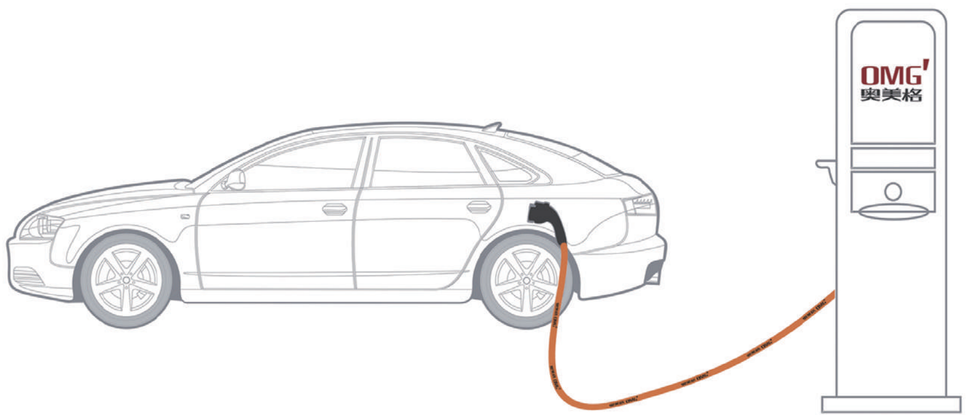
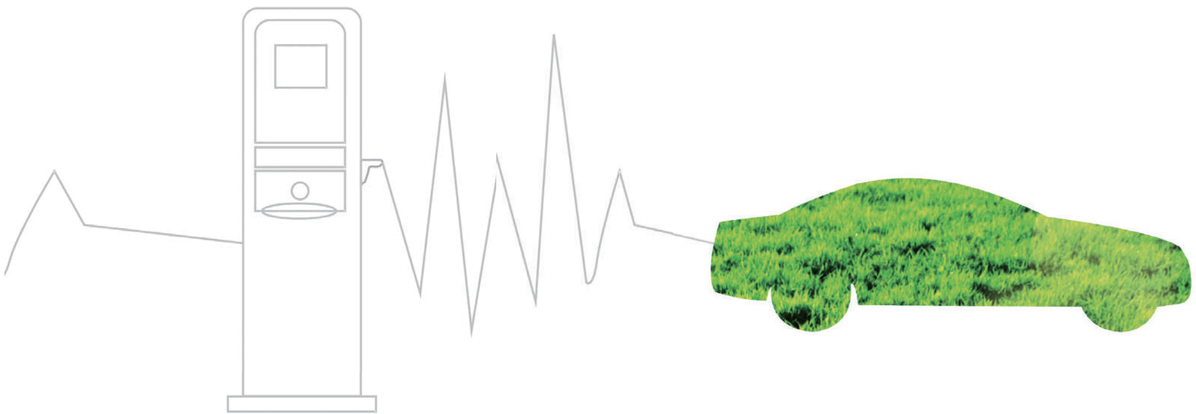




广东奥美格传导科技股份有限公司
Guangdong OMG Transmitting Technology Co., ltd.

广东奥美格传导科技股份有限公司
Guangdong OMG Transmitting Technology Co., Ltd

OMG 奥美格

目录
DIRECTORY

公司简介 | COMPANY PROFILE

广东奥美格传导科技股份有限公司，经过27年的稳步发展，现已成为优秀的新能源汽车电缆解决方案提供商。奥美格致力于成为全球一流的新能源汽车电缆方案提供商，2016年先后被认定为东莞市专利优势企业、广东省新能源汽车智能电气工程技术研究心、2017年度电动汽车核心零部件百强企业之一。

我们的产品和技术已服务于全球各大汽车和知名连接器公司，主要客户Ampheol、ITT、DEGSON、KST、SINBON、DELTA.ABB、IAE、ATL、DANA奥美格全面引进和实施IS 9001:2015、IATF 16949:2016质量管理体系，先后参与起草《电动汽车导电充电系统电缆技术规范》(CQC1103-2015、CQC1104-2015、CQC1105-2015)和《电动汽车充电用电缆》(GB/T33594-2017)《电动汽车传导充电用连接装置》GB/T 20234.1-2015等标准。

奥美格与哈尔滨理工大学合作，一直在电缆产品行业进行电缆产品和材料的研发。奥美格在新能源电动汽车电缆行业共获得发明专利23项、实用新型专利95项、外观专利3项、软件著作权8项、作品著作权4项。正在申请的发明专利20项，实用新型专利6项。目前，奥美格已成立欧洲办事处，与全球连接器企业建立业务合作关系，2022年销售额实现60%增长。未来，奥美格将不断深入更多国家和地区，为更多企业和用户提供新能源汽车电缆解决方案，助力新能源行业的快速发展。

奥美格一只为安全。

广东奥美格传导科技股份有限公司
Guangdong OMG Transmitting Technology Co., Ltd

安徽奥美格传导科技有限公司
Anhui OMG Transmitting Technology Co., Ltd

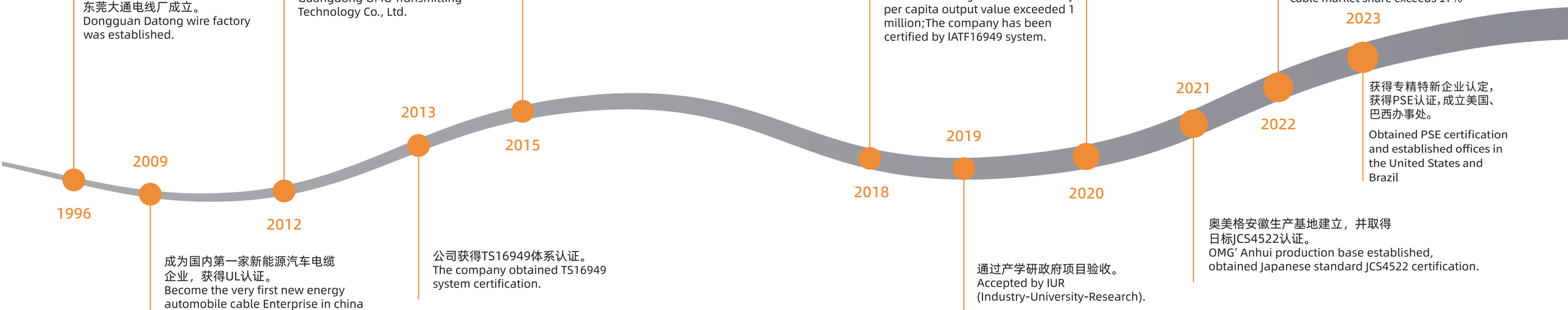
Guangdong OMG Transmitting Technology Co., Ltd, after 27 years of steady development, has become an excellent new energy vehicle cable solution provider, with a global market share of more than 10% of EV charging cables, product footprints in more than 40 countries and regions, with two production bases and two offices. OMG EV CABLE is committed to become a global first-class new energy vehicle cable solution provider, and was recognized as Dongguan Patent Advantage Enterprise, Guangdong Province New Energy Vehicle Intelligent Electrical Engineering Technology Research Center in 2016 , and Top 100 Electric Vehicle Core Components Enterprise in 2017.

Our products and technologies have served major global automotive and well-known connector companies, with major customers such as Amphenol, ITT, DEGSON, KST, SINBON, DELTA, ABB, JAE, ATL, DANA. OMG EV CABLE has fully introduced and implemented ISO 9001:2015, IATF 16949:2016 quality management system. We have participated in the drafting of the Technical Specification for Electric Vehicle Conductive Charging System Cables (CQC1103-2015, CQC1104-2015, CQC1105-2015) and Electric Vehicle Charging Cables (GB/T33594-2017), EV Conductive Charging Connection Device GB/T 20234.1-2015 and other standards.

OMG has been cooperating with Harbin University of Science and Technology in the cable product industry for the research and development of cable products and materials. omg has obtained 23 invention patents, 95 utility model patents, 3 appearance patents, 8 software copyrights and 4 works copyrights in the new energy electric vehicle cable industry. There are 20 invention patents and 6 utility model patents under application. At present, OMG has set up European office and established business partnership with global connector companies to achieve 60% sales growth in 2022. In the future, OMG will continue to penetrate more countries and regions, provide more enterprises and users with new energy automotive cable solutions, and help the rapid development of the new energy industry.

OMG EV CABLE —— Just for safe

发展历程 | DEVELOPMENT COURSE



1996

东莞大通电线厂成立。
Dongguan Datong wire factory was established.

2009

成为国内第一家新能源汽车电缆企业，获得UL认证。
Become the very first new energy automobile cable Enterprise in china and obtained UL certification.

2012

公司更名为广东奥美格传导科技股份有限公司。
The company changed its name to Guangdong OMG Transmitting Technology Co., Ltd.

2013

公司获得TS16949体系认证。
The company obtained TS16949 system certification.

2015

成为国内首批通过CQC与DEKRA充电电缆新标准双认证的公司。
Become one of the first companies to pass the CQC and DEKRA charging cable new standard double certification.

2018

充电电缆占领了国内主要市场业绩超过历史最高水平，人均产值突破100万，公司获得IATF16949体系认证。
Charging cable occupied the main domestic market performance exceeded the highest level in history per capita output value exceeded 1 million;The company has been certified by IATF16949 system.

2019

通过产学研政府项目验收。
Accepted by IUR (Industry-University-Research).

2020

全球首家IEC直流充电电缆认证。
The world's first IEC DC charging cable certification.

2021

奥美格安徽生产基地建立，并取得日标JCS4522认证。
OMG' Anhui production base established, obtained Japanese standard JCS4522 certification.

2022

成立德国办事处，获得IEC液冷充电电缆认证。2022年营业额实现60%增长，充电电缆市场占有率超过17%
Established German office and obtained IEC liquid-cooled charging cable certification. Achieving 60% growth in turnover by 2022.Charging cable market share exceeds 17%

2023

获得专精特新企业认定，获得PSE认证，成立美国、巴西办事处。
Obtained PSE certification and established offices in the United States and Brazil

企业文化 | CORPORATE CULTURE

公司使命
绿色传导，造福人类

公司愿景
在新能源电动汽车充电领域成为
受人尊敬的国际型企业

价值观
以满足客户正确合理需求为宗旨
以完成员工的岗位目标为准则

质量方针
客户为尊，质量为重
全员参与，持续改进

安全政策
安全第一，预防为主
风险管理，全员参与

Corporate mission
Green conduction for the benefit of mankind

Corporate vision
In the field of new energy electric vehicle charging become
A respected international enterprise

Values
To meet the correct and reasonable needs of customers as the purpose
To accomplish the job goals of employees as a guideline

Quality policy
Customer respect, quality-oriented
Full participation, continuous improvement

Security policy
Safety first, prevention first
Risk management, full participation

企业荣誉 | ENTERPRISE HONOR

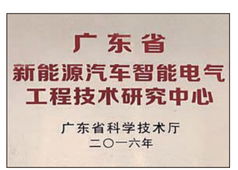
广东省民营科技企业
Guangdong Private Technology Enterprise

东莞松山湖高新技术企业上市促进会副会长
Vice President of Dongguan Songshan Lake High-tech Enterprise Listing Promotion Association

广东省电缆行业协会副会长
Vice President of Guangdong Cable Industry Association

广东哈理工校友专家委员会
Guangdong HIT Alumni Expert Committee

高新技术企业
High and New Technology Enterprise



广东新能源汽车智能电气工程技术研究中心
Guangdong New Energy Vehicle Intelligent Electrical Engineering Technology Research Center

