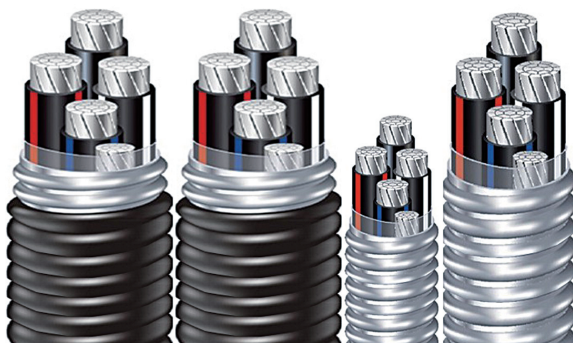


铝合金电缆 Aluminum Power Cable



※产品简介 Brief product introduction

瑞鑫牌 WDZ-YJLH 系列铝合金电缆是瑞鑫集团为节约资源，扩大产品市场份额，运用 30 年的电缆制造经验，历经研发中心技术人员三年时间而研发成功的一种与建筑同寿命的新型电能传输产品。

由于导体采用的是新型铝合金材料，具有可靠性强、安装便捷、性价比高、绿色环保等特性。

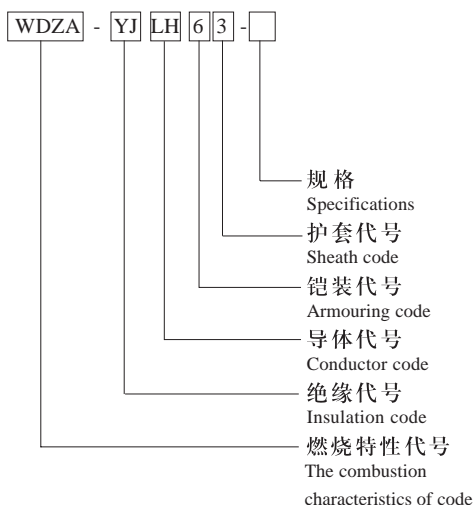
瑞鑫合金电缆经国家权威部门检测合格，多项技术填补国内空白，超越国内先进水平，是真正的高效节能输电产品。公司先进的生产工艺、齐全的检测设备，确保了稳定可靠的产品质量，可满足房地产、电力系统、商场、办公大楼、住宅小区、学校、工业厂房等各个领域的需要。

Ruixin brand WDZ-YJLH series aluminum alloy cable is Ruixin group for the conservation of resources, expand the market share of the products, the use of cable 30 years of manufacturing experience, technology R & D center staff after three years of time and the successful development of a new electric and building with life energy transmission products. Because the conductor adopts new aluminum alloy material, which has high reliability, convenient installation, high ratio of performance to price, green environmental protection etc.. Ruixin alloy cables by the authority of the State Department inspection of qualified, a number of technology to fill the domestic blank, beyond the domestic advanced level, is energy efficient transmission products real. The production technology, complete testing equipment company, advanced, to ensure stable and reliable product quality, and can meet the need of various fields of real estate, electric power system, shopping malls, office buildings, residential areas, schools, industrial building etc..

※型号说明及产品示例 Model and product sample

铝合金导体.....LH
交联聚乙烯绝缘.....YJ
铝合金带联锁铠装.....6
无护套.....0
聚氯乙烯护套.....2.Y
聚乙烯护套.....3.Y

电缆燃烧特性代号和表示方法及燃烧特性要求应符合 GB/T 19666 的规定。



Aluminum alloy conductor
Crosslinked polyethylene insulation
The 3 armoured code
Aluminum alloy with interlocking armour
Without sheath
PVC sheath
Polyolefin sheath
Sign code cable combustion
The provisions of the cable combustion characteristics of code and representation methods and requirements should be in accordance with the combustion characteristics of GB/T19666.

