0.0544
1100	557	18×4.38	19×4.38	30.65	1534	12574	0.0557
1100	557	54×3.41	7×3.41	30.7	1534	9773	0.0525
1100	557	48×3.41	13×3.41	30.7	1534	10404	0.0533
1100	557	42×3.41	19×3.41	30.7	1534	11228	0.0541
1100	557	33×3.41	28×3.4	30.7	1534	12076	0.0552
1200	608	33×4.58	4×4.58	32.02	1673	10292	0.0481
1200	608	30×4.58	7×4.58	32.02	1673	11157	0.0487
1200	608	24×4.58	13×4.58	32.02	1673	12325	0.0498
1200	608	18×4.58	19×4.58	32.02	1673	13748	0.0514
1200	608	54×3.56	7×3.56	32.07	1673	10480	0.0482
1200	608	48×3.56	13×3.56	32.07	1673	11185	0.0488
1200	608	42×3.56	19×3.56	32.07	1673	12101	0.0495
1200	608	33×3.56	28×3.56	32.07	1673	12941	0.0506
1250	633	33×4.67	4×4.67	32.7	1741	10700	0.0462
1250	633	30×4.67	7×4.67	32.7	1741	11600	0.0467
1250	633	24×4.67	13×4.67	32.07	1741	12814	0.0479
1250	633	18×4.67	19×4.67	32.07	1741	14294	0.049
1250	633	54×3.64	7×3.64	32.72	1741	10956	0.0463
1250	633	48×3.64	13×3.64	32.72	1741	11694	0.0469
1250	633	42×3.64	19×3.64	32.72	1741	12650	0.0476
1250	633	33×3.64	28×3.64	32.72	1741	13529	0.0486
1300	659	33×4.76	4×4.76	33.32	1812	11116	0.0444
1300	659	30×4.76	7×4.76	33.32	1812	12052	0.045
1300	659	24×4.76	13×4.76	33.32	1812	13312	0.046
1300	659	18×4.76	19×4.76	33.32	1812	14851	0.0472
1300	659	54×3.71	7×3.71×	33.38	1812	11381	0.0444
1300	659	48×3.71	13×3.71	33.38	1812	12148	0.0451
1300	659	42×3.71	19×3.71	33.38	1812	13142	0.0457
1300	659	33×3.71	28×3.71	33.38	1812	14055	0.0467
1400	709	54×3.85	7×3.85	34.63	1952	12056	0.0413
1400	709	48×3.85	13×3.85	34.63	1952	12905	0.0419

Continue Table

Size	Section	Stranding		Diameter	Weight	Nominal Breaking Load	Maximum DC Resistance at 20℃
AWG or MCM	mm²	AL	Alloy 6201	mm	kg/km	kg	Ω/km
1400	709	42×3.85	19×3.85	34.63	1952	13993	0.0425
1400	709	33×3.85	28×3.85	34.63	1952	15013	0.0434
1500	760	54×3.98	7×3.98	35.85	2090	12884	0.0385
1500	760	48×3.98	13×3.98	35.85	2090	13791	0.0391
1500	760	42×3.98	19×3.98	35.85	2090	14954	0.0397
1500	760	33×3.98	28×3.98	35.85	2090	16044	0.0405
1600	811	54×4.12	7×4.12	37.04	2231	13087	0.0361
1600	811	48×4.12	13×4.12	37.04	2231	14778	0.0366
1600	811	42×4.12	19×4.12	37.04	2231	16025	0.0371
1600	811	33×4.12	28×4.12	37.04	2231	17341	0.038
1700	861	54×4.24	7×4.24	38.15	2367	14623	0.034
1700	861	48×4.24	13×4.24	38.15	2367	15561	0.0345
1700	861	42×4.24	19×4.24	38.15	2367	16972	0.035
1700	861	33×4.24	28×4.24	38.15	2367	18366	0.0358
1750	887	54×4.3	7×4.30	38.73	2439	15039	0.033
1750	887	48×4.3	13×4.30	38.73	2439	16098	0.0335
1750	887	42×4.3	19×4.30	38.73	2439	17455	0.034
1750	887	33×4.3	28×4.30	38.73	2439	18889	0.0347
1800	912	54×4.36	7×4.36	39.28	2510	15462	0.0321
1800	912	48×4.36	13×4.36	39.28	2510	16550	0.0326
1800	912	42×4.36	19×4.36	39.28	2510	17946	0.033
1800	912	33×4.36	28×4.36	39.28	2510	19420	0.0338
1900	963	54×4.48	7×4.48	40.35	2649	16325	0.0304
1900	963	48×4.48	13×4.48	40.35	2649	17473	0.0309
1900	963	42×4.48	19×4.48	40.35	2649	18947	0.0313
1900	963	33×4.48	28×4.48	40.35	2649	20504	0.032
2000	1013	54×4.6	7×4.60	41.4	2790	17211	0.0289
2000	1013	48×4.6	13×4.60	41.4	2790	18422	0.0293
2000	1013	42×4.6	19×4.60	41.4	2790	19976	0.0297
2000	1013	33×4.6	28×4.60	41.4	2790	21617	0.0304
2000	1013	72×3.76	19×3.76	41.4	2790	18558	0.0293
2000	1013	63×3.76	28×3.76	41.4	2790	19657	0.0298
2000	1013	54×3.76	37×3.76	41.4	2790	21091	0.0302

ACAR-IEC Standard

Code name	Diameter/mm		No. of Wires		Area/mm²			Linear Mass kg/km	Nominal Breaking Load	Maximum DC Resistance at 20℃
	Wire	Cond.	AL	Alloy	AL	Alloy	Total			
16	1.76	5.29	4	3	9.78	7.33	17.1	46.8	4.07	1.7896
25	2.21	6.62	4	3	15.3	11.5	26.7	73.1	6.29	1.1453
40	2.79	8.37	4	3	24.4	18.3	42.8	117	9.82	0.7158
63	3.5	10.5	4	3	38.5	28.9	67.4	184.3	14.8	0.4545
100	4.41	13.2	4	3	61.1	45.8	107	292.5	23.49	0.2863
125	2.98	14.9	12	7	84	48.8	132	364.1	29.49	0.2302

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ACAR-IEC Standard

Continue Table

Code name	Diameter/mm		No. of Wires		Area/mm²			Linear Mass kg/km	Nominal Breaking Load	Maximum DC Resistance at 20℃
	Wire	Cond.	AL	Alloy	AL	Alloy	Total			
160	3.37	16.9	12	7	107	62.5	170	466.0	36.95	0.1798
200	3.77	18.8	12	7	134	78.1	212	582.5	44.78	0.1439
250	4.21	21.1	12	7	167	97.6	265	728.1	55.98	0.1151
250	3.05	21.4	18	19	132	139	271	746	64.67	0.1154
315	3.34	23.4	30	7	263	61.4	325	894.4	62.40	0.0916
315	3.43	24.0	18	19	166	175	341	940.0	81.48	0.0916
400	3.77	26.4	30	7	334	78	412	1135.8	76.82	0.0721
400	3.86	27.0	18	19	211	222	433	1193.7	100.30	0.0721
450	3.99	28.0	30	7	376	87.7	464	1277.8	86.42	0.0641
450	4.10	28.7	18	19	237	250	487	1342.9	112.84	0.0641
500	4.21	29.5	30	7	418	97.5	515	1419.8	96.03	0.0577
500	4.32	30.2	18	19	263	278	542	1492.1	125.38	0.0577
560	4.46	31.2	30	7	468	109	577	1590.1	107.55	0.0515
560	3.45	31.1	54	7	505	65.5	570	1573.9	103.53	0.0516
630	3.72	33.4	42	19	456	206	662	1826.0	134.59	0.0458
630	3.80	34.2	24	37	272	420	692	1909.0	169.14	0.0458
710	3.95	35.5	42	19	514	232	746	2057.8	151.68	0.0407
710	4.03	36.3	24	37	307	473	780	2151.4	190.61	0.0407
800	4.19	37.7	42	19	579	262	840	2318.7	170.9	0.0361
800	4.28	38.5	24	37	346	533	879	2424.2	214.78	0.0361
900	4.44	40.0	42	19	651	294	945	2608.5	192.27	0.0321
900	3.66	40.3	54	37	569	390	959	2649.5	207.79	0.0321
1000	3.80	41.8	72	19	818	216	1034	2855.4	195.47	0.0289
1000	3.86	42.5	54	37	632	433	1066	2943.9	230.88	0.0289
1120	4.02	44.3	72	19	916	242	1158	3198.1	218.92	0.0258
1120	4.09	45.0	54	37	708	485	1194	3297.2	258.58	0.0258
1250	4.25	46.8	72	19	1022	270	1292	3569.3	244.33	0.0231
1250	4.32	47.5	54	37	791	542	1332	3679.9	288.6	0.0231
1400	4.50	49.5	72	19	1145	302	1447	3997.6	273.65	0.0207

All Aluminium Clad Steel Conductor (JLB1A JLB1B)-GB Standard

Nom. St area mm²	Code name	Area /mm²	No.of stranding	Diameter/mm		Linear Mass kg/km		Nominal Breaking Load kN		Maximum DC Resistance at 20℃
				Wire	Cond.	JLB1A	JLB1B	JLB1A	JLB1B	
15	4	12	7	1.48	4.43	80.1	79.4	16.08	15.84	7.1592
20	6.3	18.9	7	1.85	5.56	126.2	125.0	25.33	24.95	205455
30	10	30	7	2.34	7.01	200.3	198.5	40.20	39.60	2.8637
35	12.5	37.5	7	2.61	7.84	250.4	248.1	50.25	49.50	2.2910
50	16	48	7	2.95	8.86	320.5	317.5	64.32	63.36	1.7898
75	25	75	7	3.69	11.08	500.7	496.2	93.75	99.00	1.1455
120	40	120	7	4.67	14.02	801.2	793.9	132.00	158.40	0.7159
120	40	120	19	2.84	14.18	805.0	797.7	160.80	158.40	0.7194
200	63	189	19	3.56	17.79	1267.9	1256.4	240.03	249.40	0.4568
300	100	300	37	3.21	22.49	2017.3	1999.0	402.00	396.00	0.2884
350	125	375	37	3.59	25.15	2521.7	2498.3	476.25	495.00	0.2307
450	160	480	37	4.06	28.45	3227.7	3198.3	580.80	633.60	0.1803
600	200	600	37	4.54	31.81	4034.7	3997.9	684.00	792.00	0.1442
600	200	600	61	3.54	31.85	4040.6	4003.8	762.00	792.00	0.1444

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All Aluminium Clad Steel Conductor(JLB2)-GB Standard

Nom. St area mm²	Code name	Area /mm²	No.of stranding	Diameter/mm		Linear Mass kg/km	Nominal Breaking Load kN	Maximum DC Resistance at 20℃
				Wire	Cond.			
35	16	36 2	7	2.56	7.69	216.4	39.04	1.7896
55	25	56 5	7	3.21	9.62	338.2	61.00	1.1454
100	40	90 4	7	4.05	12.2	541.7	97.61	0.7159
100	40	90 4	19	2.46	12.3	743.7	97.61	0.7193
150	63	142	19	3.09	15.4	856.4	153.73	0.4567
220	100	226	37	2.79	19.5	1362.6	244.02	0.2884
300	125	282	37	3.12	21.8	1703.2	305.02	0.2307
350	160	362	37	3.53	24.7	2180.1	390.43	0.1803
450	200	452	37	3.94	27.6	2725.1	488.03	0.1442
450	200	452	61	3.7	27.6	2729.1	488.03	0.1444

ACSR/AW-ASTM Standard

Code Name	Conductor Size				Class	Stranding						Nominal Breaking Load		Linear Mass	
	Cross-sectional Area Using Only Aluminum Strand Wires		Approximate Cross-sectional Area including Nominal Aluminum Area in AW Strand Wires[B]			AL			AL Clad Steel			(1000 lbf)	kN	Lb/ 1000 ft	kg/km
						No . of Wires	Nom. Diameter		No . of Wires	Nom. Diameter					
	cmil	mm²	cmil	mm²			in.	mm							
#2(4/3)	55890	28.3	60100	30.5	AA(+)	4	0.1182	3.00	3	0.1182	3.00	6.6	29	147	219
#3 Swallow /AW	52620	26.7	53900	27.3	A	6	0.0937	2.38	1	0.0937	2.38	2.2	10	69	103
#1(2/5)	51500	26.1	64600	32.7	AA(+)	2	0.1605	4.08	5	0.1605	4.08	16.5	73	341	507
#2(3/4)	49780	25.2	56500	28/.6	AA(+)	3	0.1288	3.27	4	0.1288	3.27	9.7	43	197	293
#3(5/2)	47850	24.3	49900	25.3	AA(+)	5	0.0978	2.48	2	0.0978	2.48	3.5	16	88	131
#3(4/3)	44320	22.5	47200	23.9	AA(+)	4	0.1053	2.68	3	0.1053	2.68	5.3	23	117	174
#4 Swanate /AW	41740	21.2	43000	21.8	AA,A	7	0.0772	1.96	1	0.1029	2.61	2.3	10	62.7	93
#4Swan /AW	41740	21.2	42700	21.6	AA,A	6	0.0834	2.12	1	0.0834	2.12	1.8	8	54.5	81
#2(2/5)	40840	20.7	51000	25.8	AA(+)	2	0.1429	3.63	5	0.1429	3.63	13.5	60	270	402
#3(3/4)	39470	20.0	44100	22.3	AA(+)	3	0.1147	2.91	4	0.1147	2.91	7.7	34	156	232
#4(5/2)	37950	19.2	39500	20.0	AA(+)	5	0.0871	2.21	2	0.0871	2.21	2.8	12	69.8	104
#4(4/3)	35150	17.8	37600	19.1	AA(+)	4	0.0937	2.38	3	0.0937	2.38	4.2	19	92.6	138
#3(2/5)	32390	16.4	39900	20.2	AA(+)	2	0.1273	3.23	5	0.1273	3.23	11.3	50	215	320
#4(3/4)	31300	15.9	35100	17.8	AA(+)	3	0.1022	2.60	4	0.1022	2.60	6.1	27	124	185
#4(2/5)	25690	13.0	32300	16.4	AA(+)	2	0.1133	2.88	5	0.1133	2.88	9.0	40	170	253

A Metric Coriversion Factors-the following conversion factors were used in building the table.
1cmil=5.067 E-04mm2 1in=25.4mm 1lb/1000ft=1.488kg/km 1kip(1000lbf)=4.448kN
B The cmil area of the aluminum in the aluminum clad steel wire is calculated based on the requirement that the minimum thickness of aluminum is 10% of the nominal wire radius (as per Specification B 502 requirements for the aluminum clad steel wire component). The approximate total cross-sectional area for both the aluminum strands and the aluminum in the aluminum clad steel strands is provided for information purposed only.