广东省名牌产品
Guangdong Famous Brand Products

IATF16949认证
IATF16949 certification

质量管理体系认证证书
Quality management system certification

2019年ISO监督审核合格通知书
2019 ISO Supervision and Audit Qualification Notice

产品证书 | PRODUCT CERTIFICATE

KK-101918荷兰版认证
KK-101918 Dutch version certification

TUV认证
TUV certification

UL认证
UL certification

UL认证
UL certification

CQC认证
CQC certification

CQC认证
CQC certification

CQC认证
CQC certification

CQC认证
CQC certification

专利证书 | PATENT CERTIFICATE

线缆端子成型装置专利
Patent for cable terminal forming device

电缆编制机专利
Cable preparation machine patent

新型结构电线电缆专利
New structure wire and cable patent

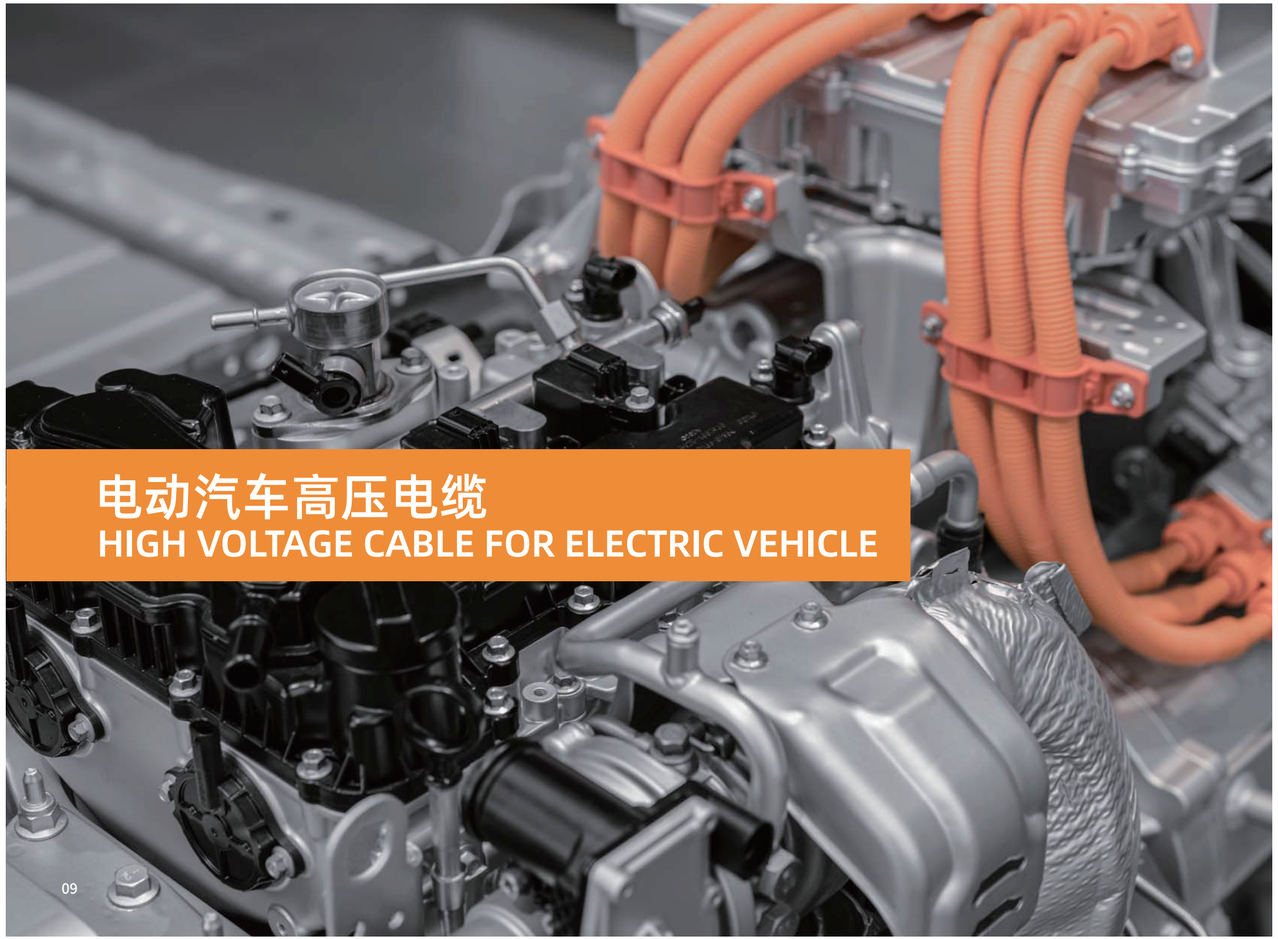
新型电线电缆专利
New wire and cable patent

线缆自动分盘机专利
Patent for automatic cable splitting machine

一种轴盘式收放线转盘专利
A kind of spool type take-up and payoff turntable patent

一种计米器专利
A kind of meter counter patent

线缆退扭回收装置专利
Patent for cable rewind recovery device



电动汽车高压电缆
HIGH VOLTAGE CABLE FOR ELECTRIC VEHICLE

■ 新能源汽车高压电缆简介
INTRODUCTION TO HIGH-VOLTAGE CABLES FOR NEW ENERGY VEHICLES

电动汽车高压线是用于连接充电口与电池、电池内部、电池与发动机及其他元器件以及电池储能设备等领域，作为电力传输的载体。由于车内应用环境恶劣，电动汽车高压线有着非常高的性能要求。

EV High voltage cables,as the carrier of power transmission,are used to connect the charging port to the battery, inside the battery, between the batter and the engine and other components, as well as battery energy storage equipment and other areas. Due to the harsh application environment in the vehicle, electric vehicle high voltage cables have very high performance requirements.

■ 奥美格产品优势和特点
OMG PRODUCT ADVANTAGES AND FEATURES

奥美格的车内高压电缆产品，执行ISO6722-1、ISO6722-2、ISO14572、LV216、ISO19642、UL758等国际标准，同时也广泛的生产以QC/T1037为主的国内标准产品，在此基础上还推出了领先行业标准的企业标准，并上升为广东省地方标准，标准编号为DB44/T 2100—2018，此外还可以广泛的生产一些客户定制产品。导体材质有裸铜、镀锡铜和铝合金等各种导体类型。

The OMG high voltage cable products, can perform ISO6722-1、ISO6722-2、ISO14572、LV216、ISO19642、UL758 and other international standards, we also widely produce domestic standard products mainly based on QC/T1037, on the basis of this also launched a leading industry standard enterprise standard, and to rise to the Guangdong province local standards, standard Numbers is DB44 / T 2100 2018, moreover we can also produce some customized products.Conductor material is bare copper, tin-plated copper and aluminum alloy and other conductor types.

奥美格的产品有以下特点：
OMG products has the following characteristics:

产品柔软、弯曲半径达5D以下；耐高低温、耐油、耐酸碱、耐水、耐磨、抗开裂、抗UV；阻燃性能好；导电性能好，导体温升小；所有材料符合RoHS2.0环保标准。

The cable is very soft, and the minimum bending radius reach to 5 times of cable diameter; Resistance to high and low temperature, oil, acid and alkali , water, cracking, and UV; good performance of flame retardant; The conductor has good conductivity and a small temperaturerise; all materials comply with the latest standard of RoHS2.0.

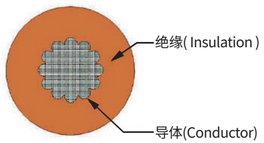
道路车辆用高压电缆
HIGH VOLTAGE CABLES FOR ROAD VEHICLE

产品参考标准| REFERENCE STANDARD：
QC/T 1037-2016、IS0 19642-2019-5、IS0 19642-2019-9、LV216
E-MARK批准号 | APPROVAL NO:
E24*118R03/ 01*0375*00

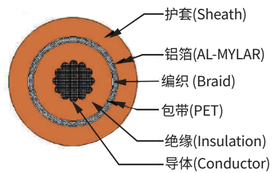
■ 产品描述 | PRODUCT DESCRIPTION

结构 Construction	电缆特性 Features
1. 导体 Conductor	1. 额定温度 Rated temperature：-40℃～+(125℃,150℃)
材质 Material : 裸铜 Bare Copper	2. 额定电压 Rated Voltage：AC 600V/DC 900V;AC 1000V/DC 1500V
2. 绝缘 Insulation	3. 短期老化 Short-term Aging ：240h,Comply with QC/T 1037
材质 Material : XLPE	4. 长期老化 Long-term Aging：3000h,Comply with QC/T 1037
颜色 Color：橙色 Orange	5. 燃烧测试 Flame Test：Comply With QC/T 1037
3. 屏蔽 Shielded	6. 最小弯曲半径 Min：Bending Radius: 4*OD@OD < 15mm ; 6*OD@OD≧15mm
材质 Materi al : 镀锡铜 Tinned Copper	7. 耐压 Dielectric Voltage：5kVac/5min. No Breakdown
4.护套 Sheath	8. 耐油 Oil Resistance：Comply With QC/T 1037
材质 Material : XLPE	9. 抗撕裂 Anti-tear Performance：>20N/mm
颜色 Color : 橙色 Orange	10.环保要求 Environmental Requirements：Compliant with RoHS2.0 and REACH

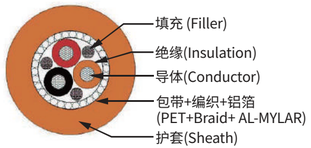
■ 产品结构图|PRODUCT STRUCTURE DIAGRAM



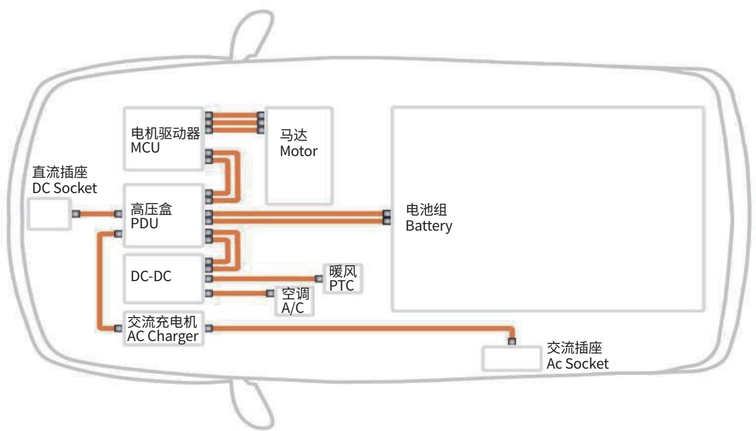
非屏蔽电缆截面图
Un shielded cable cross section diagram



屏蔽电缆截面图
Shielded cable cross section diagram



多芯电缆截面图
Multi-core cable cross-section diagram



AC 1000V/DC 1500V(屏蔽 Shielding)

产品系列 Product Series	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistancemΩ/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	完成外径 Over diameter mm (Ref.)
QZJP2-C QZJP2-D	10mm²	4.50	1.82	70	9.50
	16mm²	5.60	1.16	95	11.30
	25mm²	7.20	0.743	130	13.50
	35mm²	8.30	0.527	160	14.50
	50mm²	10.10	0.368	210	17.00
	70mm²	12.10	0.259	260	19.00
	95mm²	14.50	0.196	320	21.60
	120mm²	15.90	0.153	370	23.00
以上产品规格、尺寸、结构可能因为技术进步而有所改变，同类规格可根据客户使用需求进行设计制造。 The specifications, sizes and structures of above product may change due to technological progress, and similar specifications can be designed and manufactured according to customer usage requirements.					