6 举例

- 铝合金导体交联聚乙烯绝缘铝合金带联锁铠装电力电缆，额定电压 0.6/1KV，3 芯，标称截面 120mm² 表示为: WDZA-YJLH60 0.6/1kV 3 × 120
- 铝合金导体交联聚乙烯绝缘铝合金带联锁铠装聚乙烯护套燃 A 类电力电缆，额定电压 0.6/1KV，3+1 芯，标称截面 150mm² 中性线标称截面 95mm² 表示为: WDZA-YJLH63 0.6/1kV 3 × 150+1 × 95
- 铝合金导体交联聚乙烯绝缘氯化乙护套阻燃 C 类电力电缆，额定电压 0.6/1KV，4 芯，标称截面 95mm² 表示为: ZC-YJLHV 0.6/1kV 4 × 95

The 6 example

- aluminum alloy conductor XLPE insulated aluminum alloy with interlocking armored power cable, rated voltage 0.6/1KV, 3 core, the nominal cross section 120mm² expression: WDZA-YJLH60 0.6/1kV 3 × 120
- aluminum alloy conductor XLPE insulated aluminum alloy with interlocking armored polyolefin sheathed flame class A power cable, rated voltage 0.6/1KV, 3+1 core, the nominal cross section 150mm² neutral nominal cross section 95mm² expression: WDZA-YJLH63 0.6/1kV 3 × 150+1 × 95
- aluminum alloy conductor XLPE insulated chloride sheathed flame retardant power cable of rated voltage C class, 0.6/1KV, 4 core, the nominal cross section 95mm² Expressed as: ZC-YJLHV 0.6/1kV 4 × 95

铝合金电缆十大优势

Alloy cable ten advantages



※铠装

采用 5XXX 系列铝合金，坚固的铝合金能够有效保护电缆内部结构。

连锁型铠装电缆的机械和电气性能符合 IEC 关于线缆的各项规范标准，具有散热好、耐腐蚀、低烟无卤的特点。铠装结构采用无重金属、非磁性材料制造，在保护环境的同时，由于非磁性材料的特性，不会像普通钢带铠装那样产生涡流，造成不必要的电能浪费，减少安全隐患。

使用的连锁型铠装技术使得其电缆比常规电缆更具柔韧性，更容易安装。

在固定安装中，瑞鑫合金连锁型铠装电缆的弯曲半径可以仅为电缆外径的 7 倍，方便安装，而且节约空间。

※护套

耐低温性能

电缆通过了国家电线电缆质量监督检验中心的耐低温性能测试，在 -40℃ 条件下，成品电缆低温弯曲及低温冲击实验中，均无裂纹出现，从而证明了其护套卓越的耐低温性能。在我国东北及西北等寒冷地区的室外应用中，瑞鑫合金电缆具有极大优势。

抗紫外线性能

瑞鑫合金电缆同时还通过了国家电线电缆质量监督检验中心的抗紫外线性能测试（人工气候老化试验）。在氙灯气候老化箱中，瑞鑫合金电缆护套材料经过 1008 小时老化后的抗张强度和断裂伸长率的变化率均符合要求。因此，瑞鑫合金电缆具有优秀的耐候性，适宜直接在室外敷设。

无重金属

瑞鑫合金电缆护套不含重金属成份，清洁环保。同其它产品相比，对环境污染小得多。

护套外部有明显的产品名称标识，方便您进行电缆选择。

※连接解决方案

瑞鑫合金电缆推荐的连锁端子和连接方案可以承受最严酷的 1000 次以上热循环试验，以确保连接质量，让用户放心。

Armouring

Alloy for armored cable using 5XXX series aluminum alloy, hard alloy can effectively protect the internal structure of cable.

Mechanical and electrical properties of interlocking armored cable with the IEC specification about cable standard, has the characteristics of good heat dissipation, corrosion resistant, low smoke and no halogen. Armored structure without using heavy metal, made of non-magnetic material, in Protect environment at the same time, because of the characteristics of non magnetic materials, not like ordinary steel tape armour which produce vortex, causing unnecessary electric energy waste, reduce security risks.

Interlocking type armoured technology use makes it more than a conventional cable flexible cable, easy to install.

In a fixed installation, the bending radius of Ruixin alloy interlocking armored cable can only 7 times of cable diameter, easy to install, but also save space.

The low temperature performance of resistance to sheath

Cable through the national quality supervision and Inspection Center for electric wire and cable low-temperature performance test, at the temperature of -40 DEG C under the condition of low temperature, the finished cable bending and low temperature impact experiment, no cracks, which proved that the low resistance to the sheath of excellence. Outdoor application in China's north-east and northwest cold area, Ruixin alloy cable has a great advantage.