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ACSR/AW-ASTM Standard

Continue Table

Code Name	Conductor Size				Class	Stranding						Nominal Breaking Load		Linear Mass	
	Cross-sectional Area Using Only Aluminum Strand Wires		Approximate Cross-sectional Area including Nominal Aluminum Area in AW Strand Wires[B]			AL			AL Clad Steel			(1000 lbf)	kN	Lb/ 1000 ft	kg/km
						No . of Wires	Nom. Diameter		No . of Wires	Nom. Diameter					
	cmil	mm²	cmil	mm²			in.	mm		in.	mm				
#3/0Pigeon/AW	167800	85.0	170700	86.5	AA,A	6	0.1672	4.25	1	0.1672	4.25	6.3	28	219	326
Guinea/AW	159000	80.6	168000	85.1	AA(+)	12	0.1151	2.92	7	0.1151	2.92	15.3	68	359	534
#3/0(5/2)	152500	77.3	159000	80.6	AA(+)	5	0.1747	4.44	2	0.1747	4.44	9.7	43	281	418
#3/0(12/7)	141300	71.6	151300	76.7	AA(+)	4	0.1880	4.78	3	0.1880	4.78	14.2	63	373	555
leghorn/AW	134600	68.2	142700	72.3	AA(+)	12	0.1059	2.69	7	0.1059	2.69	13.0	58	304	452
#2/0Quail /AW	133100	67.4	135200	68.5	AA,A	6	0.1489	3.78	1	0.1489	3.78	5.1	23	174	259
#2.0(5/2)	121000	61.3	125700	63.7	AA(+)	5	0.1556	3.95	2	0.1556	3.95	8.0	36	223	332
#2/0(4/3)	112100	56.8	120200	60.9	AA(+)	4	0.1674	4.25	3	0.1674	4.25	11.9	53	296	441
Minorca/AW	110800	56.1	117300	59.4	AA(+)	12	0.0961	2.44	7	0.0961	2.44	10.8	48	250	372
#1/0Raven /AW	105600	53.5	107700	54.6	AA,A	6	0.1327	3.37	1	0.1327	3.37	4.3	19	138	205
Petrel/AW	101800	51.6	107800	54.6	AA(+)	12	0.0921	2.34	7	0.0921	2.34	9.9	44	230	342
#2/0(3/4)	99830	50.6	113000	57.3	AA(+)	3	0.1824	4.63	4	0.1824	4.63	16.4	73	395	588
#1/0(5/2)	95910	48.6	99700	50.5	AA(+)	5	0.1385	3.52	2	0.1385	3.52	6.6	29	177	263
#1/0(4/3)	88800	45.0	95500	48.4	AA(+)	4	0.1490	3.79	3	0.1490	3.79	9.7	43	234	348
#1 Robin /AW	83690	42.4	85400	43.3	AA,A	6	0.1181	3.00	1	0.1181	3.00	3.5	15	109	162
Grouse/AW	80000	40.5	82700	41.9	AA(+)	8	0.1000	2.54	1	0.1670	4.24	4.9	22	138	205
#1/0(3/4)	79130	40.1	89300	45.2	AA(+)	3	0.1624	4.13	4	0.1624	4.13	13.8	61	313	466
#1(5/2)	76080	39.6	79000	40.0	AA(+)	5	0.1234	3.13	2	0.1234	3.13	5.5	24	140	208
#1(4/3)	70480	35.7	75200	38.1	AA(+)	4	0.1327	3.37	3	0.1327	3.37	8.1	36	186	277
#2 Sparate/AW	66360	33.6	67600	34.3	AA,A	7	0.0974	2.47	1	0.1299	3.30	3.5	16	100	149
#2 Sparrow/AW	66360	33.6	67100	34.0	AA,A	6	0.1052	2.67	1	0.1052	2.67	2.8	12	87	129
#1/0(2/5)	64920	32.9	80800	40.9	AA(+)	2	0.1802	4.58	5	0.1802	4.58	19.5	87	430	640
#1(3/4)	62770	31.8	71200	36.1	AA(+)	3	0.1446	3.67	4	0.1446	3.67	11.2	50	248	369
#2(5/2)	60340	30.6	62400	31.6	AA(+)	5	0.1099	2.79	2	0.1099	2.79	4.4	19	111	165
Egret/AW	636000	322	650200	329	AA	30	0.1456	3.70	19	0.0874	2.22	29.9	133	928	1381
Sooter/AW	636000	322	650500	330	AA	30	0.1456	3.70	7	0.1456	3.70	29.3	130	935	1391
Grosbeak /AW	636000	322	646100	327	AA	26	0.1564	3.97	7	0.1216	3.09	24.8	110	832	1238
Rook/AW	636000	322	644000	326	AA	24	0.1628	4.14	7	0.1085	2.76	22.0	98	785	1168
Swift/AW	636000	322	637700	323	AA	36	0.1329	3.38	1	0.1329	3.38	13.6	61	636	946
Kingbird /AW	636000	322	639400	324	AA	18	0.1880	4.78	1	0.1880	4.78	15.0	67	676	1006
Teal/AW	605000	307	618400	313	AA	30	0.1420	3.61	19	0.0852	2.16	28.5	127	883	1314
Wood Duck /AW	605000	307	618800	314	AA	30	0.1420	3.61	7	0.1420	3.61	28.4	126	889	1323
Squab/AW	605000	307	614600	311	AA	26	0.1525	3.87	7	0.1186	3.01	23.6	105	791	1177
Peacock /AW	605000	307	612700	310	AA	24	0.1588	4.03	7	0.1059	2.69	21.0	93	747	1112
Eagle/AW	556500	282	569700	289	AA	30	0.1362	3.46	7	0.1362	3.46	26.8	119	818	1217
Dove/AW	556500	282	564800	286	AA	26	0.1463	3.72	7	0.1138	2.89	21.9	97	728	1083
Parakeet /AW	556500	282	564000	286	AA	24	0.1523	3.87	7	0.1015	2.58	19.3	86	687	1022
Ospray /AW	556500	282	559000	283	AA	18	0.1758	4.47	1	0.1758	4.47	13.2	59	591	880
Hen/AW	477000	242	487900	247	AA	30	0.1261	3.20	7	0.1261	3.20	23.4	104	701	1043
Hawk/AW	477000	242	484600	246	AA	26	0.1354	3.44	7	0.1053	2.68	18.9	84	624	929

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ACSR/AW-ASTM Standard

Continue Table

Code Name	Conductor Size				Class	Stranding						Nominal Breaking Load		Linear Mass	
	Cross-sectional Area Using Only Aluminum Strand Wires		Approximate Cross-sectional Area including Nominal Aluminum Area in AW Strand Wires[B]			AL			AL Clad Steel						
						No . of Wires	Nom. Diameter		No . of Wires	Nom. Diameter		(1000 lbf)	kN	Lb/ 1000 ft	kg/km
	cmil	mm^2	cmil	mm^2			in.	mm		in.	mm				
Flicker/AW	477000	242	483000	245	AA	24	0.1410	3.58	7	0.0940	2.39	16.7	74	589	877
Pelican/AW	477000	242	479600	243	AA	18	0.1628	4.14	1	0.1628	4.14	11.5	51	507	755
Lark/AW	397500	201	406000	206	AA	30	0.1151	2.92	7	0.1151	2.92	19.6	87	584	869
Ibis/AW	397500	201	403300	204	AA	26	0.1236	3.14	7	0.0961	2.44	15.8	70	520	774
Brant/AW	397500	201	403000	204	AA	24	0.1287	3.27	7	0.0858	2.18	14.1	63	491	731
Chickadee /AW	397500	201	399200	202	AA	18	0.1486	3.77	1	0.1486	3.77	9.8	44	422	628
Oriole/AW	336400	170	343700	174	AA	30	0.1059	2.69	7	0.1059	2.69	16.7	74	495	737
Linnet/AW	336400	170	341300	173	AA	26	0.1137	2.89	7	0.0884	2.25	13.5	60	440	655
Merlin/AW	336400	170	337800	171	AA	189	0.1367	3.47	1	0.1367	3.47	8.5	38	357	531
Ostrich/AW	300000	152	304800	154	AA	26	0.1074	2.73	7	0.0835	2.12	12.1	54	392	583
Partridge /AW	266800	135	271200	137	AA	26	0.1013	2.57	7	0.0788	2.00	10.8	48	349	519
Waxwing /AW	266800	135	268400	136	AA	18	0.1217	3.09	1	0.1217	3.09	6.8	30	283	421
#4/0 Penguin /AW	211600	107	215400	109	AA,A	6	0.1878	4.77	1	0.1878	4.77	7.7	34	277	412
Cochin/AW	211300	107	223000	113	AA(+)	12	0.1327	3.37	7	0.1327	3.37	19.8	88	477	710
Brahma/AW	203200	103	220700	112	AA(+)	16	0.1127	2.86	19	0.0977	2.48	27.1	121	601	894
Dorking/AW	190800	96.7	201900	102	AA(+)	12	0.1261	3.20	7	0.1261	3.20	18.3	81	431	641
Dotterel/AW	176900	89.6	187100	95	AA(+)	12	0.1214	3.08	7	0.1214	3.08	16.9	75	399	594
Thrasher /AW	2312000	1171	2324300	1178	AA	76	0.1744	4.43	19	0.0814	2.07	55.3	246	2472	3679
Kiwi/AW	2167000	1098	2176100	1103	AA	72	0.1735	4.41	7	0.1157	2.94	49.1	218	2262	3366
Bluebird /AW	2156000	1092	2173100	1101	AA	84	0.1602	4.07	19	0.0961	2.44	59.0	262	2437	3627
Chukar/AW	1780000	902	1795200	910	AA	84	0.1456	3.70	19	0.0874	2.22	49.4	220	2013	2993
Falcon/AW	1590000	806	1609800	816	AA	54	0.1716	4.36	19	0.1030	2.62	53.0	236	1960	2917
Lapwing/AW	1590000	806	1601200	811	AA	45	0.1880	4.78	7	0.1253	3.18	41.8	186	1746	2598
Parrot/AW	1510500	765	1528200	774	AA	54	0.1672	4.25	19	0.1003	2.55	50.3	224	1860	2768
Nuthatch /AW	1510500	765	1520500	770	AA	45	0.1832	4.65	7	0.1221	3.10	39.7	177	1658	2467
Plover/AW	1431000	725	1448900	734	AA	54	0.1628	4.14	19	0.0977	2.48	47.7	212	1764	2625
Bobolink /AW	1431000	725	1440200	730	AA	45	0.1783	4.53	7	0.1189	3.02	37.6	167	1570	2336
Martin/AW	1351500	685	1367700	693	AA	54	0.1582	4.02	19	0.0949	2.41	45.1	201	1665	2478
Dipper/AW	1351500	685	1360100	689	AA	45	0.1733	4.40	7	0.1155	2.93	35.5	158	1483	2207
Pheasant /AW	1272000	645	1287700	652	AA	54	0.1535	3.90	19	0.0921	2.34	42.4	189	1568	2333
Bittern/AW	1272000	645	1280600	649	AA	45	0.1681	4.27	7	0.1121	2.85	33.4	149	1396	2078
Skylark/AW	1272000	645	1275400	646	AA	36	0.1880	4.78	1	0.1880	4.78	25.7	114	1272	1893
Grackle/AW	1192500	604	1206700	611	AA	54	0.1486	3.77	19	0.0892	2.27	40.2	179	1470	2188
Bunting/AW	1192500	604	1201000	609	AA	45	0.1628	4.14	7	0.1085	2.76	31.3	139	1309	1948
Finch/AW	1113000	564	1127800	571	AA	54	0.1436	3.65	19	0.0862	2.19	37.5	167	1373	2043
Bluejay/AW	1113000	564	1120500	568	AA	45	0.1573	4.00	7	0.1049	2.66	29.3	130	1222	1819
Curlew/AW	1033500	524	1046100	530	AA	54	0.1383	3.51	7	0.1383	3.51	35.6	158	1274	1896
Ortolan/AW	1033500	524	1040000	527	AA	45	0.1515	3.85	7	0.1010	2.57	27.1	121	1134	1688
Tanager /AW	1033500	524	1035800	525	AA	36	0.1694	4.30	1	0.1694	4.30	21.1	94	1033	1537
Cardinal /AW	954000	483	966100	490	AA	54	0.1329	3.38	7	0.1329	3.38	32.9	146	1177	1752