AC 600V/DC 900V(屏蔽 Shielding)

产品系列 Product Series	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistancemΩ/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	完成外径 Over diameter mm (Ref.)
QBJP2-C QBJP2-D	1.5mm²	1.60	12.7	18	4.00
	2.5mm²	2.06	7.60	25	4.60
	4mm²	2.70	4.71	35	5.40
	6mm²	3.40	3.14	45	6.40
	10mm²	4.50	1.82	70	8.20
	16mm²	5.60	1.16	95	9.50
	25mm²	7.20	0.743	130	11.50
	35mm²	8.30	0.527	160	13.50
	50mm²	10.10	0.368	210	15.50
	70mm²	12.10	0.259	260	18.00
以上产品规格、尺寸、结构可能因为技术进步而有所改变，同类规格可根据客户使用需求进行设计制造。 The specifications, sizes and structures of above product may change due to technological progress, and similar specifications can be designed and manufactured according to customer usage requirements.					

AC 1000V/DC 1500V(非屏蔽 Unshielded)

产品系列 Product Series	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistancemΩ/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	完成外径 Over diameter mm (Ref.)
QZJ-C QZJ-D	10mm²	4.50	1.82	70	6.80
	16mm²	5.60	1.16	95	8.00
	25mm²	7.20	0.743	130	10.00
	35mm²	8.30	0.527	160	11.00
	50mm²	10.10	0.368	210	13.00
	70mm²	12.10	0.259	260	15.00
	95mm²	14.50	0.196	320	17.30
	120mm²	15.90	0.153	370	19.00
以上产品规格、尺寸、结构可能因为技术进步而有所改变，同类规格可根据客户使用需求进行设计制造。 The specifications, sizes and structures of above product may change due to technological progress, and similar specifications can be designed and manufactured according to customer usage requirements.					

AC 600V/DC 900V(非屏蔽Unshielded)

产品系列 Product Series	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistancemΩ/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	完成外径 Over diameter mm (Ref.)
QBJ-C QBJ-D	1.5mm²	1.60	12.7	18	2.30
	2.5mm²	2.06	7.60	25	2.85
	4mm²	2.70	4.71	35	3.55
	6mm²	3.40	3.14	45	4.15
	10mm²	4.50	1.82	70	5.60
	16mm²	5.60	1.16	95	6.90
	25mm²	7.20	0.743	130	8.40
	35mm²	8.30	0.527	160	9.80
	50mm²	10.10	0.368	210	11.90
	70mm²	12.10	0.259	260	14.10
以上产品规格、尺寸、结构可能因为技术进步而有所改变，同类规格可根据客户使用需求进行设计制造。 The specifications, sizes and structures of above product may change due to technological progress, and similar specifications can be designed and manufactured according to customer usage requirements.					

ISO19642 高压电缆
ISO19642 HV CABLE

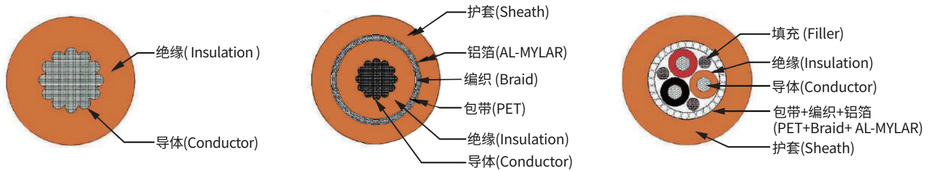
产品参考标准| REFERENCE STANDARD：

ISO 19642-2019-5、ISO 19642-2019-9

■产品描述 | PRODUCT DESCRIPTION

结构 Construction	电缆特性 Features
1. 导体 Conductor	1. 额定温度 Rated temperature：-40°C～+(125°C,150°C)
材质 Material : 裸铜 Bare Copper	2. 额定电压 Rated Voltage：AC 600V/DC 900V;AC 1000V/DC 1500V
2. 绝缘 Insulation	3. 短期老化 Short-term Aging ：240h,Comply with ISO 19642
材质 Material : XLPE	4. 长期老化 Long-term Aging：3000h,Comply with ISO 19642
颜色 Color：橙色 Orange	5. 燃烧测试 Flame Test：Comply With ISO 19642
3. 屏蔽 Shielded	6. 最小弯曲半径 Min：Bending Radius: 4*OD@OD < 15mm ; 6*OD@OD≧15mm
材质 Materi al : 镀锡铜 Tinned Copper	7. 耐压 Dielectric Voltage：10kVac/5min. No Breakdown
4.护套 Sheath	8. 耐油 Oil Resistance：Comply With ISO 19642
材质 Material : XLPE	9. 抗撕裂 Anti-tear Performance :>20N/mm
颜色 Color : 橙色 Orange	10.环保要求 Environmental Requirements：Compliant with RoHS2.0 and REACH

■产品结构图|PRODUCT STRUCTURE DIAGRAM



AC 1000V/DC 1500V(屏蔽 Shielding)

产品系列 Product Series	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistancemΩ/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	完成外径 Over diameter mm (Ref.)
EVRP-125 EVRP-150	2.5mm²	2.00	7.60	30	6.30
	4mm²	2.60	4.71	40	7.30
	6mm²	3.40	3.14	52	8.10
	10mm²	4.40	1.82	75	9.80
	16mm²	5.50	1.16	100	11.00
	25mm²	7.00	0.743	125	13.40
	35mm²	8.30	0.527	165	14.80
	50mm²	10.00	0.368	215	17.00
	70mm²	11.80	0.259	260	19.00
	95mm²	13.80	0.196	320	21.60
	120mm²	15.50	0.153	370	23.30

以上产品规格、尺寸、结构可能因为技术进步而有所改变，同类规格可根据客户使用需求进行设计制造。
The specifications, sizes and structures of above product may change due to technological progress, and similar specifications can be designed and manufactured according to customer usage requirements.

AC 600V/DC 900V(非屏蔽 Unshielded)

产品系列 Product Series	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistancemΩ/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	完成外径 Over diameter mm (Ref.)
EVR-125 EVR-150	2.5mm²	2.00	7.60	30	2.80
	4mm²	2.60	4.71	40	3.50
	6mm²	3.40	3.14	52	4.30
	10mm²	4.40	1.82	75	5.70
	16mm²	5.50	1.16	100	6.90
	25mm²	7.00	0.743	125	8.40
	35mm²	8.30	0.527	165	10.00
	50mm²	10.00	0.368	215	12.00
	70mm²	11.80	0.259	260	14.00
	95mm²	13.80	0.196	320	16.50
以上产品规格、尺寸、结构可能因为技术进步而有所改变，同类规格可根据客户使用需求进行设计制造。 The specifications, sizes and structures of above product may change due to technological progress, and similar specifications can be designed and manufactured according to customer usage requirements.					

AC 600V/DC 900V(屏蔽Shielding)

产品系列 Product Series	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistancemΩ/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	完成外径 Over diameter mm (Ref.)
EVRP-125 EVRP-150	2.5mm²	2.00	7.60	30	4.50
	4mm²	2.60	4.71	40	5.20
	6mm²	3.40	3.14	52	6.40
	10mm²	4.40	1.82	75	7.90
	16mm²	5.50	1.16	100	9.40
	25mm²	7.00	0.743	125	11.00
	35mm²	8.30	0.527	165	12.90
	50mm²	10.00	0.368	215	15.00
	70mm²	11.80	0.259	260	17.00
	95mm²	13.80	0.196	320	19.60
以上产品规格、尺寸、结构可能因为技术进步而有所改变，同类规格可根据客户使用需求进行设计制造。 The specifications, sizes and structures of above product may change due to technological progress, and similar specifications can be designed and manufactured according to customer usage requirements.					

AC 1000V/DC 1500V (非屏蔽 Unshielded)

产品系列 Product Series	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistancemΩ/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	完成外径 Over diameter mm (Ref.)
EVR-125 EVR-150	2.5mm²	2.00	7.60	30	3.50
	4mm²	2.60	4.71	40	4.30
	6mm²	3.40	3.14	52	5.10
	10mm²	4.40	1.82	75	6.50
	16mm²	5.50	1.16	100	7.60
	25mm²	7.00	0.743	125	9.70
	35mm²	8.30	0.527	165	11.00
	50mm²	10.00	0.368	215	13.10
	70mm²	11.80	0.259	260	15.00
	95mm²	13.80	0.196	320	17.10
	120mm²	15.50	0.153	370	18.80
以上产品规格、尺寸、结构可能因为技术进步而有所改变，同类规格可根据客户使用需求进行设计制造。 The specifications, sizes and structures of above product may change due to technological progress, and similar specifications can be designed and manufactured according to customer usage requirements.					

ISO 铝芯高压电缆
ISO ALUMINUM CORE HIGH VOLTAGE CABLE

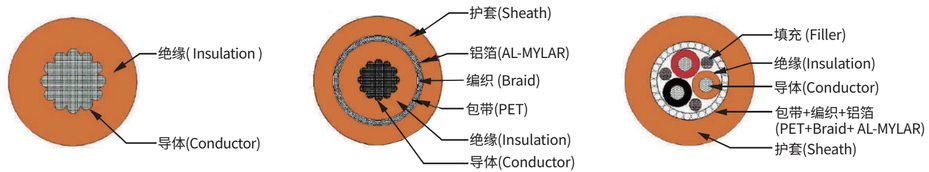
产品参考标准| REFERENCE STANDARD：

ISO 19642-2019-6、ISO 19642-2019-10

■ 产品描述 | PRODUCT DESCRIPTION

结构 Construction	电缆特性 Features
1. 导体 Conductor	1. 额定温度 Rated temperature：-40°C～+(125°C,150°C)
材质 Material：铝合金 AAL	2. 额定电压 Rated Voltage：AC 600V/DC 900V;AC 1000V/DC 1500V
2. 绝缘 Insulation	3. 短期老化 Short-term Aging ：240h,Comply with ISO 19642-2019
材质 Material：XLPE	4. 长期老化 Long-term Aging：3000h,Comply with ISO 19642-2019
颜色 Color：橙色 Orange	5. 燃烧测试 Flame Test：Comply With ISO 19642-2019
3. 屏蔽 Shielded	6. 最小弯曲半径 Min：Bending Radius: 6*OD@OD＜15mm；8*OD@OD≧15mm
材质 Materi al：镀锡铜 Tinned Copper	7. 耐压 Dielectric Voltage：5kVac/5min. No Breakdown
4.护套 Sheath	8. 耐油 Oil Resistance：Comply With ISO 19642-2019
材质 Material：XLPE	9. 抗撕裂 Anti-tear Performance：>15N/mm
颜色 Color：橙色 Orange	10.环保要求 Environmental Requirements：Compliant with RoHS2.0 and REACH

■ 产品结构图|PRODUCT STRUCTURE DIAGRAM



铝导体具体结构尺寸依据标准

Aluminum conductor specific structure size according to the standard

Nominal conductor cross-section		Strand		Conductor					
名义导体截面		单丝		导体					
		Quantity 数量	Diameter 直径	Diameter d1 导体直径	Twistength 绞线长度	Cross-section 导体截面		Resistance at +20°C 20°C标称电阻	
Al	Cu	Al	Al	Al	Al	Al		Bare Al & Cu	
mm²	mm²	PCS	mm	mm		mm²		mΩ/m	
nom	nom	nom	max	max	max	max	min	max	
10	6	49	0.51	4.30	not specified	9.81	9.09	3.100	2.870
17	10	84	0.51	5.50		16.70	15.50	1.820	1.690
27	16	133	0.51	7.00		26.20	24.30	1.160	1.070
42	25	210	0.51	9.00		40.90	37.90	0.743	0.688
59	35	294	0.51	10.60		57.70	53.50	0.527	0.488
85	50	420	0.51	12.90		82.70	76.50	0.368	0.341
120	70	608	0.51	15.10		117.00	109.00	0.259	0.240
160	95	798	0.51	17.90		155.00	144.00	0.196	0.181