Anti UV performance

Ruixin alloy cable also passed the anti ultraviolet performance test of national electric wire and cable supervision and Inspection Center (artificial climate to test). In the xenon weathering aging box, Ruixin alloy cable sheath material after the change of tensile strength and elongation at break of 1008 hours of aging rate all meet the requirements. Therefore, Ruixin alloy cable has excellent weatherability, suitable in outdoor installation.

No heavy metal

Ruixin alloy cable sheath does not contain heavily ingredients, clean and environmental protection. Compared with other products, to the pollution of the environment much less. Sheath outside has obvious product name identification, the convenience of your choice of cable.

Connect solution

Chain terminal Ruixin alloy cable recommended and connection scheme can withstand more than 1000 thermal cycling test the harsh, to ensure that the quality of the connection, let users rest assured.

※绿色环保

瑞鑫合金电缆追求环境可持续发展，进行能源节约和再生减少有害物质，加强废物管理，节约用水。还追求经济可持续发展，降低能源消耗，减少使用木材，降低温室气体排放，降低运输成本，并且增强产品生命周期价值。

以铝代铜，无疑将成为建立节约型社会的重要选择和必由之路。瑞鑫合金电缆不仅克服了铝电缆的种种弊端，而且正逐渐成为低压电力电最终版应用的最待选择，它们以崭新的设计理念和可靠的品质助力节约型社会的建设，并且为实现绿色环保节能的建管作出了积极的贡献。

※合金导体

瑞鑫合金电缆拥有独特的合金配方，借助先进压紧工艺和热处理技术，为低压电力电缆特别开发的合金导体属于 8000 系列铝合金，完全符合美国 ASTM 材料标准和美国 NEC 电气标准。

※创新能力

瑞鑫合金电缆有一支高级专家为首的技术研发团队，长期开展铝合金配方、电缆材料、合金电缆工艺等多方面技术研究，为公司的发展提供技术保障与长久动力。我们的合作方在电缆设备开发研制方面具备较强实力，能够持续的为合金电缆研发或改造适合铝合金电缆生产的电缆生产设备，为铝合金电缆的技术创新提供了强大的设备支持。

※工艺技术

瑞鑫合金电缆采用世界一流生产技术，每一项流程都有专业工程师进行检测，确保电缆的生产质量。

※制造装备

我们的生产设备采用自动控制，电脑实时检测整个制造过程，实现自动化生产和管理，杜绝可能产生的人为产品质量问题。

※服务理念

我们为客户提供售前、售中、售后的全方位服务。

售前我们将利用专业载流设计软件帮您选择合适自己的电缆型号，为您仔细分析比较电缆的性能，让客户放心选择。

售中，我们将派工程师在现场提供安装培训服务，保证安装人员正确进行电缆的安装敷设工作。

售后，我们的专业技术人员对电缆运行的情况进行检测，以保证安装过程符合国家和合金电缆施工安装验收规范，进一步保证了产品运行的稳定。

※绝缘

瑞鑫合金电缆采用了 90℃ 交联聚乙烯绝缘，能在 90℃ 的条件下工作，具有耐耐高温的优点。

所有截面规格的电缆，均有瑞鑫的颜色标识，它们由一个强耐久模压塑料条组成，均匀防止在黑色抗紫外线绝缘层的外部，以保证从任何角度，都能看到导体的色标。

Green environmental protection

Ruixin alloy cable pursuit of environmental sustainable development of energy conservation and regeneration, reduction of harmful substances, to strengthen the management of waste, saving water. Also the pursuit of economic sustainable development of people, reduce energy consumption, reduce the use of wood, the reduction of greenhouse gas emissions, reduce transportation costs, and enhance the product life strike period value.

With aluminum and copper, no condensation will become an important and inevitable choice for the establishment of a conservation oriented society. Ruixin alloy turtle cable not only overcome the drawbacks of aluminum cable, and is gradually becoming the most paternity selection of low voltage power the final version of their application, with the construction of a new design concept and reliable quality of power saving society, and make a positive contribution to the realization of green energy-saving tube construction.