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Continue Table

Code Name	Conductor Size				Class	Stranding						Nominal Breaking Load		Linear Mass	
	Cross-sectional Area Using Only Aluminum Strand Wires		Approximate Cross-sectional Area including Nominal Aluminum Area in AW Strand Wires[B]			AL			AL Clad Steel			(1000 lbf)	kN	Lb/ 1000 ft	kg/km
						No . of Wires	Nom. Diameter		No . of Wires	Nom. Diameter					
	cmil	mm²	cmil	mm²			in.	mm		in.	mm				
Rail/AW	954000	483	960400	487	AA	45	0.1456	3.70	7	0.0971	2.47	25.4	113	1047	1558
Catbrid/AW	954000	483	956600	485	AA	36	0.1628	4.14	1	0.1628	4.14	19.5	87	954	1420
Canary/AW	900000	456	911400	462	AA	54	0.1291	3.28	7	0.1291	3.28	31.0	138	1111	1653
Ruddy/AW	900000	456	906100	459	AA	45	0.1414	3.59	7	0.0943	2.40	24.0	107	988	1470
Mailary/AW	795000	403	812700	412	AA	30	0.1628	4.14	19	0.0977	2.48	37.1	165	1160	1726
Condor/AW	795000	403	805000	408	AA	54	0.1213	3.08	7	0.1213	3.08	27.8	124	980	1458
Tern/AW	795000	403	800400	406	AA	45	0.1329	3.38	7	0.0886	2.25	21.5	96	872	1298
Drake/AW	795000	403	807600	409	AA	26	0.1749	4.44	7	0.1360	3.45	30.5	136	1041	1549
Cuckoo/AW	795000	403	805000	408	AA	24	0.1820	4.62	7	0.1213	3.08	27.5	122	981	1460
Coot/AW	795000	403	797200	404	AA	36	0.1486	3.77	1	0.1486	3.77	16.6	74	795	1183
Redwing /AW	715500	363	730900	370	AA	30	0.1544	3.92	19	0.0926	2.35	33.4	149	1043	1552
Starling/AW	715500	363	727400	369	AA	26	0.1659	4.21	7	0.1290	3.28	27.5	122	936	1393
Stilt/AW	715500	363	725000	367	AA	24	0.1727	4.39	7	0.1151	2.92	24.8	110	883	1314
Gannet/AW	666600	338	676600	343	AA	26	0.1601	4.07	7	0.1245	3.16	26.0	116	872	1298
Flamingo /AW	666600	338	675400	342	AA	24	0.1667	4.23	7	0.1111	2.82	23.1	103	823	1225

ACSR/AW-IEC Standard

Nom. Area AL/AL clad St mm²	Code Name	St/ %	Area/mm²			No. of Wires		Wire Dia./mm		Diameter/mm		Linear Mass kg/km	Nominal Breaking Load kN	Max. DC Resistance at 20 ℃ Ω/km
			AL	AL clad St	Total	AL	AL	clad St	AL	AL clad St	AL clad St core			
15/3	16	16.7	15	2.56	17.9	6	1	1.81	1.81	1.81	5.43	59.0	5.91	1.7923
24/4	25	16.7	24	4.00	28.0	6	1	2.26	2.62	2.26	6.78	92.1	9.00	1.1471
38/5	40	16.7	38	6.40	44.8	6	1	2.85	2.85	2.85	8.55	147.4	14.21	0.7169
60/10	63	16.7	60	10.08	70.6	6	1	3.58	3.58	3.58	10.7	232.2	21.17	0.4552
95/15	100	16.7	96	16.00	112	6	1	4.51	4.51	4.51	13.5	368.6	31.84	0.2868
125/5	125	5.6	123	6.85	130	18	1	2.95	2.95	2.95	14.8	384.3	29.18	0.2304
120/20	125	16.3	120	19.6	140	26	7	2.43	1.89	5.66	15.4	460.8	44.49	0.2308
160/10	160	5.6	158	8.77	167	18	1	3.34	3.34	3.34	16.7	491.9	36.38	0.1800
155/25	160	16.3	154	25.00	179	26	7	2.74	2.13	6.40	17.4	589.8	56.18	0.1803
200/10	200	5.6	197	10.96	208	18	1	3.74	3.74	3.74	18.7	614.9	43.62	0.1440
200/30	200	16.3	192	31.3	223	26	7	3.07	2.39	7.16	19.4	737.2	69.27	0.1443
250/25	250	9.8	244	24.0	268	22	7	3.76	2.09	6.26	21.3	830.9	67.80	0.1153
250/40	250	16.3	240	39.1	279	26	7	3.43	2.67	8.00	21.7	921.5	86.58	0.1154
310/20	315	6.9	310	21.4	331	45	7	2.96	1.97	5.92	23.7	996.4	78.33	0.0917
300/50	315	16.3	303	49.3	352	26	7	3.85	2.99	8.98	24.4	1161.1	107.58	0.0916
395/25	400	6.9	393	27.2	420	45	7	3.34	2.22	6.67	26.7	1265.3	97.50	0.0722
387/50	400	13.0	387	50.2	438	54	7	3.02	3.02	9.07	27.2	1402.9	124.20	0.0723
440/30	450	6.9	442	30.6	473	45	7	3.54	2.36	7.08	28.3	1423.4	107.48	0.0642
435/35	450	13.0	436	36.5	492	54	7	3.21	3.21	9.62	28.9	1578.2	139.7	0.0642
490/35	500	6.9	492	34.0	525	45	7	3.73	2.49	7.46	29.8	1581.6	119.4	0.0578

ACSR/AW-IEC Standard

Continue Table

Nom. Area AL/AL clad St mm²	Code Name	St/ %	Area/mm²			No. of Wires		Wire Dia./mm		Diameter/mm		Linear Mass kg/km	Nominal Breaking Load kN	Max. DC Resistance at 20 ℃ Ω/km
			AL	AL clad St	Total	AL	AL	clad St	AL	AL clad St	AL clad St core			
485/60	500	13.0	484	62.8	547	54	7	3.38	3.38	10.14	30.4	1753.6	153.9	0.0578
550/40	560	3.9	550	38.1	589	45	7	3.95	2.63	7.89	31.6	1771.4	133.7	0.0516
545/70	560	12.7	543	68.8	612	54	19	3.58	2.15	10.73	32.2	1956.3	169.3	0.0516
620/40	630	6.9	619	42.8	662	45	7	4.19	2.79	8.37	33.5	1992.8	150.47	0.0458
610/75	630	12.7	611	77.3	688	54	19	3.79	2.28	11.38	34.2	2200.9	190.5	0.0459
700/50	710	6.9	698	48.3	746	45	7	4.44	2.96	8.89	35.6	2245.8	169.5	0.0407
700/85	710	12.7	688	87.2	775	54	19	4.03	2.42	12.08	36.3	2480.3	214.7	0.0407
790/35	800	4.3	791	34.2	826	72	7	3.74	2.49	7.48	37.4	2412.8	167.6	0.0631
785/65	800	8.3	784	65.3	849	84	7	3.45	3.45	10.34	37.9	2598.9	206.3	0.0362
775/100	800	12.7	775	98.2	874	54	19	4.28	2.57	12.83	38.5	2794.7	241.9	0.0361
900/40	900	4.3	890	38.5	929	72	7	3.97	2.65	7.94	39.7	2714.4	188.63	0.0321
880/75	900	8.3	882	73.5	955	84	7	3.66	3.66	10.97	40.2	2923.8	224.8	0.0321
990/45	1000	4.3	989	42.7	1032	72	7	4.18	2.79	8.37	41.8	3016.0	209.5	0.0289
1110/45	1120	4.2	1108	46.8	1155	72	19	4.43	1.77	8.85	44.3	3372.4	233.4	0.0258
1100/90	1120	8.1	1098	89.4	1187	84	19	4.08	2.45	12.24	44.9	3628.4	282.8	0.0258
1235/50	1250	4.2	1237	52.2	1289	72	19	4.68	1.87	9.35	46.8	3764.1	260.5	0.0231
1225/100	1250	8.1	1225	99.8	1325	84	19	4.31	2.59	12.93	47.4	4049.5	315.7	0.0231

AACSR/AW(JLHA1/LB1A)-GB Standard

Nom. Area AL/AL clad St mm²	St/ %	Area/mm²			No. of Wires		Wire Dia./mm		Diameter/mm		Linear Mass kg/km	Nominal Breaking Load kN	Max. DC Resistance at 20 ℃ Ω/km
		AL	AL clad St	Total	AL	AL	clad St	AL	AL clad St	AL clad St core			
16	16.7	17.7	2.96	20.7	6	1	1.94	1.94	1.94	5.82	68.1	9.31	1.7691
25	16.7	27.7	4.62	32.3	6	1	2.42	2.42	2.41	7.26	106.4	14.54	1.1323
40	16.7	44.3	7.39	51.7	6	1	3.07	3.07	3.07	9.21	170.2	23.27	0.7077
63	16.7	69.8	11.6	81.4	6	1	3.85	3.85	3.85	11.6	268.0	34.79	0.4493
100	16.7	110	18.5	129	6	1	4.85	4.85	4.85	14.6	425.5	53.38	0.2831
125	5.6	143	7.94	151	18	1	3.18	3.18	3.18	15.9	445.5	55.97	0.2293
125	16.3	139	22.6	161	26	7	2.61	2.03	6.08	16.5	532.0	72.17	0.2279
160	5.6	183	10.2	193	18	1	3.60	3.60	3.60	18.0	570.3	69.21	0.1792
160	16.3	178	28.9	206	26	7	2.95	2.29	2.29	18.7	680.9	92.38	0.1781
200	5.6	229	12.7	241	18	1	4.02	4.02	4.02	20.1	712.8	86.00	0.1433
200	16.3	222	36.1	358	26	7	3.30	2.56	7.69	20.9	851.2	115.4	0.1424
250	9.8	282	27.7	310	22	7	4.04	2.25	6.74	22.9	961.7	122.25	0.1144
250	16.3	277	45.2	323	26	7	3.69	2.87	8.60	23.4	1064.0	141.5	0.1140
315	6.9	359	24.8	384	45	7	3.19	2.12	6.37	25.5	1154.6	146.3	0.0912
315	16.3	349	56.9	406	26	7	4.14	3.22	9.65	26.2	1340.6	178.38	0.0904
400	6.9	456	31.5	487	45	7	3.59	2.39	7.18	28.7	1466.1	181.32	0.0718
400	13.0	448	58.1	506	54	7	3.25	3.25	9.75	29.3	1621.6	215.22	0.0715
450	6.9	513	35.4	548	45	7	3.81	2.54	7.62	30.5	1649.4	203.99	0.0638
450	13.0	504	65.3	569	54	7	3.45	3.45	10.3	31.0	1824.3	240.8	0.0636
500	3.9	570	39.4	609	45	7	4.01	2.68	8.03	32.1	1832.6	226.6	0.0574
500	13.0	560	72.6	632	54	7	3.63	3.63	10.9	32.7	2027.0	259.0	0.0572

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AACSR/AW(JLHA1/LB1A)-GB Standard