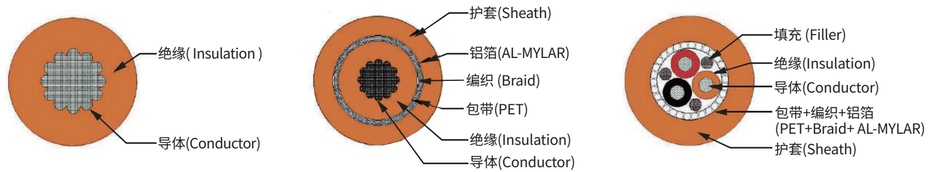
LV216-2高压电缆
LV216-2 HV CABLE

产品参考标准 | PRODUCT REFERENCE STANDARDS：LV216-2

■ 产品描述 | PRODUCT DESCRIPTION

结构 Construction	电缆特性 Features
1. 导体 Conductor	1. 额定温度 Rated temperature：-40°C～+(125°C,150°C)
材质 Material : 裸铜Bare Copper	2. 额定电压 Rated Voltage：AC 600V/DC 900V
2. 绝缘 Insulation	3. 短期老化 Short-term Aging ：240h,Comply with LV216-2
材质 Material : XLPE	4. 长期老化 Long-term Aging：3000h,Comply with LV216-2
颜色 Color：橙色 Orange	5. 燃烧测试 Flame Test：Comply With LV216-2
3. 屏蔽 Shielded	6. 最小弯曲半径 Min：Bending Radius: 4*OD@OD < 15mm ; 6*OD@OD≧15mm
材质 Materi al : 镀锡铜 Tinned Copper	7. 耐压 Dielectric Voltage：5kVac/5min. No Breakdown
4.护套 Sheath	8. 耐油 Oil Resistance：Comply With LV216-2
材质 Material : XLPE	9. 抗撕裂 Anti-tear Performance：>20N/mm
颜色 Color : 橙色 Orange	10.环保要求 Environmental Requirements：Compliant with RoHS2.0 and REACH

■ 产品结构图 | PRODUCT STRUCTURE DIAGRAM



AC 600V/DC 900V(屏蔽Shielding)

产品系列 Product Series	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistancemΩ/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	完成外径 Over diameter mm (Ref.)
FHLR2XCB2X	2.5mm²	2.00	7.60	30	5.60
	4mm²	2.60	4.71	40	5.80
	6mm²	3.40	3.14	52	6.25
	10mm²	4.40	1.82	75	8.30
	16mm²	5.50	1.16	100	9.60
	25mm²	7.00	0.743	125	11.90
	35mm²	8.30	0.527	165	13.20
	50mm²	10.00	0.368	215	15.00
	70mm²	11.80	0.259	260	19.10
	95mm²	13.80	0.196	320	21.80

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电器设备用装置线AC 1000V和AC 1500V
APPLIANCE WIRING MATERIAL FOR AC 1000V AND AC 1500V

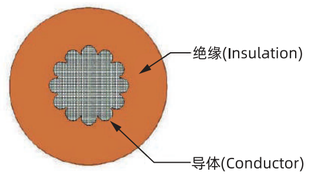
产品参考标准 | PRODUCT REFERENCE STANDARDS：UL 758

证书编号 | CERTIFICATE NUMBER：E323711

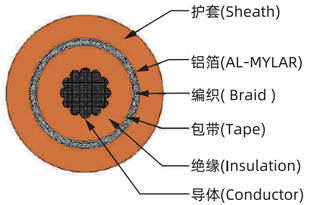
■ 产品描述 | PRODUCT DESCRIPTIONT

结构 Construction	电缆特性 Features
1.导体Conductor	1.额定温度Rated temperature：-40℃～+125℃
材质Material：裸铜Bare Copper	2.额定电压Rated Voltage：1000V AC / 1500V AC
2.绝缘Insulation	3.老化试验 Aging：158℃*168h，comply with UL 758
材质Material：XLPE	4.燃烧测试Flame Test：VW-1，comply with UL 758
颜色Color：橙色Orange	5.热变形试验 Deformation Test：121℃*4h，comply with UL 758
3.屏蔽Shielded	6.最小弯曲半径Min Bending Radius：4*OD
材质Material：镀锡铜Tinned Copper	7.耐压试验Dielectric Voltage：3000V AC*1min
4.护套Sheath	8.冷弯试验 Cold Bend Test：-40℃*4h，comply with UL 758
材质Material：XLPE	9.环保要求Environmental Requirements：Compliant with RoHS 2.0 and REACH
颜色Color：橙色Orange	

■ 产品结构图 | PRODUCT STRUCTURE DIAGRAM



非屏蔽电缆截面图
Unshielded cable cross section diagram



屏蔽电缆截面图
Shielded cable cross section diagram

屏蔽电缆实物图
Shielded cable physical picture

屏蔽电缆整体图像
Overall image of shielded cable

单芯非屏蔽线缆
（Single core unshielded cable）

产品系列 Product Series	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistancemΩ/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	完成外径 Over diameter mm (Ref.)
UL 3820 for 1000V UL 3886 for 1500V	16AWG	1.50	14.10	15	3.4
	15AWG	1.70	11.20	20	3.5
	14AWG	1.90	8.88	24	3.6
	13AWG	2.10	7.02	28	3.8
	12AWG	2.80	5.58	34	4.5
	11AWG	3.00	4.43	39	4.7
	10AWG	3.30	3.51	45	5.0
	9AWG	3.70	2.78	53	5.4
	8AWG	4.20	2.23	64	6.6
	7AWG	4.80	1.77	75	7.2
	6AWG	5.40	1.40	85	7.8
	5AWG	6.00	1.11	100	8.4
	4AWG	6.60	0.882	115	9.0
	3AWG	7.40	0.7	135	9.4
	2AWG	8.40	0.555	160	10.8
	1AWG	9.40	0.44	175	12.4

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单芯屏蔽线缆
（Single core shielded cable）

产品系列 Product Series	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistancemΩ/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	完成外径 Over diameter mm (Ref.)
UL 30088 for 1000V	16AWG	1.50	14.10	15	5.6
	15AWG	1.70	11.20	20	5.7
	14AWG	1.90	8.88	24	5.8
	13AWG	2.10	7.02	28	5.8
	12AWG	2.80	5.58	34	6.7
	11AWG	3.00	4.43	39	6.9
	10AWG	3.30	3.51	45	7.2
	9AWG	3.70	2.78	53	7.6
	8AWG	4.20	2.23	64	8.8
	7AWG	4.80	1.77	75	9.4
	6AWG	5.40	1.40	85	10.0
	5AWG	6.00	1.11	100	12.1
	4AWG	6.60	0.882	115	12.2
	3AWG	7.40	0.7	135	13.0
	2AWG	8.40	0.555	160	13.6
	1AWG	9.40	0.44	175	15.0

以上产品规格、尺寸、结构可能因为技术进步而有所改变，同类规格可根据客户使用需求进行设计制造。
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电动汽车充电电缆
ELECTRIC VEHICLE CHARGING CABLE

■ 电动汽车充电电缆简介
ELECTRIC VEHICLE CHARGING CABLE INTRODUCTION

电动汽车充电电缆用于连接电动汽车充电装置与充电基础设施，从而对电动汽车进行电力传输，并配备一定数量的信号线、控制线、电源辅助线等来确保整个充电过程控制准确、操作安全无误。充电电缆一般使用于充电站、停车场、酒店、小区、车库等区域，便携式充电电缆可放置在车内。

EV charging cables are used to connect electric vehicle charging devices and charging infrastructure to transmit power to electric vehicles and are equipped with a certain amount of signal lines, control lines, power auxiliary lines, etc. to ensure accurate control of the entire charging process and safe operation. Charging cables are generally used in charging stations, parking lots, hotels, communities, garages, and other areas. Portable charging cables can be placed in the car.

■ 奥美格产品优势和特点
OMG PRODUCT ADVANTAGES AND FEATURES

奥美格通过ISO9001:2015和IATF16949:2016体系认证，其中电动汽车充电电缆获得了美国UL、德国TUV、中国CQC认证、德凯认证、IEC认证、EN50620认证；奥美格也是中国质量认证中心（CQC）电动汽车传导充电系统用电缆技术规范（CQC1103-2015、CQC1104-2015、CQC1105-2015）及电动汽车充电用电缆国标（GB/T33594-2017）的起草单位。在电动汽车领域共获得21项发明专利，74项实用新型专利，3项外观专利,8项软件著作权。

OMG is certified by ISO 9001:2015 and IATF 16949:2016 system, among which the electric vehicle charging cable has obtained UL, TUV of Germany, CQC of China, Tokai certification, IEC certification, EN50620 certification; Aomege is also a member of China Quality Certification Center (CQC) technical specifications for cables used in electric vehicle conduction charging system (CQC1103-2015, CQC1104-2015, CQC1105-2015) and the national standard for electric vehicle charging cables (GB/T33594-2017). In the field of electric vehicles, we have obtained 21 invention patents, 74 utility model patents, 3 appearance patents and 8 software copyrights.

奥美格产品特点柔软、弯曲半径达5D以下；耐高低温、耐油、耐酸碱、耐水、耐磨、抗开裂、抗UV；阻燃性能好；导电性能好，导体温升小；所有材料符合ROHS 2.0 &REACH环保标准。

OMG product features soft, bending radius up to 5D or less; high and low temperature resistance, oil resistance, acid and alkali resistance, water resistance, wear resistance, anti-cracking, UV resistance; good flame retardancy; good electrical conductivity, small conductor temperature rise; all materials comply with RoHS 2.0 & REACH environmental standards.

EN50620、IEC62893标准交流充电线
EN50620、IEC62893 STANDARD AC CHARGING CABLE

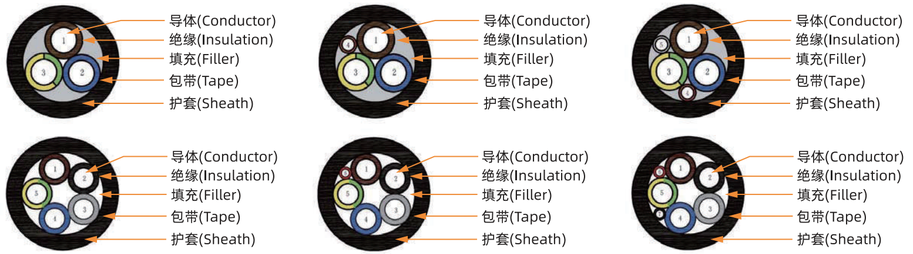
产品参考标准 | PRODUCT REFERENCE STANDARDS：
EN 50620:2017、IEC62893-3：2017

证书编号 | CERTIFICATE NUMBER：
DEKRA 31-112985、DEKRA 31-111496、TUV R50436193 0001、TUV R50436194 0001

■ 产品描述 | PRODUCT DESCRIPTIONT

结构 Construction	电缆特性 Features
1. 导体 Conductor	1. 额定温度 Rated temperature：-40℃～90℃
材质 Material : 裸铜 Bare Copper	2. 额定电压 Rated Voltage：AC 300/500V、450/750V;DC 1000V
2. 绝缘 Insulation	3. 燃烧测试Flame Test：Testing method according to EN 60332-1-2
材质 Material : EVI-2	4. 最小弯曲半径Min ：Bending Radius: ≥6*OD
颜色 Color：棕 Brown，蓝Blue，黄/绿Yellow/Green	5. 耐压Dielectric Voltage：2.5 kV AC for main core，2.0 kV AC for CC/CP
3. 填充Filler	6. 低温冲击Low temperature impact ：-40℃, No cracks
材质Material: PP Cord	7. 热冲击Hot Shock：150℃/1h No cracks
4.包带Tape	8. 耐油 Oil Resistance：IRM902, 100℃*168h Tensile Strength Variation ＜±40%,
材质Material:无纺布Non-woven fabrics	Elongation Variation＜±30%
5.护套Sheath	9. 抗挤压Crush resistance：Sq≤4, crush force≥4KN ; 4≤Sq≤35, crush force≥11KN;
材质Material: TPU	10.耐酸碱Resistance to Acid and alkali：168h, Tensile Strength Variation ≤30%; Elongation≥100%
颜色Color: 任意颜色 Any color	11.环保要求Environmental Requirements：Compliant with RoHS 2.0 and REACH