Alloy conductor

Ruixin alloy cables have unique alloy formula, with the aid of advanced pressing process and heat treatment technology for alloy conductor low-voltage power cable specially developed belonging to 8000 Series aluminum alloy, fully comply with the ASTM standard and the United States NEC electrical standard material.

Innovation ability

Ruixin alloy cable has a senior expert LED technology R & D team, long-term development of aluminum alloy composition, cable material, alloy cable technology research aspects of technology, and provide technical support and long-term power for the development of the company. We partner with strong strength in the cable research and development equipment, can be sustained for alloy cable R & D or transformation for cable production equipment of aluminum alloy cable production equipment, provide powerful support for technological innovation aluminum alloy cable.

Process technology

Ruixin alloy cable adopts the world first-class production technology, each process has a professional engineer for testing, to ensure that the cable production quality.

Manufacturing equipment

Our production equipment using automatic computer control, real-time detection of the whole manufacturing process, realize the automation of production and management, eliminate human product quality issues that may arise.

Service concept

We provide customers with pre-sale, sale and after-sale full-service.

We will use professional pre-sales load flow design software to help you choose the type of cable suitable for your careful analysis and comparison, the performance of the cable, allow customers to choose rest assured.

Sale, we will send engineers to provide installation and training services on the site, to ensure the installation work for correct installation of cable.

After, our professional technical staff to carry out the detection of cable operation, to ensure that the installation process conforms to the national and alloy cable construction installation and acceptance of norms, to further ensure the stable operation of the product.

Insulation

Ruixin alloy cable using 90 C cross-linked polyethylene insulation, can work under the temperature of 90 DEG C, has the advantages of high temperature resistance.

All specifications of the cable section, all Ruixin color logo, which consists of a strong durable molded plastic strips, uniform to prevent anti ultraviolet insulating layer of external in black, in order to guarantee from any angle, can see the conductor color coding.

※铜缆与铝合金电缆选型对比表

Copper and aluminum alloy cable loss of voltage comparison table

标称截面 mm ²	YJV22 多芯电缆载流量 A		标称截面 mm ²	YJLH63 多芯电缆载流量 A	
	空气中 40℃	直埋土壤中 25℃		空气中 40℃	直埋土壤中 25℃
3*10	60	77	3*16	62	78
3*16	83	105	3*25	80	95
3*25	105	125	3*35	98	115
3*35	125	155	3*50	120	140
3*50	160	185	3*70	150	170
3*70	200	225	3*95	198	208
3*95	245	270	3*150	245	267
3*120	285	310	3*185	290	300
3*150	325	345	3*240	340	350
3*185	375	390	3*300	390	395
3*240	440	450	3*400	485	495

※铝合金电缆卓越的性价比

Aluminum alloy cable outstanding cost performance

型号 model	YLV22 4 × 150	YJLH63 4 × 240	备注
导体材质	铜	铝、硼、镁、硅	
导体形状	圆型单绞合压型成扇形	异型单绞合成圆形	
绝缘材质	XLPE	耐候 × LPE	寿命远高于铜缆
护套材质	PVC	铝合金加聚烯烃	
螺纹外包	非螺纹外包	铝合金螺纹外包	降低施工难度
电缆直径	50mm	58mm	
设计使用年限	=30 年聚乙烯	同建筑寿命	
安全	安全	安全	
提供客户	电缆产品	系统解决方案	
弯曲半径	≥ 15d	≥ 8d	节约人力成本
抗疲劳强度	优	极佳	远高于铜缆
柔软性能	优	极佳	远高于铜缆
载流量对比	320A	340A	载流量高于铜电缆
阻燃等级	普通	低烟、无卤、阻燃 A 类	优于传统铜缆
电压降	0.29	0.29	相同
抗拉强度	优	极佳	
防腐性能	优	极佳	
抗机械外力	一般	极佳	远高于铠装电缆
反弹性能	高	优	远低于铜缆
电缆总重量	7186KG/Km	4745KG/Km	节约人力成本