Continue Table

Nom. Area AL/AL clad St mm²	St/ %	Area/mm²			No. of Wires		Wire Dia./mm		Diameter/mm		Linear Mass kg/km	Nominal Breaking Load kN	Max. DC Resistance at 20 ℃ Ω/km
		AL	AL clad St	Total	AL	AL	clad St	AL	AL clad St	AL clad St core			
560	6.9	638	44.1	682	45	7	4.25	2.83	8.50	34.0	2052.6	253.8	0.0513
560	12.7	638	79.5	707	54	19	3.85	2.31	11.5	34.6	2261.6	293.0	0.0511
630	3.9	718	49.6	767	45	7	4.51	3.00	9.01	36.1	2309.1	285.58	0.0456
630	12.7	706	89.4	795	54	19	4.08	2.45	12.2	36.7	2544.3	329.6	0.0454
710	6.9	809	55.9	865	45	7	4.78	3.19	9.57	38.3	2602.3	321.8	0.0405
710	12.7	796	101	896	54	19	4.33	2.60	13.0	39.0	2867.4	371.5	0.0403
800	4.3	918	39.7	958	72	7	4.03	2.69	8.06	40.3	2798.8	336.7	0.0360
800	8.3	908	75.6	983	84	7	3.71	3.71	11.1	40.8	3010.8	369.1	0.0359
800	12.7	896	114	1010	54	19	4.60	2.76	13.8	41.4	3230.9	418.6	0.0358
900	4.3	1033	44.6	1077	72	7	4.27	2.85	8.55	42.7	3148.6	378.9	0.0320
900	8.3	1021	85.1	1106	84	7	3.9	3.93	11.8	43.2	3386.3	415.2	0.0319
1000	4.3	1148	49.6	1197	72	7	4.50	3.00	9.01	45.0	3498.5	420.9	0.0288
1120	4.2	1286	54.3	1340	72	19	4.77	1.91	9.54	47.7	3912.3	470.1	0.0257
1120	8.1	1271	104	1375	84	19	4.39	2.63	13.2	48.3	4202.7	524.73	0.0257
1250	4.2	1435	60.6	1495	72	19	5.04	2.01	10.1	50.4	4366.4	524.6	0.0231
1250	8.1	1419	116	1535	84	19	4.64	2.78	13.9	51.0	4690.5	585.6	0.0230

BARE COPPER STRANDED CONDUCTOR(HARD DRAWN)-ASTM Standard

Class B										
Size	Section		Number of Wires	Wire Diameter	Conductor Diameter	Max. DC Resistance at 20 ℃ Ω/km	Min.Wire Elongation Before Stranding	Min. Tensile Strength	Min. Tensile Strength After Stranding	Total Weight
AWG/MCM	Cmils	mm²		mm	mm	Ω/km	%	kg/mm	kg	kg/km
6	26240	13.3	7	1.56	4.67	1.38	1.0	46.4	555	121
4	41740	21.1	7	1.96	5.88	0.865	1.1	46.4	883	192
2	66360	33.6	7	2.47	7.42	0.544	1.2	45.4	1373	305
1/0	105600	53.5	19	1.89	9.47	0.342	1.1	46.4	2234	485
2/0	133100	67.4	19	2.13	10.6	0.271	1.1	45.9	2785	611
4/0	211600	107.2	19	2.68	13.4	0.171	1.2	45.4	4379	972
250	250000	126.7	37	2.09	14.6	0.144	1.1	45.9	5231	1149
300	300000	152.0	37	2.29	16.0	0.120	1.1	45.9	6278	1379
350	350000	177.3	37	2.47	17.3	0.103	1.2	45.4	7243	1609
400	400000	202.7	37	2.64	18.5	0.090	1.2	45.4	8277	1838
500	500000	253.4	37	2.95	20.7	0.072	1.3	44.9	10230	2298
600	600000	304.0	61	2.52	22.7	0.060	1.2	45.4	12416	2758
700	700000	354.7	61	2.72	24.5	0.052	1.2	45.4	14485	3216
750	750000	380.0	61	2.82	25.3	0.048	1.2	45.4	15520	3447
800	800000	405.4	61	2.91	26.2	0.045	1.3	44.9	16369	3676
900	900000	456.0	61	3.09	27.8	0.040	1.3	44.9	18415	4136
1000	1000000	506.7	61	3.25	29.3	0.036	1.3	44.9	20461	4596

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

BARE COPPER STRANDED CONDUCTOR (HARD DRAWN)-IEC Standard

Nominal Sectional Area	Number &Diameter of Wire	Overall Diameter	Maximum DC Resistance at 20℃	Breaking Strength	Allowable Ampacities in Free Air	Approx. Weight
mm²	No./mm	mm	Ω/km	Kgf	A	kg/km
10	7/1.35	4.05	1.8054	438	90	90
16	7/1.70	5.10	1.1385	694	125	143
25	7/2.14	6.42	0.7185	1076	160	227
35	7/2.52	7.56	0.5181	1459	200	314
50	7/3.02	9.06	0.3589	2095	250	452
50	19/1.78	8.90	0.3825	2021	250	428
70	19/2.14	10.70	0.2646	2921	310	618
95	19/2.52	12.60	0.1918	3961	380	858
120	19/2.85	14.25	0.1492	5067	440	1097
150	37/2.25	15.75	0.1238	6289	510	1334
185	37/2.52	17.64	0.0981	7713	585	1673
240	61/2.25	20.25	0.0752	10369	700	2200
300	61/2.52	22.68	0.0600	12717	800	2760
400	61/2.85	25.65	0.0469	16266	900	3350
500	61/3.20	28.80	0.0370	20506	111	4451

Aerial Insulated Cable (ABC)

Aerial Insulated Cable with rated voltage 1kV and below

Application

The cables ard designed for aerial power lines and room-entrance wires with AC rated voltage 1kV and below.

Manufacturing standards

ASTM ICEA BS IEC NFC GB AS/NZS etc.

Operating features

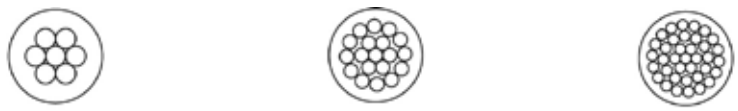
Rated voltage Uo/U is 0.6/1Kv

Max.Continuous permissive working temperature of conductor : PVC insulation should be not more than 70℃ ,and XPLE insulation should be not more than 90℃ .

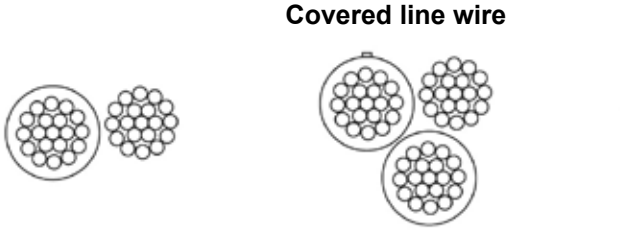
The installation temperature of cable should be not less than -20℃

When overall diameter of cable (D)is less than 25mm,permissive bending radius of cable should be not less than 4D.When overall diameter(D)of cable is equal to and above 25mm,permissive bending radius of cable should be not less than 6D.

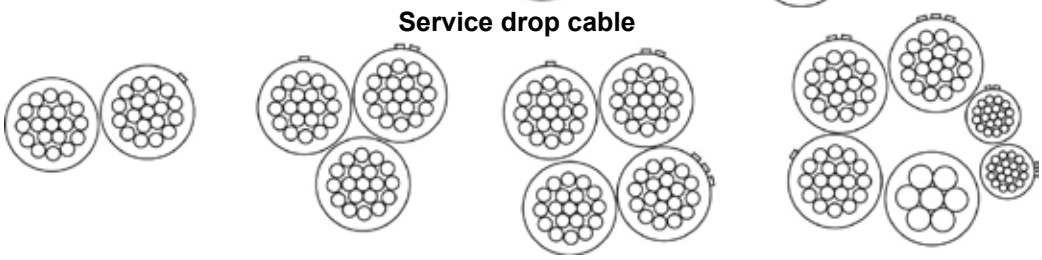
Description	Short name	Chinese type
Copper core PE insulated aerial cable	Covered line wire Service drop cable Secondary UD cable	JKY
Copper core XLPE insulated aerial cable		JKYJ
Aluminium core PE insulated aerial cable		JKLY
Aluminium core XLPE insulated aerial cable		JKLYJ
Aluminium alloy core PE insulated aerial cable		JKLHY
Aluminium alloy core XLPE insulated aerial cable		JKLHYJ



Covered line wire



Service drop cable



Secondary UD cable

Technical Parameter Gb Standard

Type	Nom. conductor cross section mm	DC conductor resistance at 20℃(Ω/km) ≤	MΩ.km Min. insulation resistance		Nom. Thickness of insulation mm	approx. OD mm	approx. Weight Kg/km	abruption force of cable N
			70℃	90℃				
JKY	1×16	1.198	0.0065	-	1.2	7.2	161	5486
	1×25	0.749	0.0054	-	1.2	8.4	244	8465
	1×35	0.540	0.0054	-	1.4	9.8	340	11731
	1×50	0.399	0.0046	-	1.4	11.1	474	16502
	1×70	0.276	0.0040	-	1.4	12.8	655	23461
	1×95	0.199	0.0039	-	1.6	14.8	888	31759
	1×120	0.158	0.0035	-	1.6	16.2	1110	39911
	1×150	0.128	0.0035	-	1.8	18.1	1385	49505
	1×185	0.1021	0.0035	-	2.0	20.3	1712	61846
	1×240	0.0777	0.0034	-	2.2	22.7	2213	79823
JKYJ	1×10	1.906	-	0.67	1.0	5.8	105	3471
	1×16	1.198	-	0.65	1.2	7.2	161	5486
	1×25	0.749	-	0.54	1.2	8.4	244	8465
	1×35	0.540	-	0.54	1.4	9.8	340	11731
	1×50	0.399	-	0.46	1.4	11.1	474	16502
	1×70	0.276	-	0.40	1.4	12.8	655	23461
	1×95	0.199	-	0.39	1.6	14.8	888	31759
	1×120	0.158	-	0.35	1.6	16.2	1110	39911
	1×150	0.128	-	0.35	1.8	18.1	1385	49505
	1×185	0.1021	-	0.35	2.0	20.3	1712	61846
	1×240	0.0777	-	0.34	2.2	22.7	2213	79823
JKLY	1×16	1.91	0.0065	-	1.2	7.2	66	2517
	1×25	1.20	0.0054	-	1.2	8.4	94	3762
	1×35	0.868	0.0054	-	1.4	9.8	130	5177
	1×50	0.641	0.0046	-	1.4	11.1	175	7011
	1×70	0.443	0.0040	-	1.4	12.8	235	10345
	195	0.320	0.0039	-	1.6	14.8	317	13727
	1×120	0.253	0.0035	-	1.6	16.2	390	17339
	1×150	0.206	0.0035	-	1.8	18.1	486	21033
	1×185	0.164	0.0035	-	2.0	20.3	600	26732
	1×240	0.125	0.0034	-	2.2	22.7	772	34679
JKLYJ	1×16	1.91	-	0.65	1.2	7.2	66	2512
	1×25	1.20	-	0.54	1.2	8.4	94	3762
	1×35	0.868	-	0.54	1.4	9.8	130	5177
	1×50	0.641	-	0.46	1.4	11.1	175	7011
	1×70	0.443	-	0.40	1.4	12.8	235	10345
	1×95	0.320	-	0.39	1.6	14.8	317	3727
	1×120	0.253	-	0.35	1.6	16.2	390	17339
	1×150	0.206	-	0.35	1.8	18.2	486	21033
	1×185	0.164	-	0.35	2.0	20.1	600	26732
	1×240	0.125	-	0.34	2.2	22.8	772	34679
JKLHY	1×16	2.217	0.0065	-	1.2	7.2	66	4022
	1×25	1.393	0.0054	-	1.2	8.4	94	6284
	1×35	1.007	0.0054	-	1.4	9.8	130	8800
	1×50	0.744	0.0046	-	1.4	11.1	175	12569
	1×70	0.514	0.0040	-	1.4	12.8	235	17396
	1×95	0.371	0.0039	-	1.6	14.8	317	23886
	1×120	0.294	0.0035	-	1.6	16.2	390	30164
	1×150	0.239	0.0035	-	1.8	18.1	486	37706
	1×185	0.19	0.0035	-	2.0	20.3	600	46503
	1×240	0.145	0.0034	-	2.2	22.7	772	60329
JKLHYJ	1×16	2.217	-	0.65	1.2	7.2	66	4022
	1×25	1.393	-	0.54	1.2	8.4	94	6284
	1×35	1.007	-	0.54	1.4	9.8	130	8800
	1×50	0.744	-	0.46	1.4	11.1	175	12569
	1×70	0.514	-	0.4	1.4	12.8	235	17396
	1×95	0.371	-	0.39	1.6	14.8	317	23886
	1×120	0.294	-	0.35	1.6	16.2	390	30164
	1×150	0.239	-	0.35	1.8	18.1	486	37706
	1×185	0.19	-	0.35	2.0	20.3	600	46503
	1×240	0.145	-	0.34	2.2	22.7	772	60329

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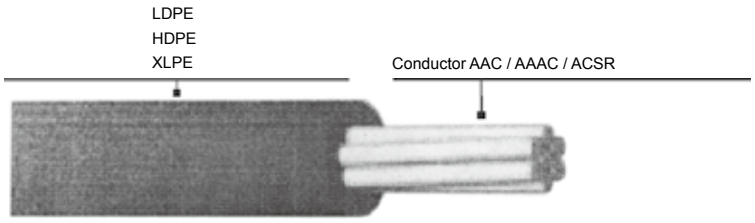