■ 产品结构图 | PRODUCT STRUCTURE DIAGRAM



型号 Type	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistancem Ω/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	无屏蔽完成外径 Non-shielded Over diameter mm Ref	包装 Packing M/Reel (Ref.)
H05BZ5-F 62893IEC121	3×1.5mm²+(0～6)×(0.5～1.0)mm²	1.6	13.3	10A	8.6~9.6	800m/700#
	3×2.5mm²+(0～6)×(0.5～1.0)mm²	2.1	7.98	16A	9.8~10.8	800m/700#
H07BZ5-F 62893IEC123	3×1.5mm²+(0～6)×(0.5～1.0)mm²	1.6	1 3.3	10A	8.8~9.6	800m/700#
	3×2.5mm²+(0～6)×(0.5～1.0)mm²	2.1	7.98	16A	10~10.8	800m/700#
	3×4.0mm²+(0～6)×(0.5～1.0)mm²	2.8	4.95	20A	11.5	500m/700#
	3×6.0mm²+(0～6)×(0.5～1.0)mm²	3.5	3.30	32A	13.2	400m/800#
	3×10.0mm²+(0～6)×(0.5～1.0)mm²	4.5	1.91	40A	16.3	500m/950#
	3×16mm²+(0～6)×(0.5～1.0)mm²	5.7	1.21	63A	19	500m/700#
	5×2.5mm²+(0～6)×(0.5～1.0)mm²	2.1	7.98	16A	13.5	500m/950#
	5×4.0mm²+(0～6)×(0.5～1.0)mm²	2.8	4.95	20A	15	400m/950#
	5×6.0mm²+(0～6)×(0.5～1.0)mm²	3.5	3.30	32A	16.8	300m/950#
	5×10.0mm²+(0～6)×(0.5～1.0)mm²	4.5	1.91	40A	20	300m/1200#
	5×16mm²+(0～6)×(0.5～1.0)mm²	5.7	1.21	63A	23.5	800m/700#
	5×25mm²+(0～6)×(0.5～1.0)mm²	7.2	0.78	80A	29	800m/700#
	5×35mm²+(0～6)×(0.5～1.0)mm²	8.4	0.554	125A	32.8	500m/700#

以上产品规格、尺寸、结构可能因为技术进步而有所改变，同类规格可根据客户使用需求进行设计制造。
The specifications, sizes and structures of above product may change due to technological progress, and similar specifications can be designed and manufactured according to customer usage requirements.

TUV认证交流弹簧充电电缆EN50620和IEC62893弹簧线
EN50620、IEC62893 STANDARD AC COILD CHARGING CABLE

证书编号 | CERTIFICATE NUMBER:
R 50436193 0002

■ 产品参数 | PRODUCT PARAMETERS

弹簧电缆 Spring cable	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistancem Ω/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	无屏蔽完成外径 Non-shielded Over diameter mm Ref	包装 Packing M/Reel (Ref.)
EVC H05BZ5H8-F Extensible 62893 IEC 121	3×1.5mm²+(0～6)×(0.5～1.0)mm²	1.6	13.3	10A	10.0	TBD
	3×2.5mm²+(0～6)×(0.5～1.0)mm²	2.1	7.98	16A	11.2	TBD
EVC H05BZ5H8-F Extensible 62893 IEC 121	3×1.5mm²+(0～6)×(0.5～1.0)mm²	1.6	13.3	10A	10.0	TBD
	3×2.5mm²+(0～6)×(0.5～1.0)mm²	2.1	7.98	16A	11.2	TBD
	3×4mm²+(0～6)×(0.5～1.0)mm²	2.8	4.95	20A	12.5	TBD
	3×6mm²+(0～6)×(0.5～1.0)mm²	3.2	3.3	32A	13.3	TBD
	5×2.5mm²+(0～6)×(0.5～1.0)mm²	2.1	7.98	16A	13.3	TBD
	5×4mm²+(0～6)×(0.5～1.0)mm²	2.8	4.95	20A	15.5	TBD
	5×6mm²+(0～6)×(0.5～1.0)mm²	3.2	3.3	32A	16.5	TBD

产品的具体参数以技术图纸为准(上表中的完成外径为1根0.75mm²信号线的外径)。
The specific parameters of product should be according to technical drawings.

TUV认证IEC62893 直流充电电缆
TUV CERTIFICATION IEC62893 DC CHARGING CABLE

产品参考标准 | PRODUCT REFERENCE STANDARDS:
IEC62893-4-1:2020
证书编号 | CERTIFICATE NUMBER:
R 50438281 0001

■ 产品参数 | PRODUCT PARAMETERS

型号 Type	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistancem Ω/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	无屏蔽完成外径 Non-shielded Over diameter mm Ref	包装 Packing M/Reel (Ref.)
62893 IEC 126	2×10+10+P(2×0.75)+4×0.5	4.5	1.91	40A	15.5	300m/950#
	2×16+16+P(2×0.75)+4×0.5	5.7	1.21	63A	18	300m/950#
	2×25+16+P(2×0.75)+4×0.5	7.1	0.78	100A	24.5	300m/950#
	2×35+16+P(2×0.75)+4×0.5	8.4	0.554	125A	25.8	300m/950#
	2×50+25+P(2×0.75)+4×0.5	10.2	0.386	150A/200A	30.2	400m/1200#
	2×70+35+P(2×0.75)+4×0.5	12.0	0.272	200A/250A	34.7	400m/1200#
	4X50+50+6 X0.75	10.0	0.386	300A/350A	38.5	300m/1200#
	4X60+70+6X0.75	11.0	0.319	350A/400A	43.5	200m/1200#

规格为2芯电源线4mm²~95mm²或4芯电源线50mm²~260mm²，1芯PE线4mm~70mm，辅助电源线为2芯2.5~6.0mm(可选)可以增加 0~12芯0.5mm~1.0mm 的信号线，可以信号线屏蔽或总缆屏蔽，产品的具体参数以技术图纸为准。
Specifications for 2-core power cable 4mm² ~ 95mm² or 4-core power cable 50mm² ~ 260mm², 1-core PE cable 4mm ~ 70mm, auxiliary power cable 2 cores 2.5 ~ 6.0mm (optional) can be added 0 ~ 12 cores 0.5mm ~ 1.0mm signal cable, the signal cable can be shielded or full cable shielding, the specific parameters to the product technical drawings shall prevail Specific parameters are subject to the technical drawings.

UL2263 充电电缆
UL 2263 CHARGING CABLE

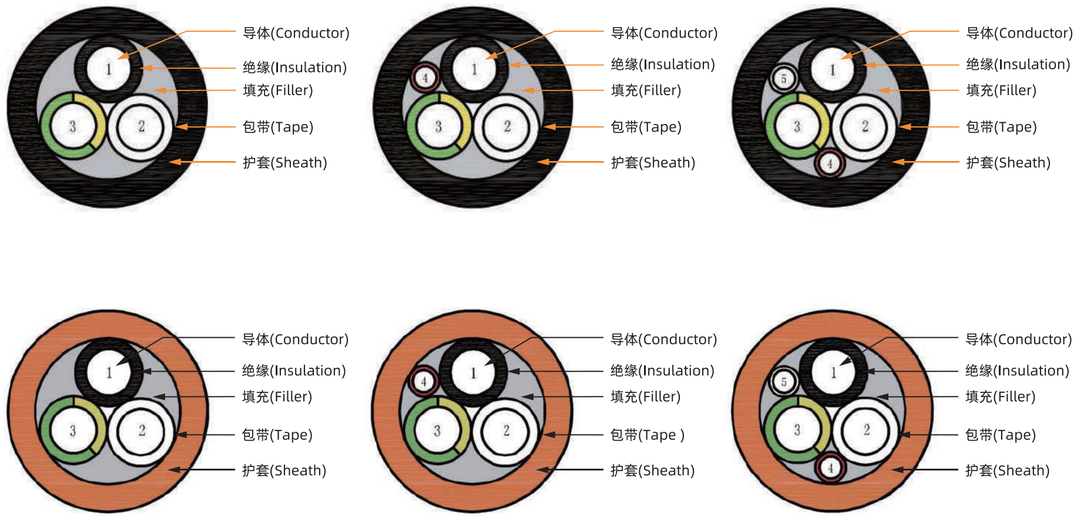
产品参考标准 | PRODUCT REFERENCE STANDARDS：
UL 2263

UL档案号 | UL FILE NUMBER：
E345899

■ 产品描述 | PRODUCT DESCRIPTIONT

结构 Construction	电缆特性 Features
1.导体Conductor	1.额定温度Rated temperature：-40℃～105℃
材质Material：裸铜Bare Copper	2.额定电压Rated Voltage：300V; 600V or 1000V
2.绝缘Insulation	3.燃烧测试Flame Test：VW-1 Test method Comply with UL 2556
材质Material：TPE	4.最小弯曲半径Min Bending Radius：≥6*OD
颜色Color：黑Black，红red，绿/黄Green/Yellow或其他Or other	5.耐压Dielectric Voltage：1.5kVac/1min. No Breakdown Test method Comply with UL 2556
3.填充Filler	6.低温弯曲Cold Bending：-40℃/4h No cracks Test method Comply with UL 2556
材质Material：PP hemp or cotton yarn	7.热冲击Hot Shock：150℃/1h No cracks Test method Comply with UL 2556
4.包带Tape	8.耐油Oil Resistance：IRM902, 60℃/168h Tensile and Elongation ≥70% Unaged value
材质Material：无纺布Non-woven fabrics	9.耐碾压 Crush Resistance：S≤12AWG 4.45kN, 12AWG＜S≤2AWG, 11.1kN，2AWG＜S 15.6kN
5.护套Sheath	10.耐气候Weather Resistance：720hin a xenon arc weatherometer, No cracks
材质Material： TPE	11.环保要求Environmental Requirements：Compliant with RoHS and REACH
颜色Color：黑色或橙色Black or Orange	