四、结构参数及重量 Structure parameters and weight

1 芯结构图及参数 1-Core Structure Map and Parameters

标称截面 mm ²	导体直径 mm	绝缘厚度 mm	电缆近似外径 (mm)			电缆近似总量 (kg/km)			20℃时导体 直流电阻 D.C Ω /km	绝缘电阻 D.C Ω /km	电缆参考载流量 A	
			WDZ-YJLH60	WDZ-YJLH63	WDZ-YJLHY	WDZ-YJLH60	WDZ-YJLH63	WDZ-YJLHY			空气中 40℃	直埋土壤中 25℃
1*10	3.92	0.70	9.48	13.08	8.72	112	201	92	3.08	≥ 0.523	58	68
1*16	4.90	0.70	10.46	14.06	9.70	141	238	117	1.91	≥ 0.431	77	89
1*25	6.05	0.90	12.01	15.61	11.25	190	299	159	1.20	≥ 0.444	100	113
1*35	7.14	0.90	13.10	16.70	12.34	236	354	200	0.868	≥ 0.379	122	130
1*50	8.48	1.00	14.64	18.24	13.88	305	435	262	0.641	≥ 0.355	148	163
1*70	10.14	1.10	16.50	20.10	15.94	394	538	350	0.443	≥ 0.335	188	198
1*95	11.80	1.10	18.16	21.76	17.60	493	651	443	0.320	≥ 0.290	227	236
1*120	13.19	1.20	21.09	24.69	19.39	593	774	545	0.253	≥ 0.282	268	272
1*150	14.81	1.40	23.11	26.73	21.41	721	919	666	0.206	≥ 0.294	306	308
1*185	16.42	1.60	25.12	28.92	23.62	864	1090	813	0.164	≥ 0.303	356	351
1*240	18.67	1.70	27.57	31.57	26.27	1074	1334	1026	0.125	≥ 0.283	425	405
1*300	20.90	1.80	30.00	34.20	28.90	1295	1591	1254	0.100	≥ 0.263	490	460
1*400	24.14	2.00	33.64	38.04	32.74	1669	2016	1635	0.0778	≥ 0.243	585	530

3 芯结构图及参数 3-Core Structure Map and Parameters

标称截面 mm ²	导体直径 mm	绝缘厚度 mm	电缆近似外径 (mm)			电缆近似总量 (kg/km)			20℃时导体 直流电阻 D.C Ω /km	绝缘电阻 D.C Ω /km	电缆参考载流量 A	
			WDZ-YJLH60	WDZ-YJLH63	WDZ-YJLHY	WDZ-YJLH60	WDZ-YJLH63	WDZ-YJLHY			空气中 40℃	直埋土壤中 25℃
3*10	3.92	0.70	15.65	19.25	14.89	265	404	218	3.08	≥ 0.523	45	57
3*16	4.90	0.70	17.77	21.37	17.21	344	499	295	1.91	≥ 0.431	62	78
3*25	6.05	0.90	22.46	26.06	20.76	475	667	423	1.20	≥ 0.444	80	95
3*35	7.14	0.90	24.81	28.61	23.31	605	828	554	0.868	≥ 0.379	98	115
3*50	8.48	1.00	28.14	32.14	26.84	795	1060	746	0.641	≥ 0.355	120	140
3*70	10.14	1.10	32.15	36.35	31.25	1044	1360	1012	0.443	≥ 0.335	150	170
3*95	11.80	1.10	35.74	40.34	35.04	1326	1711	1304	0.320	≥ 0.290	198	208
3*120	13.19	1.20	39.17	43.97	38.67	1612	2051	1602	0.253	≥ 0.282	316	235
3*150	14.81	1.40	45.64	50.84	43.44	1976	2528	2001	0.206	≥ 0.294	245	267
3*185	16.42	1.60	49.98	55.38	47.98	2387	3012	2432	0.164	≥ 0.303	290	300
3*240	18.67	1.70	55.27	61.07	53.67	2992	3734	3087	0.125	≥ 0.283	340	350
3*300	20.90	1.80	60.52	66.72	59.32	3632	4499	3786	0.100	≥ 0.263	390	395
3*400	24.14	2.00	68.38	75.18	67.58	4721	5795	4953	0.0778	≥ 0.243	485	495