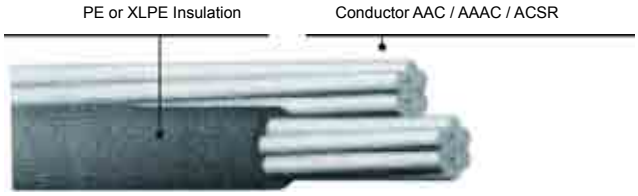
ASTM Standard Covered Line Wire

Code word	Size	No . of Wires	Insulation Thickness	Nominal Diameter mm		Rated Strength	Nominal Weight kg/km				Ampacity	Standard Package	
	AWG or Kcmil			Bare	O.D.		AL or Alloy	Total				Coils	Reels
			mm			kg		LDPE	HDPE	XLPE	A	m	M
AAC													
Plum	6	7	0.762	4.674	6.198	255	36.61	50.66	51.27	51.27	100	1000	3000
Apricot	4	7	0.762	5.715	7.239	400	58.19	75.57	76.33	76.33	135	500	2000
Peach	2	7	1.143	7.417	9.703	612	92.56	126.09	127.55	127.55	180	500	2000
Nectarine	1	7	1.143	8.328	11.481	789	116.67	167.31	169.52	169.52	210	305	1500
Quince	1/0	7	1.524	9.347	12.395	903	147.48	203.70	206.14	206.14	240	305	1000
Haw	1/0	19	1.524	9.474	12.522	980	147.48	204.49	209.96	206.96	240	305	1000
Orange	2/0	7	1.524	10.513	13.561	1139	186.02	257.90	261.02	261.02	280	-	1000
Ironwood	2/0	19	1.524	10.643	13.691	1211	186.02	250.41	253.21	253.21	280	-	1000
Fig	3/0	7	1.524	11.801	14.849	1377	233.64	315.53	319.08	319.08	320	-	1000
Lemon	3/0	19	1.524	11.938	14.986	1501	233.64	306.53	309.70	309.70	320	-	1000
Olive	4/0	7	1.524	13.259	16.307	1728	296.14	378.04	381.58	381.58	370	-	1000
Pomegranate	4/0	19	1.524	13.411	16.459	1823	296.14	379.09	382.69	382.69	370	-	1000
Sassafras	250	19	1.524	14.580	17.628	2043	348.68	439.88	443.84	443.84	420	-	500
Mulberry	266.8	19	1.524	14.605	17.653	2182	372.19	463.59	467.55	467.55	430	-	500
Basswood	300	19	1.524	15.957	18.999	2404	419.66	520.91	525.30	525.30	478	-	500
Anona	336.4	19	1.524	16.916	19.964	2697	469.51	578.04	582.75	582.75	495	-	500
Chinquapin	350	19	1.524	17.221	20.269	2790	488.12	598.98	603.79	603.79	525	-	500
Molles	397.5	19	2.032	18.390	22.454	3123	555.08	707.29	713.88	713.88	550	-	500
Sumac	450	19	2.032	19.609	23.673	3719	628.00	791.79	798.89	798.89	600	-	1000
Huckleberry	477	37	2.032	20.193	24.257	3810	665.21	834.63	841.98	841.98	610	-	1000
AAAC													
Maple	6	7	0.762	5.029	6.553	503	42.41	59.53	61.01	61.01	78	823	2500
Hornbeam	4	7	0.762	6.350	7.874	798	67.56	89.29	90.78	92.12	145	500	1500
Linden	2	7	1.143	8.026	10.312	1270	107.44	147.33	147.33	148.82	190	305	2000
Oilnut	1/0	7	1.524	8.839	11.887	2023	170.99	238.11	247.03	247.03	250	305	1000
Waterash	2/0	7	1.524	11.354	14.402	2445	215.63	291.68	302.01	302.01	290	-	1000
Shellbark	3/0	7	1.524	12.751	15.799	3080	271.59	358.65	370.55	370.55	335	-	1000
Planetree	4/0	7	1.524	14.300	17.348	3883	342.57	443.47	456.86	456.86	385	-	914
ACSR													
Walnut	6	6/1	0.762	5.029	6.553	540	36.46	69.94	71.43	71.43	105	823	2500
Butternut	4	6/1	0.762	6.350	7.874	844	58.04	107.15	107.15	108.64	135	500	1889
Hickory	4	7/1	0.762	6.528	8.052	1070	58.04	120.54	122.03	123.52	135	500	1828

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

ASTM Standard Covered Line Wire

Code word	Size	No . of Wires	Insulation Thickness	Nominal Diameter mm		Rated Strength	Nominal Weight kg/km				Ampacity	Standard Package	
	AWG or Kcmil			Bare	O.D.		AL or Alloy	Total				Coils	Reels
			mm			kg		LDPE	HDPE	XLPE	A	m	M
ACSR													
Pignut	2	6/1	1.143	8.026	10.312	1293	92.27	175.60	177.09	178.58	180	366	2000
Beech	2	7/1	1.413	8.357	10.643	1651	92.27	199.41	199.41	202.39	180	335	2000
Chestnut	1	6/1	1.143	9.017	11.303	1610	116.39	217.27	218.76	220.25	210	305	1500
Almond	1/0	6/1	1.524	10.109	13.157	1987	146.73	282.75	284.24	287.21	235	305	1000
Pecan	2/0	6/1	1.524	11.354	14.402	2404	184.98	348.23	349.72	349.72	290	-	1000
Filbert	3/0	6/1	1.524	12.751	15.799	3003	233.34	430.08	433.05	437.52	305	-	1000
Buckeye	4/0	6/1	1.524	14.300	17.343	3787	294.21	531.27	535.74	540.20	345	-	914
Hackberry	266.8	18/1	1.524	15.469	18.517	3121	372.63	525.32	528.30	534.25	356	-	500



ASTM Standard Service Drop Cable(Duplex)

Code word	Phase Conductors				Bare Neutral		Nominal Weight kg/km			Ampacity	Standard Package	
	Size & Number of Wires	Insulation Thickness	Nominal Diameter Bare	Nominal Diameter O.D.	Size & Number of Wires	Rated Strength	XLPE	AL or Alloy	Total		Coils	Reels
		mm	mm	mm		kg				A	m	m
AAC												
Pekingese	6-1	1.14	4.1	6.4	6-7	255	20.8	72.9	94	78	305	1000
Collie	6-7	1.14	4.6	6.9	6-7	255	23.8	72.9	97	78	305	1000
Cocker	6-7	1.52	4.6	7.7	6-7	255	32.7	72.9	106	78	305	1000
Dachshund	4-1	1.14	5.2	7.5	6-7	400	26.8	114.6	141	103	305	500
Spaniel	4-7	1.14	5.9	8.2	6-7	400	29.8	116.1	146	103	305	500
Cairn	4-7	1.52	5.9	8.9	6-7	400	40.2	116.1	156	103	305	500
Doberman	2-7	1.14	7.4	9.7	2-7	612	38.7	184.5	223	136	152	500
Airedale	1-19	1.52	8.4	11.5	1-7	-	56.5	233.6	290	158	152	500
Basset	1/0-7	1.52	9.3	12.4	1/0-7	903	64.0	294.7	359	182	152	457
Malemure	1/0-19	1.52	9.4	12.5	1/0-7	903	64.0	294.7	359	182	152	457
AAAC												
Chihuahua	6-1	1.14	4.1	6.4	6-7	499	20.8	72.9	94	78	305	1000
Vizsla	6-7	1.14	4.6	6.9	6-7	499	23.8	72.9	97	78	305	1000
Harner	4-1	1.14	5.2	7.5	4-7	798	26.8	116.1	143	103	305	500
Whippet	4-7	1.14	5.9	8.2	4-7	798	29.8	116.1	146	103	305	500
Schnauzer	2-7	1.14	7.4	9.7	2-7	1270	38.7	184.5	223	136	152	500
Afghan	1/0-7	1.52	9.3	12.4	1/0-7	2023	64.0	296.1	360	182	152	457
Heeler	1-19	1.52	9.4	12.5	1/0-7	2023	64.0	296.1	360	182	152	457

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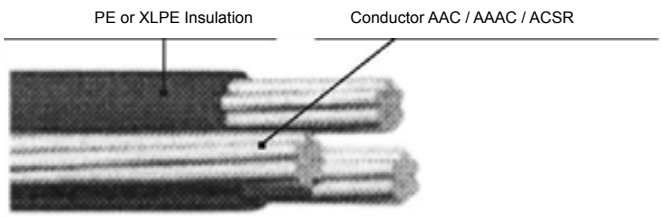
ASTM Standard Service Drop Cable(Duplex)

Code word	Phase Conductors				Bare Neutral		Nominal Weight kg/km			Ampacity	Standard Package	
	Size & Number of Wires	Insulation Thickness	Nominal Diameter Bare	Nominal Diameter O.D.	Size & Number of Wires	Rated Strength	XLPE	AL or Alloy	Total		Coils	Reels
		mm	mm	mm		kg				A	m	m
ACSR												
Setter	6-1	1.14	4.1	6.4	6-6/1	540	20.8	72.9	94	78	305	1000
Shepherd	6-7	1.14	4.6	6.9	6-6/1	540	23.8	72.9	97	78	305	1000
Retriever	6-7	1.52	4.6	7.7	6-6/1	540	32.7	72.9	106	78	305	1000
Eskimo	4-1	1.14	5.2	7.5	4-6/1	844	26.8	114.6	141	103	305	500
Terrier	4-7	1.14	5.9	8.2	4-6/1	844	29.8	116.1	146	103	305	500
Yorkshire	4-7	1.52	5.9	8.9	4-6/1	844	40.2	116.1	156	103	305	500
Chow	2-7	1.14	7.4	9.7	2-6/1	1293	38.7	184.5	223	136	152	500
Labrador	1-19	1.52	8.4	11.5	1-6/1	1610	56.5	233.6	290	158	152	500
Bloodhound	1/0-7	1.52	9.3	12.4	1/0-6/1	1987	64.0	294.7	359	182	152	457
Bull	1/0-19	1.52	9.4	12.5	1/0-6/1	1987	64.0	294.7	359	182	152	457



ASTM Standard Service Drop Cable(Triplex)

Code word	Phase Conductors				Bare Neutral		Nominal Weight kg/km			Ampacity	Standard Package	
	Size & Number of Wires	Insulation Thickness	Nominal Diameter Bare	Nominal Diameter O.D.	Size & Number of Wires	Rated Strength	XLPE	AL or Alloy	Total		Coils	Reels
		mm	mm	mm		kg				A	m	m
AAC												
Halotis	1.14	4.115	4.115	6.4	6-7	255	42	110	152	78	305	762
Pike	0.76	4.67	4.67	6.2	6-7	255	31	112	143	78	305	762
Patella	1.14	4.67	4.67	7.0	6-7	255	48	112	159	78	305	762
Albus	1.52	4.67	4.67	7.7	6-7	255	64	132	198	78	305	762
Fusus	1.14	5.182	5.182	7.5	4-7	400	52	177	229	103	152	518
Oyster	1.14	5.89	5.89	8.2	4-7	400	60	177	237	103	152	457
Argo	1.52	5.89	5.89	8.9	4-7	400	80	177	258	103	152	457
Clam	1.14	7.42	7.42	9.7	2-7	612	76	281	359	136	152	549
Thia	1.52	7.42	7.42	10.5	2-7	612	100	281	383	136	152	549
Mussel	1.14	7.42	7.42	9.7	2-7	612	76	281	359	136	152	549
Pyrula	1.52	8.33	8.33	11.4	1-7	744	113	356	467	158	152	457
Hyas	1.52	8.43	8.43	11.5	1-7	744	115	356	469	158	152	457
Murex	1.52	9.35	9.35	12.4	1/0-7	903	128	385	513	182	152	366
Purpura	1.52	9.47	9.47	12.5	1/0-7	903	130	385	515	182	152	366
Nasa	1.52	10.52	10.52	13.6	2/0-7	1139	146	566	710	210	-	457
Trophon	1.52	10.64	10.64	13.7	2/0-7	1139	147	566	713	210	-	457
Quahog	2.03	11.79	11.79	15.9	3/0-7	1379	214	713	926	242	-	396
Ione	2.03	11.94	11.94	16.0	3/0-7	1379	217	713	929	242	-	396

ASTM Standard Service Drop Cable(Triplex)