■ 产品结构图 | PRODUCT STRUCTURE DIAGRAM



型号 Type	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistancem Ω/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	完成外径 Over diameter mm (Ref.)	包装 Packing M/Reel (Ref.)
600Vor1000V EVE(TPE)	3×16AWG	1.5/1.2	14.1	12A	10.8±0.5	1000m/700#
	3×14AWG	1.9/1.2	8.88	16A	11.8±0.5	800m/700#
	3×12AWG	2.4/1.2	5.58	23A	14.3±0.5	500m/700#
	3×10AWG	3.0/1.2	3.51	32A	15.6±0.5	500m/700#
	2×8AWG+10AWG	4.3/3.0	2.23/3.51	46A	20.9±0.8	500m/950#
	2×6AWG+8AWG	5.4/4.3	1.40/2.23	63A	23.4±0.8	400m/950#
	3×16AWG+1×18AWG	1.5/1.2	14.1/22.4	12A	11.4±0.5	800m/700#
	3×14AWG+1×18AWG	1.9/1.2	8.88/22.4	16A	13.5±0.5	500m/700#
	3×12AWG+1×18AWG	2.4/1.2	5.58/22.4	23A	14.5±0.5	500m/700#
	3×10AWG+1×18AWG	3.0/1.2	3.51/22.4	32A	15.8±0.6	500m/700#
	2×8AWG+10AWG+18AWG	4.3/3.0	2.23/3.51/22.4	46A	20.9±0.8	500m/950#
	2×6AWG+8AWG+18AWG	5.4/4.3	1.40/2.23/22.4	63A	23.4±0.8	400m/950#
	2×4AWG+6AWG+18AWG	6.6/5.4	0.882/1.4/22.4	75A	27.0±0.9	300m/950#
	3×16AWG+2×18AWG	1.5/1.2	3.51/22.4	12A	12.2±0.5	500m/700#
	3×14AWG+2×18AWG	1.9/1.2	8.88/22.4	16A	14.1±0.5	500m/700#
	3×12AWG+2×18AWG	2.4/1.2	5.58/22.4	23A	15.1±0.6	500m/700#
	3×10AWG+2×18AWG	3.0/1.2	3.51/22.4	32A	15.8±0.6	500m/700#
	2×8AWG+10AWG+2×18AWG	4.3/3.0	2.23/3.51	46A	20.9±0.8	500m/950#
	2×6AWG+8AWG+2×18AWG	5.4/4.3	1.40/2.23	63A	23.4±0.8	400m/950#
	2×4AWG+6AWG+2×18AWG	6.6/5.4	0.882/1.4	75A	27.0±0.9	300m/950#
	2×2AWG+4AWG+2×18AWG	8.2/6.6	0.555/0.882	100A	30.5±1.0	400m/1200#
	2×1/0AWG+2AWG+4×16AWG	10.5/8.2	0.349/0.555	200A	38.0±1.0	250m/1200#
	2×3/0AWG+1/0AWG (2×3/0AWG+4AWG+6X18AWG) 3/0AWG地线最小4AWG	13.05/10.5	0.219/0.349	260A	45.0±1.0	150m/1200#
	4X1-0AWG+4AWG+6X18AWG	10.4/6.5	0.351/0.882/23.6	300A/350A	45.7±1.2	150m/1200#

300V EVJE(TPE)	3×16AWG	1.5/1.2	3.51/22.4	12A	9.5±0.3	1200m/700#
	3×14AWG	1.9/1.2	8.88/22.4	16A	10.2±0.5	1000m/700#
	3×12AWG	2.4/1.2	5.58/22.4	23A	11.4±0.5	800m/700#
	3×16AWG+1×18AWG	1.5/1.2	3.51/22.4	12A	10.5±0.5	1000m/700#
	3×14AWG+1×18AWG	1.9/1.2	8.88/22.4	16A	11.1±0.5	80m/700#
	3×12AWG+1×18AWG	2.4/1.2	5.58/22.4	23A	12.2±0.5	500m/700#
	3×16AWG+2×18AWG	1.5/1.2	3.51/22.4	12A	11.3±0.5	800m/700#
	3×14AWG+2×18AWG	1.9/1.2	8.88/22.4	16A	12.0±0.5	800m/700#
	3×12AWG+2×18AWG	2.4/1.2	5.58/22.4	23A	13.1±0.5	500m/700#

信号线根数可以为0~6根，或者更多，信号线导体规格可以为16AWG,18AWG,20AWG,22AWG
The number of signal lines can be 0~6, or more, and the conductor specifications of signal lines can be 16AWG,18AWG,20AWG,22AWG

以上产品规格、尺寸、结构可能因为技术进步而有所改变，同类规格可根据客户使用需求进行设计制造。
The specifications, sizes and structures of above product may change due to technological progress, and similar specifications can be designed and manufactured according to customer usage requirements.

日本JCS4522标准电动车充电电缆
JAPANESE JCS4522 STANDARD EV CHARGING CABLE

产品符合标准 | PRODUCTS COMPLY WITH STANDARDS:
JCS 4522:2019

证明书番号 | STATEMENT NO:
JA50541941

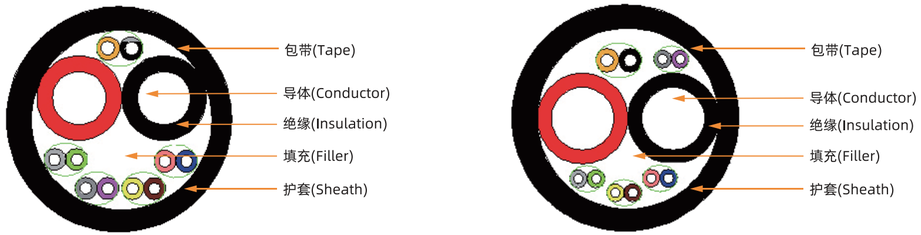
规格范围 | SPECIFICATION RANG
2X(2.0～38)MM²+(1～10)X(0.75～1.25)MM²+(2～10)X(0.75～1.25)MM²

■ 产品描述 | PRODUCT DESCRIPTIONT

结构 Construction				
1.导体材质Conductor Material	2.绝缘材质Insulation Material	3.护套材质Sheath material	4.包带材质Tape Material	
裸铜 Bare Copper	聚烯烃橡胶混合物 Polyolefin rubber compounds	聚烯烃橡胶混合物 Polyolefin rubber compounds	无纺布 Non-woven fabrics	

电缆特性 Features	
1.额定电压Rated Voltage：600V（AC）, 750V（DC）	2.使用环境温度Operating ambient temperature：-30℃～40℃
3.耐电压Voltage resistance: 动力线 AC 3000V/1min，无击穿，控制线 AC 1500V/1min,无击穿 Power line AC 3000V/1min, no breakdown, control line AC 1500V/1min, no breakdown	4.弯曲实验Bending experiment: 20转/分钟, 200次循环, 无破损, 无裂纹, 导体断线率≤30% 20 rpm, 200 cycles, no breakage, no cracks, conductor breakage rate ≤ 30%
5.机械强度Mechanical strength: 绝缘：抗张强度≥5 Mpa,断裂伸长率≥200％ 护套：抗张强度≥8 Mpa,断裂伸长率≥200％ Insulation: tensile strength ≥ 5 Mpa, elongation at break ≥ 200% Sheath: tensile strength ≥ 8 Mpa, elongation at break ≥ 200%	6.老化后机械强度(90℃/96H)Mechanical strength after aging: 绝缘：抗张强度≥80％老化前,断裂伸长率≥65％老化前 护套：抗张强度≥80％老化前,断裂伸长率≥65％老化前 Insulation: tensile strength ≥ 80% before aging, elongation at break ≥ 65% before aging Sheathing: tensile strength ≥ 80% before aging, elongation at break ≥ 65% before aging
7.耐拖拽Drag-resistant: 往返1M距离，拖拽速度1000M/H，往返3000次，不露出绝缘体。 Round-trip 1M distance, towing speed 1000M/H, round-trip 3000 times, without revealing the insulator.	8.耐扭转Torsion resistant: 扭转角度：±90度，扭转速度：15周期/min,扭转10000次，无破损，无裂纹，导体断线率≤30％ Twisting angle: ±90 degrees, twisting speed: 15 cycles/min, 10,000 times twisting, no breakage, no cracks, conductor breakage rate ≤ 30%
9.耐油（2号油或IRM 902油）Oil resistant (No. 2 oil or irm 902 oil): 抗张强度≥60％浸油前,断裂伸长率≥65％浸油前 Tensile strength ≥ 60% before oil immersion,elongation at break ≥ 65% before oil immersion	10.阻燃Flame retardant: JISC3005, 倾斜实验, 火焰在60秒内熄灭 JISC3005, tilt test, flame extinguished in 60 seconds

■ 产品结构图 | PRODUCT STRUCTURE DIAGRAM



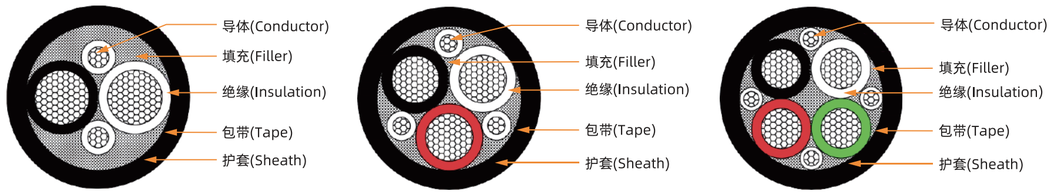
日本PSE认证HVCT型电缆
JAPAN PSE CERTIFIED HVCT TYPE CABLE

产品参考标准 | PRODUCT REFERENCE STANDARDS:
JISC 3312

规格范围 | SPECIFICATION RANGE:
HVCT（2~5CORES)1.25mm²~8mm²+(0~6CORES)
0.75mm²~2mm²

证明书番号 | STATEMENT NO:
PSE23012360

产品结构图 | PRODUCT STRUCTURE DIAGRAM



产品描述 | PRODUCT DESCRIPTIONT

结构 Construction	电缆特性 Features
1.导体Conductor	1.使用环境温度Ambient Temperature：-30℃ - +40℃
材质Material：裸铜Bare Copper	2.额定电压Rated Voltage：≤600V AC , ≤750V DC
2.绝缘Insulation	3.抗张强度Tensile Strength：绝缘Insulation＞10MPa，after Aging Test（100℃*48H）＞85% 护套Sheath＞10MPa，after Aging Test（100℃*48H）＞85%
材质Material：PVC	4.断裂伸长率Break Elongation：绝缘Insulation＞100%，after Aging Test（100℃*48H）＞80% 护套Sheath＞120%，after Aging Test（100℃*48H）＞80%
颜色Color：黑Black, 白White, 红Red, 绿Green	
3.填充Filler	5.热变形试验Thermal Deformation：厚度减少小于50% Thickness reduction ＜50%
材质Material：PP麻纱或棉纱 PPhemp or cotton yarn	6.弯曲半径Bending Radius：≥6 OD
4.包带Tape	7.阻燃试验Flame Retardant Test：30s内自然熄灭 The flame must be extinguished naturally within 30s
材质Material：无纺布Non-woven fabrics	
5.护套Sheath	
材质Material：PVC	
颜色Color：黑色Black	

IEC 62893标准油冷充电电缆
IEC 62893 STANDARD OIL-COOLED CHARING CABLE

产品符合标准 | PRODUCTS COMPLY WITH STANDARDS：
IEC 62893-4-2

TUV证书编号 | CERTIFICATE NO：
R50569984

油冷充电电缆，产品符合IEC62893-4-2标准及认证，符合IEC61851-1模式4的要求且与热管理系统一起使用的直流充电电缆；这些电缆打算用于IEC61851-23中规定的带有热管理系统的电路导电充电系统，并打算用于符合IECTS62196-3-1要求的车辆连接器。电缆的应用模式主要用于连接电动汽车充电装置与充电基础设施，从而对电动汽车进行快速电力传输，并配备一定数量的信号线、控制线来确保整个充电过程控制准确、操作安全无误。电缆使用场景一般使用于集中式充电站、大型停车场、酒店、车库等区域。

Oil-cooled charging cables, products conforming to IEC 62893-4-2 standard and certification, DC charging cables conforming to the requirements of IEC 61851-1 mode 4 and for use with thermal management systems; these cables are intended for use in circuit-conductive charging systems with thermal management systems as specified in IEC 61851-23 and are intended for use with IECTS62196-3-1 compliant vehicle connectors. The application mode of the cables is mainly used to connect electric vehicle charging devices to the charging infrastructure, thus providing fast power transmission to electric vehicles, and equipped with a certain number of signal and control lines to ensure accurate control and safe and error-free operation of the entire charging process. Cable use scenarios are generally used in centralized charging stations, large parking lots, hotels, garages and other areas.