4 芯结构图及参数 4-Core Structure Map and Parameters

标称截面 mm ²	导体直径 mm	绝缘厚度 mm	电缆近似外径 (mm)			电缆近似总量 (kg/km)			20℃时导体 直流电阻 D.C Ω /km	绝缘电阻 D.C Ω /km	电缆参考载流量 A	
			WDZ-YJLH60	WDZ-YJLH63	WDZ-YJLHY	WDZ-YJLH60	WDZ-YJLH63	WDZ-YJLHY			空气中 40℃	直埋土壤中 25℃
4*10	3.92	0.70	17.03	20.63	16.47	323	472	277	3.08	≥ 0.523	45	57
4*16	4.90	0.70	19.41	23.01	19.05	423	591	376	1.91	≥ 0.431	62	78
4*25	6.05	0.90	24.50	28.30	23.00	590	810	540	1.20	≥ 0.444	80	95
4*35	7.14	0.90	27.13	30.93	25.83	757	999	710	0.868	≥ 0.379	98	115
4*50	8.48	1.00	30.86	35.06	29.76	1002	1306	959	0.641	≥ 0.355	120	140
4*70	10.14	1.10	35.36	39.76	34.66	1324	1688	1302	0.443	≥ 0.335	150	170
4*95	11.80	1.10	39.38	44.18	38.88	1692	2133	1682	0.320	≥ 0.290	198	208
4*120	13.19	1.20	45.33	50.53	42.93	2065	2613	2070	0.253	≥ 0.282	316	235
4*150	14.81	1.40	50.22	55.82	48.22	2540	3193	2586	0.206	≥ 0.294	245	267
4*185	16.42	1.60	55.08	60.88	53.48	3077	3816	3172	0.164	≥ 0.303	290	300
4*240	18.67	1.70	61.01	67.21	59.81	3871	4745	4027	0.125	≥ 0.283	340	350
4*300	20.90	1.80	66.89	73.49	66.09	4711	5730	4938	0.100	≥ 0.263	390	395
4*400	24.14	2.00	75.70	82.90	75.50	6145	7400	6498	0.0778	≥ 0.243	485	495

5 芯结构图及参数 5-Core Structure Map and Parameters

标称截面 mm ²	导体直径 mm	绝缘厚度 mm	电缆近似外径 (mm)			电缆近似总量 (kg/km)			20℃时导体 直流电阻 D.C Ω /km	绝缘电阻 D.C Ω /km	电缆参考载流量 A	
			WDZ-YJLH60	WDZ-YJLH63	WDZ-YJLHY	WDZ-YJLH60	WDZ-YJLH63	WDZ-YJLHY			空气中 40℃	直埋土壤中 25℃
5*10	3.92	0.70	18.53	22.12	17.96	382	543	330	3.08	≥ 0.523	45	57
5*16	4.90	0.70	22.51	26.11	20.81	503	695	450	1.91	≥ 0.431	62	78
5*25	6.05	0.90	26.70	30.50	25.40	706	945	661	1.20	≥ 0.444	80	95
5*35	7.14	0.90	29.64	33.64	28.54	911	1189	870	0.868	≥ 0.379	98	115
5*50	8.48	1.00	33.80	38.20	32.90	1211	1560	1177	0.641	≥ 0.355	120	140
5*70	10.14	1.10	38.82	43.62	38.32	1608	2043	1598	0.443	≥ 0.335	150	170
5*95	11.80	1.10	45.40	50.60	43.00	2061	2610	2067	0.320	≥ 0.290	198	208
5*120	13.19	1.20	49.69	55.09	47.69	2521	3143	2567	0.253	≥ 0.282	316	235
5*150	14.81	1.40	55.15	60.95	53.55	3108	3848	3203	0.206	≥ 0.294	245	267
5*185	16.42	1.60	60.57	66.77	59.37	3771	4640	3926	0.164	≥ 0.303	290	300
5*240	18.67	1.70	67.19	73.99	66.39	4755	5811	4983	0.125	≥ 0.283	340	350
5*300	20.90	1.80	73.75	80.95	73.35	5796	7021	6109	0.100	≥ 0.263	390	395
5*400	24.14	2.00	83.58	91.38	83.98	7575	9075	8074	0.0778	≥ 0.243	485	495