Continue Table

Code word	Phase Conductors				Bare Neutral		Nominal Weight			Ampacity	Standard Package	
	Size & Number of Wires	Insulation Thickness	Nominal Diameter		Size & Number of Wires	Rated Strength	kg/km				Coils	Reels
			Bare	O.D.			XLPE	AL or Alloy	Total			
		mm	mm	mm		kg				A	m	m
AAC												
Melita	3/0-19	1.52	11.94	15.0	3/0-19	1501	168	713	881	242	-	396
Coquina	4/0-7	1.52	13.26	16.3	4/0-7	1737	191	899	1089	279	-	305
Tusk	4/0-7	2.03	13.26	17.3	4/0-7	1737	243	899	1141	279	-	305
Apus	4/0-19	2.03	13.41	17.5	4/0-7	1737	246	899	1144	279	-	305
Portunus	4/0-19	1.52	13.41	16.5	4/0-19	1823	194	899	1091	279	-	305
Chiton	266.8-19	2.03	14.88	18.9	266.8-19	2254	277	1133	1409	310	-	305
Nannynose	336.4-19	2.03	16.92	21.0	336.4-19	2790	321	1427	1749	330	--	305
AAAC												
Homarus	6-1	1.14	4.115	6.4	6-7	499	42	118	159	78	305	762
Minex	6-1	1.14	4.115	13.3	6-7	499	42	118	159	78	305	762
Cabera	6-7	1.14	4.65	6.9	6-7	499	48	118	165	78	305	671
Hippa	6-7	1.14	4.65	6.9	6-7	499	48	118	165	78	305	671
Artemia	4-1	1.14	5.182	7.5	6-7	499	52	162	214	103	305	518
Maira	4-7	1.14	5.89	8.2	6-7	499	60	188	247	103	305	518
Crab	4-7	1.14	5.89	8.2	6-7	499	60	162	222	103	305	518
Luidia	4-1	1.14	5.182	7.5	6-7	499	52	162	214	103	152	518
Prawn	4-1	1.14	5.182	7.5	4-7	798	52	188	240	103	152	518
Metalia	4-7	1.14	5.89	8.2	4-7	798	60	188	247	103	152	457
Barnacles	4-7	1.14	5.89	8.2	4-7	798	60	188	247	103	152	457
Solaster	2-7	1.14	7.42	9.7	4-7	798	76	258	333	136	152	549
Pagarus	2-7	1.52	7.42	10.5	4-7	798	100	258	357	136	152	549
Shrimp	2-7	1.14	7.42	9.7	2-7	1270	76	298	374	136	152	549
Lobster	2-7	1.52	7.42	10.5	2-7	1270	100	298	397	136	152	549
Encope	1-19	1.52	8.43	11.5	2-7	1270	115	347	461	158	152	366
Sanderab	1/0-7	1.52	9.35	12.4	2-7	1270	128	409	537	182	152	366
Echinus	1/0-19	1.52	9.47	12.5	2-7	1270	130	409	539	182	152	366
Gammarus	1/0-7	1.52	9.35	12.4	1/0-7	2023	128	473	601	182	152	366
Leda	1/0-19	1.52	9.47	12.5	1/0-7	2023	130	473	603	182	152	366
Crayfish	2/0-7	1.52	10.5	13.6	2-7	1270	146	487	631	210	-	457
Sipho	2/0-19	1.52	10.6	13.7	2-7	1270	147	487	634	210	-	457
Dungenese	2/0-7	1.52	10.5	13.6	2/0-7	2445	146	595	740	210	-	457
Cyclops	2/0-7	1.52	10.6	13.7	2/0-7	2445	147	595	743	210	-	457
Slug	3/0-7	1.52	11.8	14.8	1/0-7	2023	165	650	816	242	-	366
Fulgur	3/0-19	1.52	11.9	15.0	1/0-7	2023	168	650	819	242	-	366
Balanus	3/0-19	2.03	11.9	16.0	1/0-7	2023	216	650	868	242	-	366
Stonecrab	3/0-7	1.52	11.8	14.8	3/0-7	3080	165	752	917	242	-	366
Flustra	3/0-7	1.52	11.9	15.0	3/0-7	3080	168	752	920	242	-	366
Crisia	3/0-19	2.03	11.9	16.0	3/0-7	3080	216	752	969	242	-	305
Squid	4/0-7	1.52	13.3	16.3	2/0-7	2431	191	820	1011	279	-	305
Arca	4/0-19	1.52	13.4	16.5	2/0-7	2431	192	820	1012	279	-	305
Bugula	4/0-19	2.03	13.4	17.5	2/0-7	2431	246	820	1066	279	-	305

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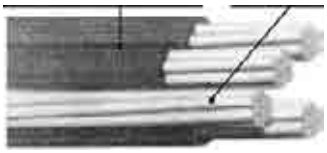
ASTM Standard Service Drop Cable(Triplex)

Continue Table

Code word	Phase Conductors				Bare Neutral		Nominal Weight kg/km			Ampacity	Standard Package	
	Size & Number of Wires	Insulation Thickness	Nominal Diameter Bare	Nominal Diameter O.D.	Size & Number of Wires	Rated Strength	XLPE	AL or Alloy	Total		Coils	Reels
		mm	mm	mm		kg				A	m	m
AAAC												
Kingerab	4/0-7	1.52	13.3	16.3	4/0-7	3883	191	948	1137	279	-	305
Lepas	4/0-19	1.52	13.4	16.5	4/0-7	3883	192	948	1140	279	-	305
Cassi	4/0-19	20.03	13.4	17.5	4/0-7	3883	246	948	1194	279	-	305
ACSR												
Paludina	6-1	1.14	4.115	6.401	6-6/1	540	42	112	170	79	305	762
Voluta	6-7	1.14	4.67	6.960	6-6/1	540	48	112	176	79	305	671
Bolma	6-7	1.52	4.67	7.722	6-6/1	540	64	112	194	79	305	671
Scallop	4-1	1.14	5.182	7.468	6-6/1	540	52	155	225	138	152	518
Strombus	4-7	1.14	5.89	8.179	6-6/1	540	60	155	232	138	152	457
Carnea	4-7	1.52	5.89	8.941	6-6/1	540	80	155	253	138	152	457
Whelk	4-1	1.14	5.182	7.468	4-6/1	844	52	177	258	138	152	518
Periwinkle	4-7	1.14	5.89	8.179	4-6/1	844	60	177	263	138	152	457
Calma	4-7	1.52	5.89	8.941	4-6/1	844	80	177	284	138	152	457
Cockle	2-7	1.14	5.89	8.179	4-6/1	844	60	247	335	183	152	549
Gebia	2-7	1.52	5.89	8.941	4-6/1	844	80	247	354	183	152	549
Conch	2-7	1.14	5.89	8.179	2-6/1	1293	60	281	384	183	152	549
Uca	2-7	1.52	5.89	8.941	2-6/1	1293	80	281	405	183	152	549
Vermeths	1-7	1.52	8.33	11.379	1-6/1	1610	113	354	522	210	152	457
Atya	1-19	1.52	8.33	11.379	1-6/1	1610	113	430	524	210	152	457
Janthina	1/0-7	1.52	8.33	11.379	2-6/1	1293	113	393	549	242	152	366
Ranella	1/0-19	1.52	9.47	12.522	2-6/1	1293	130	393	566	242	152	366
Neritina	1/0-7	1.52	9.35	12.395	1/0-6/1	1987	128	448	644	242	152	366
Cenia	1/0-19	1.52	9.47	12.522	1/0-6/1	1987	130	448	646	242	152	366
Cavolinia	2/0-7	1.52	10.5	13.564	1-6/1	1610	146	496	697	279	-	579
Clio	2/0-19	1.52	10.6	13.691	1-6/1	1610	147	496	698	279	-	457
Runcina	2/0-7	1.52	10.5	13.564	2/0-6/1	2404	146	564	796	279	-	457
Triton	2/0-19	1.52	10.6	13.691	2/0-6/1	2404	147	564	799	279	-	457
Sanddollar	3/0-7	1.52	11.8	14.834	1/0-6/1	1987	165	625	860	322	-	396
Aega	3/0-19	1.52	11.9	14.986	1/0-6/1	1987	168	625	862	322	-	396
Pisa	3/0-19	2.03	11.9	16.002	1/0-6/1	1987	216	625	911	322	-	396
Cherrystone	3/0-7	1.52	11.8	14.834	3/0-6/1	3003	165	711	987	322	-	396
Mursia	3/0-19	1.52	11.9	14.986	3/0-6/1	3003	168	711	990	322	-	396
Mysis	3/0-19	2.03	11.9	16.002	3/0-6/1	3003	216	711	990	322	-	396
Cuttlefish	4/0-7	1.52	13.3	16.307	2/0-6/1	2404	191	787	1066	372	-	305
Cerapus	4/0-19	1.52	13.4	16.459	2/0-6/1	2404	192	787	1069	372	-	305
Nepatus	4/0-19	2.03	13.4	17.475	2/0-6/1	2404	246	787	1121	372	-	305
Razor	4/0-7	1.52	13.3	16.307	4/0-6/11	3788	191	897	1225	372	-	305
Zuzara	4/0-19	1.52	13.4	16.459	4/0-6/1	3788	192	897	1229	372	-	305
Alima	4/0-19	2.03	13.4	17.475	4/0-6/1	3788	246	897	1281	372	-	305
Callista	266.8-19	2.03	15.1	19.126	3/0-6/1	3003	280	994	1384	410	-	305
Dosinia	266.8-19	2.03	15.1	19.126	266.8-18/1	3121	280	1133	1472	410	-	305
Cowry	336.4-19	2.03	16.9	20.980	4/0-6/1	3788	320	1253	1713	506	-	305
Limpet	336.4-19	2.03	16.9	20.980	336.4-18/1	3937	320	1429	1823	506	-	305

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

PE or XLPE Insulation Conductor AAC / AAAC / ACSR



ASTM Standard Service Drop Cable(Quadruplex)

Code word	Phase Conductors				Bare Neutral		Nominal Weight			Ampacity	Standard Package	
	Size & Number of Wires	Insulation Thickness	Nominal Diameter		Size & Number of Wires	Rated Strength	kg/km				Coils	Reels
			Bare	O.D.			XLPE	AL or Alloy	Total			
		mm	mm	mm		kg				A	m	m
AAC												
Quarter	6-1	1.143	4.115	6.401	6-7	256.371	63	149	211	78	152.4	762.0
Clydesdate	4-1	1.143	5.182	7.468	4-7	399.613	79	237	315	103	152.4	518.2
Pinto	4-7	1.143	5.893	8.179	4-7	399.613	89	237	326	136	152.4	518.2
Mustang	2-7	1.143	7.417	9.703	2-7	612.347	115	377	491	158	-	548.6
Shire	1-19	1.524	8.433	11.481	1-19	743.886	171	475	646	158	-	457.2
Libyan	1/0-7	1.524	9.347	12.395	1/0-7	902.644	192	598	790	182	-	365.8
Criollo	1/0-19	1.524	9.474	12.522	1/0.19	902.644	193	598	793	182	-	365.8
Orloff	2/0.7	1.524	10.516	13.564	2/0-7	1138.511	217	754	973	210	-	457.2
Percheron	2/0-19	1.524	10.643	13.691	2/0-19	1138.511	220	754	976	210	-	457.2
Mongolian	3/0-7	1.524	11.786	14.834	3/0-7	1378.914	249	951	1199	242	-	396.2
Hanoverian	3/0-19	1.524	11.938	14.986	3/0-19	1378.914	251	951	1204	242	-	396.2
Singlefoot	4/0-7	1.524	13.259	16.307	4/0-7	1737.250	286	1199	1485	279	-	335.3
Oldenburg	4/0-19	1.524	13.411	16.459	4/0.19	1737.250	289	1199	1490	279	-	335.3
AAAC												
Bay	6-1	1.143	4.115	6.401	6-7	503.485	63	155	217	78	152.4	762.0
French-conch	6-7	1.143	4.674	6.960	6-7	503.485	71	155	226	78	152.4	762.0
German-conch	4-1	1.143	5.182	7.468	4-7	798.318	79	247	324	103	152.4	518.2
Arabian	4-7	1.143	5.893	8.179	4-7	784.711	89	247	336	103	152.4	518.2
Belgian	2-7	1.143	7.417	9.703	2-7	1270.052	115	391	506	136	-	548.6
Saddle	1-19	1.524	8.433	11.481	2-7	1270.052	171	466	637	158	-	457.2
Plow	1/0-7	1.524	9.347	12.395	1/0-7	2023.011	192	624	814	182	-	365.8
Sherland	1/0-19	1.524	9.474	12.522	1/0-7	2023.011	193	624	817	182	-	365.8
Dapple-grey	2/0.7	1.524	10.516	13.564	2/0-7	2444.850	217	786	1005	210	-	457.2
Thoroughbred	2/0-19	1.524	10.643	13.691	2/0-7	2444.850	220	786	1007	210	-	457.2
Dobbin	3/0-7	1.524	11.786	14.834	3/0-7	3079.876	249	991	1238	242	-	396.2
Trotter	3/0-19	1.524	11.938	14.986	3/0-7	3079.876	251	991	1243	242	-	396.2
Pony	4/0-7	1.524	13.259	16.307	4/0-7	3882.730	286	1250	1534	279	-	335.3
Walking	4/0-19	1.524	13.411	16.459	4/0-7	3882.730	289	1250	1539	279	-	335.3

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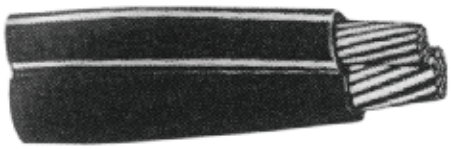
ASTM Standard Service Drop Cable(Quadruplex)