产品特点
PRODUCT FEATURES

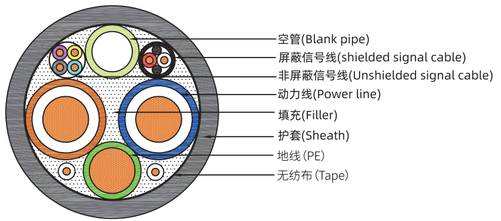
电缆结构主要由电源主芯线、地线、信号线或屏蔽线组、回流管、填充物及加强绳组合构成，DC+和DC-导体浸在冷却介质中，通过介质带走热量，并通过回流管路循环形成冷却回路，最终以较小的导体截面承载较大的电流，达到大功率快速充电的效果；产品手感良好，耐油、耐酸碱、耐水、耐磨、耐碾压、抗开裂、抗UV和阻燃性能好；所有材料符合RoHS 2.0 &REACH环保标准。产品已在TUV申请并取得了IEC标准的产品认证。

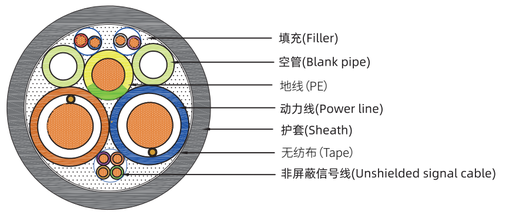
The cable structure mainly consists of the main core of power supply, ground wire, signal wire or shield wire set, return pipe, filler and reinforcing rope combination. DC+ and DC- conductors are immersed in the cooling medium, taking away heat through the medium, circulating through the return pipe to form a cooling circuit, and finally carrying a larger current with a smaller conductor cross-section to achieve high power and fast charging; the products have good feel, oil resistance, Acid and alkali resistant, water resistant The products have good handfeel, oil resistance, acid and alkali resistance, water resistance, wear resistance, pressure resistance, crack resistance, UV resistance and flame resistance; all materials comply with RoHS 2.0 & REACH environmental standards. The products have applied for and received IEC standard product certification at TUV.

■ 产品描述 | PRODUCT DESCRIPTIONT

结构 Construction	电缆特性 Features
1.导体Conductor	1.额定温度Rated temperature：-40℃～90℃
材质Material：裸铜Bare Copper	2.额定电压Rated Voltage：1500V.DC
2.绝缘Insulation	3.燃烧测试Flame Test：Testing method according to EN 60332-1-2
材质Material：EVI-1	4.最小弯曲半径Min Bending Radius：≥6*OD
主芯颜色Main core color：黑Black，红red，绿/黄Green/Yellow或其他Or other	5.耐压Dielectric Voltage：3.5kVac/15min. No Breakdown
回流管材质Reflux tube material：XLPO	6.低温弯曲Cold Bending：-40℃/4h No cracks
3.填充Filler	7.热冲击Hot Shock：150℃/1h No cracks
材质Material：PP hemp or cotton yarn	8.耐油Oil Resistance：IRM902, 100℃/168h Tensile and Elongation ≥60%
4.包带Tape	9.耐碾压 Crush Resistance：>11KN
材质Material：无纺布Non-woven fabrics	10.耐气候Weather Resistance：720hin a xenon arc weatherometer，No cracks
5.护套Sheath	11.环保要求Environmental Requirements：Compliant with RoHS and REACH
材质Material：TPU	
颜色Color：黑色Black	

■ 产品结构图 | PRODUCT STRUCTURE DIAGRAM





型号 Type	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	回流管规格 Blank pipe mm Ref	主芯及地线导体电阻 Max. Conductor resistance Ω/Km@20℃	参考允载电流 Permissible ampacity A (Ref.)	完成外径 Over diameter Ref.mm	包装 Packing M/Reel (Ref.)
62893 IEC 129	2×16+25+n×(0.5-1.5)+回流管	5.7/7.1	Ø6或Ø8	<1.21/<0.78	/	按标准及客需结构设计 Design structures a ccording to standards or customer requirements	按订单或商定 As per PO or agreement
	2×25+25+n×(0.5-1.5)+回流管	6.8/7.1	Ø8	<0.78	500A		
	2×35+25+n×(0.5-1.5)+回流管	8.2/7.1	Ø8	<0.554/<0.78	600A		
	2×50+25+n×(0.5-1.5)+回流管	10.2/7.1	Ø8或Ø10	<0.386/<0.78	/		

备注：1. 信号线范围n = 0-10 ；
2. 回流管数量按客户需求；
3. 冷却介质为客户端定义 。

Note: 1. signal line range n = 0-10;
2. the number of reflux tubes according to customer requirements
3. Cooling medium is defined by the client.

以上产品规格、尺寸、结构可能因为技术进步而有所改变，同类规格可根据客户使用需求进行设计制造。
The specifications, sizes and structures of above product may change due to technological progress, and similar specifications can be designed and manufactured according to customer usage requirements.

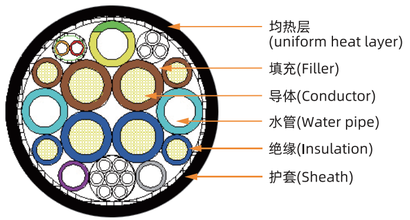
水冷充电电缆
WATER-COOLED CHARGING CABLE

水冷充电电缆是基于冷却介质为冷却液（乙二醇等）或者水而进行设计的充电电缆。因为冷却液或者水具有导电性，所以在结构上，冷却介质和导体是分离状态，因为是对导体进行间接冷却，故而相同的导体截面积，水冷充电电缆的载流能力也劣于油冷充电电缆，但是水冷充电电缆的冷却介质成本低，后期维护周期长并且简单。、
水冷充电电缆根据缆芯结构分为铜包水结构和铜水分离结构。
Water-cooled charging cables are designed based on a cooling medium of coolant (ethylene glycol, etc.) or water. Because of the conductivity of coolant or water, the cooling medium and conductor are separated in structure, because the conductor is indirectly cooled, so the same conductor cross-sectional area, the current-carrying capacity of water-cooled charging cable is inferior to that of oil-cooled charging cable, but the cooling medium of water-cooled charging cable is low cost, and the maintenance cycle is long and simple.
Water-cooled charging cables are divided into copper-clad water structure and copper-water separation structure according to the structure of the cable core.

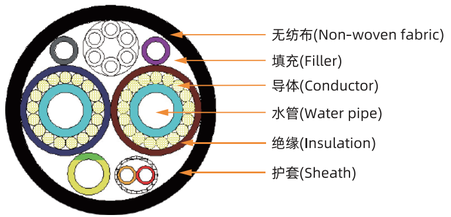
■ 产品描述 | PRODUCT DESCRIPTIONT

结构 Construction	电缆特性 Features
1.导体Conductor	1.额定温度Rated temperature：-40℃～90℃
材质Material：裸铜或镀锡铜Bare copper wire or tinned copper wire	2.额定电压Rated Voltage：1500V DC
2.绝缘Insulation	3.最大工作电流Maximum operating current：250A~700A
材质Material：XLPO	4.电缆外径范围Cable outside diameter range：22.0mm
3.填充Filler	5.最小弯曲半径Min Bending Radius：≥6*OD
材质Material：PP绳、导热型填充PP rope, thermally conductive filling	6.可选规格Optional specifications：支持客户定制 Customization support
4.水管Tape	7.环保要求Environmental Requirements：Compliant with RoHS and REACH
材质Material：XLPO、TPU+Nylon	
5.护套Sheath	
材质Material： TPU	

■ 产品结构图 | PRODUCT STRUCTURE DIAGRAM



铜水分离结构
Copper-water separation structure



铜包水结构
Copper-clad water structure

CQC认证直流充电电缆
CQC DC CHARGING CABLE

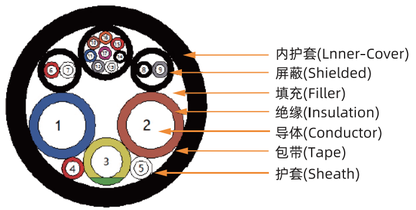
产品参考标准 | PRODUCT REFERENCE STANDARDS: GB/ T33594-2017

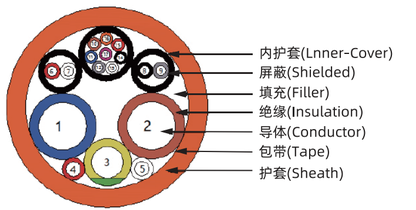
CQC证书编号 | CQC CERTIFICATE NUMBER: V022173

■ 产品描述 | PRODUCT DESCRIPTIONT

结构 Construction	电缆特性 Features
1.导体Conductor	1.额定温度Rated temperature：-40℃～105℃
材质Material：裸铜Bare Copper	2.额定电压Rated Voltage：DC 1000V
2.绝缘Insulation	3.绝缘电阻Insulation Resistance：≥3670MΩ.km at 20℃ Comply with GB/T 33594-2017
材质Material：TPE	4.燃烧测试Flame Test：GB/T 18380.12-2008
颜色Color：棕Brown、蓝Blue、黄/绿Yellow/Green	5.最小弯曲半径Min Bending Radius：≥6*OD
3.填充Filler	6.耐压Dielectric Voltage：8.4kVdc/15min. No Breakdown
材质Material：PP Cord	7.低温冲击Low temperature impact：-40℃, No cracks
4.包带Tape	8.热冲击Hot Shock：150℃/1h No cracks
材质Material：无纺布Non-woven fabrics	9.耐油Oil Resistance：IRM902,IRM903,Gasoline 20h OD Variation≤15% No Cracks
5.护套Sheath	10.抗挤压Crush resistance：4≤Sq≤35, crush force≥11KN；Sq＞35, crush force≥15KN
材质Material：TPE or TPU	11.耐酸碱Resistance to Acid and alkali：168h, Tensile Strength Variation ≤30%; Elongation≥100%
颜色Color：黑色Black	12.环保要求Environmental Requirements：Compliant with RoHS and REACH

■ 产品结构图 | PRODUCT STRUCTURE DIAGRAM





型号 Type	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistancem Ω/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	TPE护套 无屏蔽完成外径 TPE Jacket Non-Shielded Over diameter mm Ref. (SS Series)	包装 Packing M/Reel (Ref.)	TPU 护套 无屏蔽完成外径 TPU Jacket Non-screen Over diametermm Ref. (S90U Serie	包装 Packing M/Reel (Ref.)
EVDC-RSS EVDC-RSSPS EVDC-RS90S90 EVDC-RS90S90PS90 EVDC-RS90U EVDC-RS90S90U	2×16mm²+16mm²+2×4.0mm²+2P(2×0.75mm²)+P(8X0.75 mm²)	5.7	1.21	63A	30	300m/950#	28.5	3300m/950#
	2×20mm²+25mm²+2×4.0mm²+2P(2×0.75mm²)+P(8X0.75 mm²)	6.3	0.968	80A	33	400m/1200#	31.5	400m/1200#
	2×25mm²+25mm²+2×4.0mm²+2P(2×0.75mm²)+P(8X0.75 mm²)	7.2	0.78	100A	34	400m/1200#	32	400m/1200#
	2×35mm²+25mm²+2×4.0mm²+2P(2×0.75mm²)+P(8X0.75 mm²)	8.4	0.554	125A	36	400m/1200#	34	400m/1200#
	2×50mm²+25mm²+2×4.0mm²+2P(2×0.75mm²)+P(8X0.75 mm²)	10.2	0.386	150/200A	38	300m/1200#	36	300m/1200#
	2×70mm²+25mm²+2×4.0mm²+2P(2×0.75mm²)+P(8X0.75 mm²)	12.0	0.272	200/250A	40.5	250m/1200#	38	300m/1200#
	2×80mm²+25mm²+2×4.0mm²+2P(2×0.75mm²)+P(8X0.75 mm²)	12.8	0.238	250A	42	200m/1200#	39	250m/1200#
	2×95mm²+25mm²+2×4.0mm²+2P(2×0.75mm²)+P(8X0.75 mm²)	14.3	0.206	300A	44	200m/1200#	41.5	200m/1200#
EYU	2×10mm²+10mm²+2×4.0mm²+2P(2×0.75mm²)+P(8X0.75 mm²)	4.5	1.91	40A	26	300m/950#		
	2×16mm²+16mm²+2×4.0mm²+2P(2×0.75mm²)+P(8X0.75 mm²)	5.7	1.21	63A	28.5	300m/950#		
	2×20mm²+25mm²+2×4.0mm²+2P(2×0.75mm²)+P(8X0.75 mm²)	6.3	0.968	80A	31.5	400m/1200#		
	2×25mm²+25mm²+2×4.0mm²+2P(2×0.75mm²)+P(8X0.75 mm²)	7.2	0.78	100A	32	400m/1200#		
	2×35mm²+25mm²+2×4.0mm²+2P(2×0.75mm²)+P(8X0.75 mm²)	8.4	0.554	125A	34	400m/1200#		
	2×50mm²+25mm²+2×4.0mm²+2P(2×0.75mm²)+P(8X0.75 mm²)	10.2	0.386	150/200A	36	300m/1200#		
	2×70mm²+25mm²+2×4.0mm²+2P(2×0.75mm²)+P(8X0.75 mm²)	12.0	0.272	200/250A	38	300m/1200#		
	2×80mm²+25mm²+2×4.0mm²+2P(2×0.75mm²)+P(8X0.75 mm²)	12.8	0.238	250A	39	250m/1200#		
	2×95mm²+25mm²+2×4.0mm²+2P(2×0.75mm²)+P(8X0.75 mm²)	14.3	0.206	300A	41.5	200m/1200#		