3+1 芯结构图及参数 3+1-Core Structure Map and Parameters

标称截面 mm ²	导体直径 mm	绝缘厚度 mm	电缆近似外径 (mm)			电缆近似总量 (kg/km)			20℃时导体 直流电阻 D.C Ω /km	绝缘电阻 D.C Ω /km	电缆参考载流量 A	
			WDZ-YJLH60	WDZ-YJLH63	WDZ-YJLHY	WDZ-YJLH60	WDZ-YJLH63	WDZ-YJLHY			空气中 40℃	直埋土壤中 25℃
3*16+1*10	4.90	0.70	18.8	22.41	18.25	398	561	345	1.91	≥ 0.431	62	78
3*25+1*16	6.05	0.90	23.56	27.16	22.06	548	749	501	1.20	≥ 0.444	80	95
3*35+1*16	7.14	0.90	25.54	29.34	24.04	673	903	620	0.868	≥ 0.379	98	115
3*50+1*25	8.48	1.00	29.27	33.27	28.17	899	1174	859	0.641	≥ 0.355	120	140
3*70+1*35	10.14	1.10	33.31	37.71	32.41	1182	1526	1148	0.443	≥ 0.335	150	170
3*95+1*50	11.80	1.10	37.25	41.85	36.55	1520	1920	1495	0.320	≥ 0.290	198	208
3*120+1*70	13.19	1.20	41.26	46.06	40.96	1880	2341	1886	0.253	≥ 0.282	316	235
3*150+1*70	14.81	1.40	47.03	52.23	44.83	2236	2804	2260	0.206	≥ 0.294	245	267
3*185+1*95	16.42	1.60	51.68	57.28	49.88	2731	3402	2799	0.164	≥ 0.303	290	300
3*240+1*120	18.67	1.70	57.09	63.09	55.69	3420	4212	3542	0.125	≥ 0.283	340	350
3*300+1*150	20.90	1.80	62.72	69.12	61.72	4168	5096	4355	0.100	≥ 0.263	390	395
3*400+1*185	24.14	2.00	70.54	77.54	69.94	5378	6518	5647	0.0778	≥ 0.243	485	495

3+2 芯结构图及参数 3+2-Core Structure Map and Parameters

标称截面 mm ²	导体直径 mm	绝缘厚度 mm	电缆近似外径 (mm)			电缆近似总量 (kg/km)			20℃时导体 直流电阻 D.C Ω /km	绝缘电阻 D.C Ω /km	电缆参考载流量 A	
			WDZ-YJLH60	WDZ-YJLH63	WDZ-YJLHY	WDZ-YJLH60	WDZ-YJLH63	WDZ-YJLHY			空气中 40℃	直埋土壤中 25℃
3*16+2*10	4.90	0.70	21.45	25.05	19.75	454	638	405	1.91	≥ 0.431	62	78
3*25+2*16	6.05	0.90	25.02	28.82	23.52	625	850	573	1.20	≥ 0.444	80	95
3*35+2*16	7.14	0.90	26.79	30.59	25.49	748	987	702	0.868	≥ 0.379	98	115
3*50+2*25	8.48	1.00	30.96	35.16	29.86	1009	1315	966	0.641	≥ 0.355	120	140
3*70+2*35	10.14	1.10	35.15	39.55	34.45	1329	1690	1307	0.443	≥ 0.335	150	170
3*95+2*50	11.80	1.10	39.50	44.30	39.00	1721	2164	1711	0.320	≥ 0.290	198	208
3*120+2*70	13.19	1.20	46.18	51.38	43.98	2156	2714	2180	0.253	≥ 0.282	316	235
3*150+2*70	14.81	1.40	49.46	54.86	47.46	2508	3127	2553	0.206	≥ 0.294	245	267
3*185+2*95	16.42	1.60	54.50	60.30	52.90	3087	3820	3182	0.164	≥ 0.303	290	300
3*240+2*120	18.67	1.70	60.19	66.39	58.99	3862	4725	4015	0.125	≥ 0.283	340	350
3*300+2*150	20.90	1.80	66.31	72.91	65.51	4721	5731	4946	0.100	≥ 0.263	390	395
3*400+2*185	24.14	2.00	74.38	81.58	74.18	6054	7288	6401	0.0778	≥ 0.243	485	495