Continue Table

Code word	Phase Conductors				Bare Neutral		Nominal Weight			Ampacity	Standard Package	
	Size & Number of Wires	Insulation Thickness	Nominal Diameter		Size & Number of Wires	Rated Strength	kg/km				Coils	Reels
			Bare	O.D.			XLPE	AL or Alloy	Total			
		mm	mm	mm		kg				A	m	m
ACSR												
Morochuca	6-1	1.143	4.115	6.401	6-6/1	539.772	63	149	229	78	152.4	762.0
Chola	6-7	1.143	4.674	6.960	6-6/1	539.772	71	149	237	78	152.4	762.0
Morgan	4-1	1.143	5.182	7.468	4-6/1	843.677	79	238	344	103	152.4	518.2
Hackney	4-7	1.143	5.893	8.179	4-6/1	843.677	90	238	356	103	152.4	518.2
Palomino	2-7	1.143	7.417	9.703	2-6/1	1292.732	115	377	557	136	-	548.6
Albino	1-19	1.524	8.433	11.481	1-6/1	1610.245	171	473	699	158	-	365.8
Standardbred	1/0-7	1.524	9.347	12.395	1/0-6/1	1986.724	192	598	859	182	-	365.8
Costena	1/0-19	1.524	9.474	12.522	1/0-6/1	1986.724	193	598	862	182	-	365.8
Chicoteagues	2/0.7	1.524	10.516	13.564	2/0-6/1	2404.027	217	753	1060	210	-	457.2
Grullo	2/0-19	1.524	10.643	13.691	2/0-6/1	2404.027	220	753	1063	210	-	457.2
Mare	3/0-7	1.524	11.786	14.834	3/0-6/1	3002.766	249	951	1306	242	-	396.2
Suffolk	3/0-19	1.524	11.938	14.986	3/0-6/1	3002.766	251	951	1313	242	-	396.2
Stallion	4/0-7	1.524	13.259	16.307	4/0-6/1	3787.477	286	1198	1622	279	-	335.3
Appaloosa	4/0-19	1.524	13.411	16.459	4/0-6/1	3787.477	289	1198	1627	279	-	335.3



ASTM Standard Secondary UD Cable(Duplex)

Code word	Phase Conductors			Neutral			Diameter		Approx. Weight	Allowable Ampacities (Raceway, Cable Tray, Direct Burial)
	Size AWG	Number of Wires	Insulation Thickness mm	Size AWG	Number of Wires	Insulation Thickness mm	Single Phase Conductor mm	Complete Cable mm	Kg/km	
Bard	8	7	1.52	8	7	1.52	6.7	13.5	93	55
Clafin	6	7	1.52	6	7	1.52	7.6	15.1	135	70
Delgado	4	7	1.52	4	7	1.52	8.7	17.5	192	110
Everett	2	7	1.52	2	7	1.52	11.1	22.3	303	180

ASTM Standard Secondary UD Cable(Triplex)

Code word	Phase Conductors			Neutral			Diameter		Approx. Weight	Allowable Ampacities (Raceway, Cable Tray, Direct Burial)
	Size AWG	Number of Wires	Insulation Thickness mm	Size AWG	Number of Wires	Insulation Thickness mm	Single Phase Conductor mm	Complete Cable mm	Kg/km	
Erskine	6	7	1.52	6	7	1.52	7.6	16.3	201	60
Vassar	4	7	1.52	4	7	1.52	8.7	18.8	287	75
Stephens	2	7	1.52	4	7	1.52	10.2	22.1	375	110
Ramapo	2	7	1.52	2	7	1.52	10.2	22.1	419	110
Brenau	1/0	19	2.03	2	7	1.52	13.2	28.5	583	150
Bergen	1/0	19	2.03	1/0	19	2.03	13.2	28.5	665	150
Converse	2/0	19	2.03	1	19	2.03	14.3	30.9	723	165
Hunter	2/0	19	2.03	2/0	19	2.03	14.3	30.9	808	165
Hollins	3/0	19	2.03	1/0	19	2.03	15.6	33.6	877	190
Rockland	3/0	19	2.03	3/0	19	2.03	15.6	33.6	983	190
Sweetbriar	4/0	19	2.03	2/0	19	2.03	17.1	36.8	1070	225
Monmouth	4/0	19	2.03	4/0	19	2.03	17.1	36.8	1201	225
Pratt	250	37	2.41	3/0	19	2.03	19.0	40.9	1285	250
Wesleyan	350	37	2.41	4/0	19	2.03	21.6	46.6	1686	305
Newark	350	37	2.41	350	37	2.41	22.8	49.1	2171	305
Holyoke	500	37	2.41	300	37	2.41	24.9	53.7	2325	380
Rider	500	37	2.41	350	37	2.41	24.9	53.7	2407	380
Seton Hall	750	61	2.79	750	61	2.79	30.2	65.1	3908	470

GHCABLE

ASTM Standard Secondary UD Cable (Quadruplex)

Code word	Phase Conductors			Neutral			Diameter		Approx. Weight	Allowable Ampacities (Raceway, Cable Tray, Direct Burial)
	Size AWG	Number of Wires	Insulation Thickness mm	Size AWG	Number of Wires	Insulation Thickness mm	Single Phase Conductor mm	Complete Cable mm	Kg/km	
Tulsa	4	7	1.52	4	7	1.52	8.7	21.1	385	85
Dyke	2	7	1.52	4	7	1.52	10.2	24.7	518	110
Wittenberg	2	7	1.52	2	7	1.52	10.2	24.7	562	110
Notre Dame	1/0	19	2.03	2	7	1.52	13.2	32.0	810	150
Purdue	1/0	19	2.03	1/0	19	2.03	13.2	32.0	892	150
Syracuse	2/0	19	2.03	1	19	2.03	14.3	34.6	998	165
Lafayette	2/0	19	2.03	2/0	19	2.03	14.3	34.6	1084	165
Swarthmore	3/0	19	2.03	1/0	19	2.03	15.6	37.7	1211	190
Davidson	3/0	19	2.03	3/0	19	2.03	15.6	37.7	1317	190
McPherson	4/0	19	2.03	2	7	1.52	17.1	41.2	1338	225
Wake Forest	4/0	19	2.03	2/0	19	2.03	17.1	41.2	1478	225
Earlham	4/0	19	2.03	4/0	19	2.03	17.1	41.2	1609	225
Rust	250	37	2.41	3/0	19	2.03	19.0	45.8	1810	260
Slippery Rock	350	37	2.41	4/0	19	2.03	21.6	52.1	2326	305
Wofford	500	37	2.41	350	37	2.41	24.9	60.1	3301	380
Westminster	750	61	2.79	350	37	2.41	30.2	73.0	4567	470

BS IEC Standards Aerial Bundled Cable (ABC)

Nominal area mm^2	Number/Dia.mm	Insulation thickness mm
1×16+16	7/1.70	1.30
2×16+16	7/1.70	1.30
3×16+16	7/1.70	1.30
4×16	7/1.70	1.30
1×25+25	7/2.10	1.30
2×25+25	7/2.10	1.30
3×25+25	7/2.10	1.30
4×25	7/2.10	1.30
135+35	7/2.50	1.30

Nominal area mm^2	Number/Dia.mm	Insulation thickness mm
2×35+35	7/2.50	1.30
3×35+35	7/2.50	1.30
4×35	7/2.50	1.30
1×50+50	7/3.0	1.50
3×50+50	7/3.0	1.50
1×70+70	19/2.10	1.50
3×70+70	19/2.10	1.50
3×95+95	19/2.50	1.60

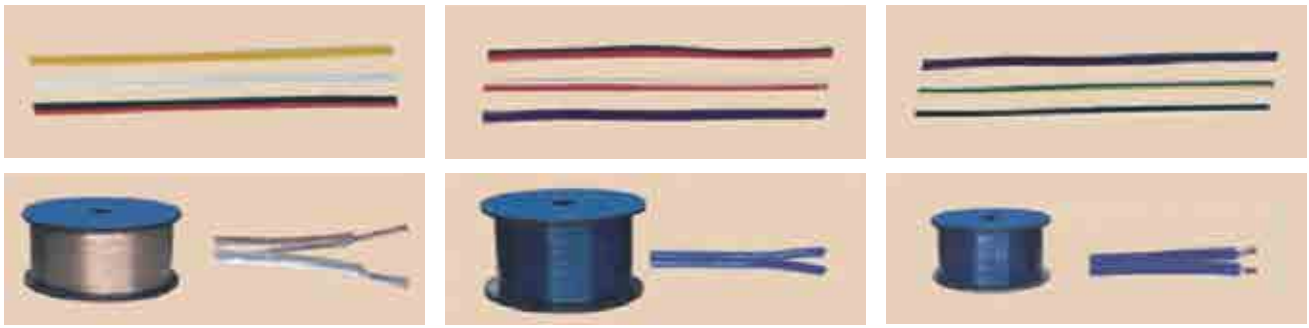
NFC Standard Aerial Bundled Cable (ABC)

Item	Phase / No./Dia. mm	XLPE Thickness mm	Neutral / No./Dia. mm	XLPE Thickness mm	EP / No./Dia. mm	XLPE Thickness mm
3X35+54.6AAAC+16	7/2.52	1.60	7/3.15	1.60	7/1.70	1.20
3X70+54.6AAAC+2X16	12/2.72	1.60	7/3.15	1.60	7/1.70	1.20

PVC Insulated Speaker Wire

Application

The products are designed for the electrical connection between loudspeakers and audio amplifiers and other electrical appliances.



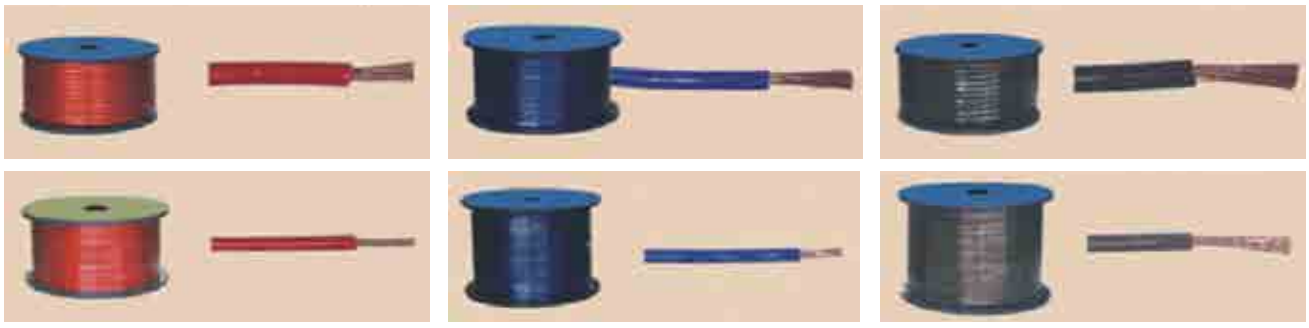
Size AWG	No./mm	Approx. O.D. mm
28	2x7/0.12	1.6x3.2
26	2x7/0.16	1.7x3.4
24	2x11/0.12	1.8x3.6
22	2x16/0.16	2.0x4.0
20	2x26/0.16	2.2x4.4
18	2x17/0.25	2.5x5.0
16	2x26/0.25	3.0x6.0
14	2x41/0.25	3.5x7.0
12	2x65/0.25	4.5x9.0
10	2x105/0.25	5.5x11

Size mm^2	No./mm	Approx. O.D. mm
2x0.5	2x25/0.16	2.2x4.4
2x0.75	2x37/0.16	2.4x4.8
2x1.0	2x31/0.20	2.6x5.2
2x1.5	2x46/0.20	3.0x6.0
2x2.0	2x40/0.25	3.3x6.6
2x2.5	2x49/0.25	3.6x7.2
2x4.0	2x80/0.25	5.0x10.0
2x6.0	2x85/0.30	5.5x11.0

Speaker Power Supply Cable

Application

The cables are designed to supply power for voice equipments and other professional electrical appliances.



Size AWG	No./mm	Approx. O.D.mm
1	7×7×70×0.12	15.5
2	7×7×50×0.12	14
3	7×7×40×0.12	12.5
4	7×7×34v0.12	10
5	7×7×30×0.12	10
9	7×95×0.12	6.5
10	7×24×0.20	6
11	7×50×0.12	5.5
12	7×15×0.20	5

GHCABLE

Coaxial cable

3C-2V

Purpose: Television, monitoring systems and other.

Name	3C-2V
Inner Conductor	0,65mm CCS
Dielectric	2,9mm FPE
Shielding foil	AL/PET
( )Outer conductor (Braiding)	32x0,12mm AL
Jacket	4,2mm PVC
Weight	15kg/600m
Inner conductor DC resistance	320Ω /km
Outer conductor DC resistance	99Ω/km
Capacitance	55pF/m
Impedance	75Ω/km
Velocity ratio	0,85

Attenuation	dB/100m
5MHz	6,5
10MHz	10
50MHz	14
100MHz	16
200MHz	19,5
400MHz	24,7
860MHz	31
1000MHz	32,5
* CCS - Copper clad steel	* AL - Aluminium
* FPE - Foamed Polyethylene	* PVC - Polyvinylchlorid
* AL/PET - AL/Polyester foil	

RG59

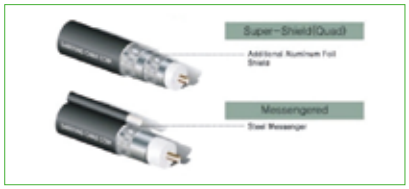
Purpose: CATV Networks, Television, SAT TV and other.

Name	RG59
Inner Conductor	0,81mm CCS
Dielectric	3,65mm FPE
Shielding foil	AL/PET
( )Outer conductor (Braiding)	32x0,12mm AL
Jacket	6,10mm PVC
Weight	22kg/600m
Inner conductor DC resistance	190Ω/km
Outer conductor DC resistance	93Ω/km
Capacitance	52pF/m
Impedance	75Ω/km
Velocity ratio	0,85

Attenuation	dB/100m
5MHz	4,23
50MHz	6,71
100MHz	9,50
200MHz	11,91
450MHz	17,47
860MHz	24,71
1000MHz	26,72
* CCS - Copper clad steel	* AL - Aluminium
* FPE - Foamed Polyethylene	* PVC - Polyvinylchlorid
* AL/PET - AL/Polyester foil	

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

Coaxial cable



RG6

Purpose: CATV Networks, Television, SAT TV and other

Name	RG6
Inner Conductor	1,02mm CCS
Dielectric	4,57mm FPE
Shielding foil	AL/PET
)Outer conductor (Braiding)	32x0,12mm AL
Jacket	6,80mm PVC
Weight	24,5kg/600m
Inner conductor DC resistance	125Ω /km
Outer conductor DC resistance	78Ω/km
Capacitance	52pF/m
Impedance	75Ω/km
Velocity ratio	0,85

Attenuation	dB/100m
5MHz	2,2
50MHz	4,74
100MHz	6,81
200MHz	9,63
450MHz	13,95
860MHz	19,91
1000MHz	21,62
* CCS - Copper clad steel	* AL - Aluminium
* FPE - Foamed Polyethylene	* PVC - Polyvinylchlorid
* AL/PET - AL/Polyester foil	

RG11

Purpose: CATV Networks, Television, SAT TV and other

Name	RG11
Inner Conductor	1,63mm CCS
Dielectric	7,11mm FPE
Shielding foil	AL/PET
)Outer conductor (Braiding)	32x0,12mm AL
Jacket	10,03mm PVC
Weight	75kg/km
Inner conductor DC resistance	39,7Ω/km
Outer conductor DC resistance	24,3Ω/km
Capacitance	52pF/m
Impedance	75Ω/km
Velocity ratio	0,85

Attenuation	dB/100m
5MHz	1,19
50MHz	3,1
100MHz	4,5
200MHz	5,9
450MHz	8,76
860MHz	12,8
1000MHz	13,79
* CCS - Copper clad steel	* AL - Aluminium
* FPE - Foamed Polyethylene	* PVC - Polyvinylchlorid
* AL/PET - AL/Polyester foil	

GHCABLE

Alarm Cable

Application

Purpose: Wiring of fire alarms, fire protective circuits,burglar alarms, smoke alarms, and voice communications.
Conductor Material: Solid bare copper
Insulation Material: PVC
Laying-up: Units
Drain Wire: Solid bare copper
Shield: Overall Al/Polyester foil 100% coverage
Nylon Rip Cord: 150D
Sheath Material: PVC/PE/LSF
Sheath Color: Upon requests
Shape: Round
Voltage Rating: 300/500V
Temperature Rating: 75℃

Main technical parameter

Part No.	No.of Conds.	AWG	Stranding	Nominal Insulation Thickness	Nominal Jacket Thickness	Nominal O.D.
GH-AC-24/4	4	24	Solid	0.21mm	0.7mm	3.9mm
GH-AC-24/6	6	24	Solid	0.21mm	0.7mm	4.2mm
GH-AC-24/8	8	24	Solid	0.21mm	0.84mm	5.0mm
GH-AC-24/12	12	24	Solid	0.21mm	1.00mm	6.0mm
GH-AC-22/4	4	22	Solid	0.30mm	0.88mm	5.1mm
GH-AC-18/2	2	18	Solid	0.38mm	0.76mm	5.3mm
GH-AC-18/4	4	18	Solid	0.38mm	0.76mm	6.09mm
GH-AC-18/6	6	18	Solid	0.38mm	0.76mm	6.9mm
GH-AC-16/2	2	16	Solid	0.38mm	0.76mm	5.9mm
GH-AC-16/4	4	16	Solid	0.38mm	0.76mm	6.7mm
GH-AC-14/2	2	14	Solid	0.38mm	0.76mm	6.65mm
GH-AC-14/4	4	14	Solid	0.38mm	0.76mm	8.68mm

Manufactory: Jiangshu, Danyang City, Jiangsu Province 212364, China Shanghai Office: 86-21-62252999 Mobile:86-13816332761 Email:yingd@yingd.com Website: www.ghcable.com

Security Cable

Application

Purpose: Power limited circuit, remote control, signaling,security systems, communications, intercom/P.A. Systems.
Conductor Material: Bare copper strands
Insulation Material: PE/PVC
Laying-up: Units
Drain Wire: Solid bare copper
Shield: Overall Al/Polyester foil 100% coverage
Nylon Rip Cord: 150D
Sheath Material: PVC/PE/LSF
Sheath Color: Upon requests
Shape: Round
Voltage Rating: 300/500V
Temperature Rating: 75℃

Main technical parameter

Part No.	No.of Conds.	AWG	Stranding	Stranding	Nominal Insulation Thickness	Nominal Jacket Thickness	Nominal O.D.
GH-SRC-22/2	2	22	0.34mm2	7/0.25mm	0.21mm	0.7mm	3.5mm
GH-SRC-22/4	4	22	0.34mm2	7/0.25mm	0.21mm	0.7mm	4.2mm
GH-SRC-22/6	6	22	0.34mm2	7/0.25mm	0.21mm	0.7mm	4.8mm
GH-SRC-22/8	8	22	0.34mm2	7/0.25mm	0.21mm	0.7mm	5.5mm
GH-SRC-22/10	10	22	0.34mm2	7/0.25mm	0.30mm	0.76mm	6.2mm
GH-SRC-22/12	12	22	0.34mm2	7/0.25mm	0.30mm	0.76mm	7.0mm
GH-SRC-18/2	2	18	0.82mm2	16/0.25mm	0.30mm	0.76mm	4.7mm
GH-SRC-18/4	4	18	0.82mm2	16/0.25mm	0.30mm	0.76mm	5.6mm
GH-SRC-18/6	6	18	0.82mm2	16/0.25mm	0.30mm	0.76mm	6.3mm
GH-SRC-18/8	8	18	0.82mm2	16/0.25mm	0.38mm	0.76mm	7.1mm
GH-SRC-16/2	2	16	1.31mm2	42/0.2mm	0.38mm	0.8mm	6.0mm
GH-SRC-16/3	3	16	1.31mm2	42/0.2mm	0.38mm	0.8mm	6.5mm
GH-SRC-16/4	4	16	1.31mm2	42/0.2mm	0.38mm	0.8mm	6.9mm
GH-SRC-14/2	2	14	2.08mm2	19/0.36mm	0.38mm	0.8mm	6.3mm
GH-SRC-14/3	3	14	2.08mm2	19/0.36mm	0.38mm	0.8mm	6.7mm
GH-SRC-14/4	4	14	2.08mm2	19/0.36mm	0.38mm	0.8mm	7.2mm
GH-SRC-12/2	2	12	3.31mm2	19/0.45mm	0.38mm	0.8mm	7.1mm

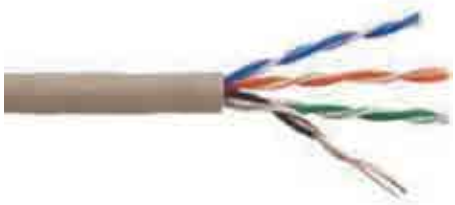
GHCABLE

Network Cable

CAT5E/UTP(Solid)

Type	CAT5E/UTP
Packing	305m
Wire size	4x2x0,50mm (24AWG)
Insulation O.D.	PE0.95mm
Jacket O.D.	PVC5.1mm
Weight	23kg/610m
Wire DC resistance	17Ω /100m
Capacitance	44pF/m
Impedance	100±10 Ω
Velocity of propagation	0,72
Delay skew	<40ns/100m

Frequency	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	Return Loss
1 MHz	1,9 dB/100m	66 dB	63 dB	64 dB	61 dB	20dB
10 MHz	6,3 dB/100m	51 dB	48 dB	47 dB	44 dB	23dB
16 MHz	8,0 dB/100m	48 dB	45 dB	44 dB	41 dB	25dB
20 MHz	9,9 dB/100m	46 dB	43 dB	42 dB	39 dB	25dB
40 MHz	12,8 dB/100m	44 dB	41 dB	34 dB	31 dB	23dB
60 MHz	16,0 dB/100m	42 dB	39 dB	28 dB	25 dB	22dB
100 Mhz	21,0 dB/100m	36 dB	33 dB	25 dB	22 dB	21dB



CAT5E/UTP(Stranded)

Type	CAT5E/UTP
Packing	305m
Wire size	4x2x(7x0,2mm) (24AWG)
Insulation O.D.	PE0.95mm
Jacket O.D.	PVC5.3mm
Weight	26kg/610m
Wire DC resistance	17Ω/100m
Capacitance	44pF/m
Impedance	100±10Ω
Velocity of propagation	0,72
Delay skew	<40ns/100m

Network Cable

CAT5E/FTP(Stranded)

Type	CAT5E/FTP
Packing	305m
Wire size	4x2x(7x0,2mm) (24AWG)
Insulation O.D.	PE0.95mm
Shield	AL/PET foil
Jacket O.D.	PVC5.3mm
Weight	26kg/610m
Wire DC resistance	17Ω/100m
Capacitance	44pF/m
Impedance	100±10Ω
Velocity of propagation	0,72
Delay skew	<40ns/100m

CAT6/UTP

Type		CAT6/UTP
Packing		305m
Wire size		4x2x0,57mm (23AWG)
Insulation O.D.		PE1.05mm
Jacket O.D.		PVC6.1mm
Wire DC resistance		14Ω /100m
Capacitance		44pF/m
Impedance		100±10Ω
Velocity of propagation		0,69
Delay skew		<40ns/100m
Weight	N.W	14 kg
	G.W	15 kg
Operating temperature		-20℃- +60℃

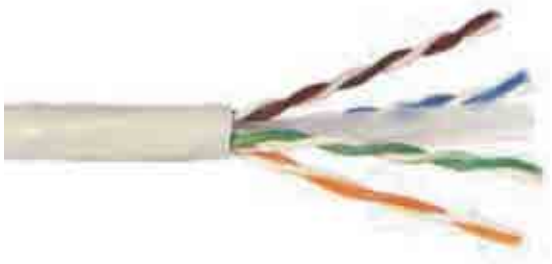
Frequency	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	Return Loss
1MHz	1.9 dB/100m	72 dB	69 dB	68 dB	65 dB	20 dB
10MHz	5,9 dB/100m	65 dB	62 dB	53 dB	50 dB	23 dB
16MHz	7,5 dB/100m	61 dB	58 dB	48 dB	45 dB	26 dB
25MHz	9,3 dB/100m	55 dB	52 dB	45 dB	42 dB	25 dB
40MHz	12,1 dB/100m	53 dB	50 dB	42 dB	39 dB	23 dB
60MHz	14,8 dB/100m	52 dB	49 dB	35 dB	32 dB	22 dB
100MHz	19,3 dB/100m	50 dB	47 dB	31 dB	28 dB	22 dB
150MHz	23,6 dB/100m	43 dB	40 dB	28 dB	25 dB	19 dB
200MHz	27,5 dB/100m	40 dB	37 dB	24 dB	21 dB	18 dB
250MHz	30,6 dB/100m	38 dB	35 dB	21 dB	18 dB	18 dB

GHCABLE

CAT6/FTP

Type		CAT6/FTP
Packing		305m
Wire size		4x2x0,57mm (23AWG)
Insulation O.D.		PE1.17mm
Shield		AL/PET foil
Jacket O.D.		PVC6.1mm
Wire DC resistance		14Ω/100m
Capacitance		44pF/m
Impedance		100±10Ω
Velocity of propagation		0,69
Delay skew		<40ns/100m
Weight	N.W	17 kg
	G.W	18 kg
Operating temperature		-20℃ - +60 ℃

Frequency	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	Return Loss
1MHz	1.9 dB/100m	72 dB	69 dB	68 dB	65 dB	20 dB
10MHz	5,9 dB/100m	65 dB	62 dB	53 dB	50 dB	23 dB
16MHz	7,5 dB/100m	61 dB	58 dB	48 dB	45 dB	26 dB
25MHz	9,3 dB/100m	55 dB	52 dB	45 dB	42 dB	25 dB
40MHz	12,1 dB/100m	53 dB	50 dB	42 dB	39 dB	23 dB
60MHz	14,8 dB/100m	52 dB	49 dB	35 dB	32 dB	22 dB
100MHz	19,3 dB/100m	50 dB	47 dB	31 dB	28 dB	22 dB
150MHz	23,6 dB/100m	43 dB	40 dB	28 dB	25 dB	19 dB
200MHz	27,5 dB/100m	40 dB	37 dB	24 dB	21 dB	17 dB



Common Packing

Paper Roll

Iron Spool

Wooden Spool

Plastic Spool

Gift Box

Poll-out Box

GHCABLE WIREFLEX USCA® COLUMBIANN®

Jiangsu Ganghong Electric Wire & Power Cable Co., Ltd

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