4+1 芯结构图及参数 4+1-Core Structure Map and Parameters

标称截面 mm ²	导体直径 mm	绝缘厚度 mm	电缆近似外径 (mm)			电缆近似总量 (kg/km)			20℃时导体 直流电阻 D.C Ω /km	绝缘电阻 D.C Ω /km	电缆参考载流量 A	
			WDZ-YJLH60	WDZ-YJLH63	WDZ-YJLHY	WDZ-YJLH60	WDZ-YJLH63	WDZ-YJLHY			空气中 40℃	直埋土壤中 25℃
4*16+1*10	4.90	0.70	22.18	25.78	20.48	481	671	429	1.91	≥ 0.431	62	78
4*25+1*16	6.05	0.90	26.06	29.86	24.56	667	901	613	1.20	≥ 0.444	80	95
4*35+1*16	7.14	0.90	28.41	32.41	27.11	831	1099	782	0.868	≥ 0.379	98	115
4*50+1*25	8.48	1.00	32.58	36.78	31.68	1112	1433	1080	0.641	≥ 0.355	120	140
4*70+1*35	10.14	1.10	37.18	41.78	36.48	1470	1870	1446	0.443	≥ 0.335	150	170
4*95+1*50	11.80	1.10	41.60	46.60	41.30	1893	2378	1899	0.320	≥ 0.290	198	208
4*120+1*70	13.19	1.20	48.14	53.54	45.94	2341	2944	2365	0.253	≥ 0.282	316	235
4*150+1*70	14.81	1.40	52.50	58.10	50.70	2810	3491	2879	0.206	≥ 0.294	245	267
4*185+1*95	16.42	1.60	57.74	63.74	56.34	3432	4233	3555	0.164	≥ 0.303	290	300
4*240+1*120	18.67	1.70	63.89	70.29	62.89	4311	5255	4500	0.125	≥ 0.283	340	350
4*300+1*150	20.90	1.80	70.23	77.23	69.63	5261	6396	5528	0.100	≥ 0.263	390	395
4*400+1*185	24.14	2.00	79.18	86.78	79.23	6816	8203	7229	0.0778	≥ 0.243	485	495



安装工序 The installation process



1. 根据端子插入深度，确定电缆剥除绝缘长度，并用非导电色笔标记。

1. According to terminal insertion depth, determine cable stripping off Ku length, and the conductive color pen mark.



2. 将缆芯绝缘层去除，使其与接头匹配。采用削铅笔方式，不可环切。

2. Remove cable core insulation layer, with the joint matching. Adopts the way of cutting pencil, not cutting.



3. 去除外皮后的电缆应该是这个样子。

3. Remove the skins after the cable should be like this.



4. 日用钢丝将接头刷干净，也可根据接头生产商的建议进行清理。

4. Daily wire joint brush clean, can also be used on the advice of the connector manufacturers to clean up.



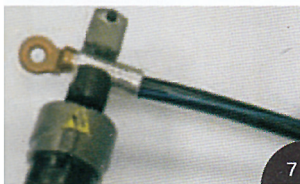
5. 有些压缩式接头含有事先注入的抗氧化剂。若没有，需要在暴露的电缆是涂上一层抗氯化剂。

5. Some compression type joint anti-oxidant containing injection in advance. If no, need in the exposure of the cable is coated with a layer of chlorinating agent.



6. 将电缆插入压缩式接头，注意应将导体插入子底部。

6. Insert the cable into the compression type joint, pay attention to the bottom of the conductor shall be introns.



7. 选用合适的工具、横具压接端子。

7. Choose the right tools, transverse crimping terminal.



8. 将渗出来的多余粘接剂擦干净。

8. The redundant dope clean will leak out.



9. 压接完成后如上图。

9. After the completion of the pressure as shown above.



10. 连接前应使用绝缘套管或绕包绝缘胶带。

10. The connection should be used before insulation casing or winding and electrical tape.