规格为2芯16mm2～95mm2，低压辅助电源为2芯4.0～6.0mm2，可以增加1～15芯0.75mm2～2.5mm2的信号线，可信号线屏蔽或总缆屏蔽，产品的具体参数以技术图纸为准。
The specifications is 2 cores of 16mm2～95mm2 , auxiliary wire is 2 cores of 4.0～6.0mm2，including 1～15 core 0.75mm2～2.5mm2 signal wires，The signal wires can be shielded or total cable shielded，the specific parameters of product should be according to technical drawings.

CQC& DEKRA双认证交流充电电缆（SS、S9OS9O、S90U系列）
DUAL CERTIFICATION AC CHARGING CABLE SS SERIES

产品参考标准 | PRODUCT REFERENCE STANDARDS：
GB/T 33594-2017、DEKRA K175-2

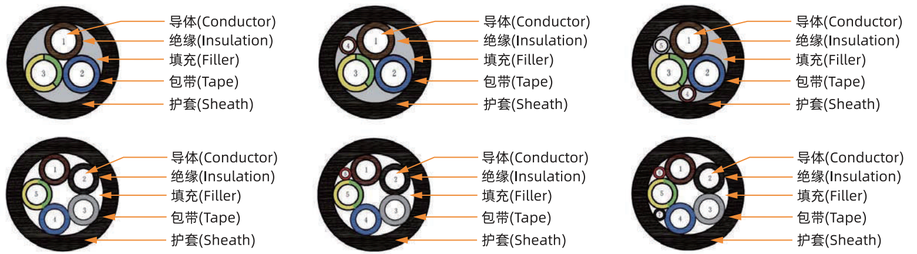
CQC证书编号 | CQC CERTIFICATE NUMBE0R：
V022173

DEKRA证书编号 | DEKRA CERTIFICATE NUMBER:
3167789

■ 产品描述 | PRODUCT DESCRIPTIONT

结构 Construction	电缆特性 Features
1.导体Conductor	1.额定温度Rated temperature：-40℃～90℃
材质Material：裸铜Bare Copper	2.额定电压Rated Voltage：AC 450/750V
2.绝缘Insulation	3.绝缘电阻Insulation Resistance：≥0.037MΩ.km at 60℃ Comply with CQC1103-215
材质Material：TPE	4.燃烧测试Flame Test：VW-1 Test method Comply with UL 2556
颜色Color：棕Brown、蓝Blue、黄/绿Yellow/Green	5.最小弯曲半径Min Bending Radius：≥6*OD
3.填充Filler	6.耐压Dielectric Voltage：2.5kVac/15min. No Breakdown
材质Material：PP Cord	7.低温冲击Low temperature impact：-40℃, No cracks
4.包带Tape	8.热冲击Hot Shock：150℃/1h No cracks
材质Material：无纺布Non-woven fabrics	9.耐油Oil Resistance：IRM902,IRM903,Gasoline 20h OD Variation≤15% No Cracks
5.护套Sheath	10.抗挤压Crush resistance：Sq≤4, crush force≥4KN ; 4≤Sq≤35, crush force≥11KN
材质Material：TPE or TPU	11.耐酸碱Resistance to Acid and alkali：168h, Tensile Strength Variation ≤30%; Elongation≥100%
颜色Color：黑色Black	12.环保要求Environmental Requirements：Compliant with RoHS and REACH

■ 产品结构图 | PRODUCT STRUCTURE DIAGRAM



型号 Type	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistancem Ω/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	TPE护套 无屏蔽完成外径 TPE Jacket Non-Shielded Over diameter mm Ref. (SS Series)	包装 Packing M/Reel (Ref.)	TPU 护套 无屏蔽完成外径 TPU Jacket Non-screen Over diameterrmm Ref. (S90U Serie	包装 Packing M/Reel (Ref.)
EV-SS EV-RSS EV-SSPS EV-RSSPS EV-S90S90 EV-RS90S90 EV-S90S90PS90 EV-RS90S90PS90 EV-S90U EV-RS90U EV-S90S90U EV-RS90S90U	3×1.5mm²+(0～2)×(0.5～0.75)mm²	1.6	13.3	13A	10.5-11.3	800m/700#	10.1-10.6	800m/700#
	3×2.5mm²+(0～2)×(0.5～0.75)mm²	2.1	7.98	18A	11.8-12.4	800m/700#	11.2-11.4	800m/700#
	3×4.0mm²+(0～2)×(0.5～0.75)mm²	2.8	4.95	25A	14.4	500m/700#	13.6	500m/700#
	3×6.0mm²+(0～2)×(0.5～0.75)mm²	3.5	3.30	34A	16.3	400m/800#	15.3	400m/800#
	3×10.0mm²+(0～2)×(0.5～0.75)mm²	4.5	1.91	50A	18.6	500m/950#	17.6	500m/950#
	3×16mm²+(0～2)×(0.5～0.75)mm²	5.7	1.21	67A	21.8	500m/950#	20.8	500m/950#
	5×2.5mm²+(0～2)×(0.5～0.75)mm²	2.1	7.98	18A	14.6-15	500m/700#	13.8-14.2	500m/700#
	5×4.0mm²+(0～2)×(0.5～0.75)mm²	2.8	4.95	25A	17.8	400m/800#	16.9	400m/800#
	5×6.0mm²+(0～2)×(0.5～0.75)mm²	3.5	3.30	34A	20	500m/950#	19	500m/950#
	5×10.0mm²+(0～2)×(0.5～0.75)mm²	4.5	1.91	50A	23	400m/950#	21.8	400m/950#
	5×16mm²+(0～2)×(0.5～0.75)mm²	5.7	1.21	67A	26.8	300m/950#	25.6	300m/950#
	5×25mm²+(0～2)×(0.5～0.75)mm²	7.2	0.78	90A	33.2	300m/1200#	31.6	300m/1200#
	5×35mm²+(0～2)×(0.5～0.75)mm²	8.4	0.554	110A	37	300m/1200#	35.4	300m/1200#

1、R标识第六类导体；
2、规格为3芯1.5mm2～35mm2，可以增加1～6芯0.5mm2～1.5mm2的信号线，可信号线屏蔽或总缆屏蔽，产品的具体参数以技术图纸为准。
1.R identifies category VI conductors.
2.The specifications is 3 cores of 1.5mm2～35mm2 ,including 1～6 core 0.5mm2～1.5mm2 signal wires，The signal wires can be shielded or total cable shielded，the specific parameters of product should be according to technical drawings.

以上产品规格、尺寸、结构可能因为技术进步而有所改变，同类规格可根据客户使用需求进行设计制造。
The specifications, sizes and structures of above product may change due to technological progress, and similar specifications can be designed and manufactured according to customer usage requirements.

CQC& DEKRA双认证交流充电电缆（EYU系列）
CQC AC CHARGING CABLE EYU SERIES

产品参考标准 | PRODUCT REFERENCE STANDARDS：
GB/T 33594-2017 DEKRA K175-2

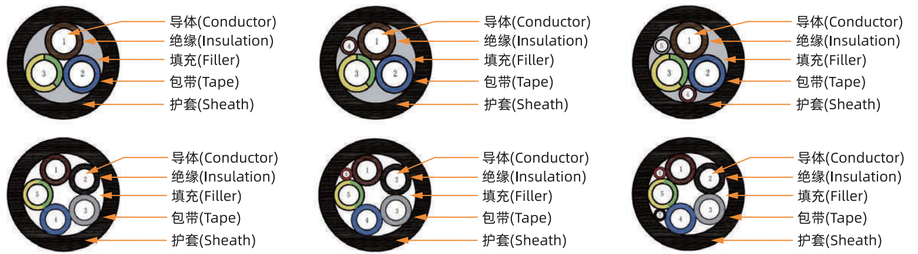
CQC证书编号 | CQC CERTIFICATE NUMBER：
V022173

DEKRA证书编号 | DEKRA CERTIFICATE NUMBER:
3167789

■ 产品描述 | PRODUCT DESCRIPTIONT

结构 Construction	电缆特性 Features
1.导体Conductor	1.额定温度Rated temperature：-40℃～90℃
材质Material：裸铜Bare Copper	2.额定电压Rated Voltage：AC 300/500V、 450/750V；DC 1000V
2.绝缘Insulation	3.燃烧测试Flame Test：Testing method according to EN 60332-1-2
材质Material：XLPO	4.最小弯曲半径Min Bending Radius：≥6*OD
颜色Color：棕Brown、蓝Blue、黄/绿Yellow/Green	5.耐压Dielectric Voltage：2.5 kV AC for main core，2.0 kV AC for CC/CP
3.填充Filler	6.低温冲击Low temperature impact：-40℃, No cracks
材质Material：PP Cord	7.热冲击Hot Shock：150℃/1h No cracks
4.包带Tape	8. 耐油 Oil Resistance：IRM902, 100℃*168h Tensile Strength Variation ＜±40%,
材质Material：无纺布Non-woven fabrics	Elongation Variation＜±30%
5.护套Sheath	9. 抗挤压Crush resistance：Sq≤4, crush force≥4KN ; 4≤Sq≤35, crush force≥11KN;
材质Material：TPU	10. 耐酸碱Resistance to Acid and alkali：168h, Tensile Strength Variation ≤30%; Elongation≥100%
颜色Color：黑色Black	11. 环保要求 Environmental Requirements：Compliant with RoHS 2.0 and REACH

■ 产品结构图 | PRODUCT STRUCTURE DIAGRAM



型号 Type	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistancem Ω/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	无屏蔽完成外径 Non-shielded Over diameter mm Ref	包装 Packing M/Reel (Ref.)
EYU	3×1.5mm²+(0～6)×(0.5～1.0)mm²	1.6	13.3	10A	8.8~9.6	800m/700#
	3×2.5mm²+(0～6)×(0.5～1.0)mm²	2.1	7.98	16A	10~10.8	800m/700#
	3×4.0mm²+(0～6)×(0.5～1.0)mm²	2.8	4.95	20A	11.5	500m/700#
	3×6.0mm²+(0～6)×(0.5～1.0)mm²	3.5	3.30	32A	13.2	400m/800#
	3×10.0mm²+(0～6)×(0.5～1.0)mm²	4.5	1.91	40A	16.3	500m/950#
	3×16mm²+(0～6)×(0.5～1.0)mm²	5.7	1.21	63A	19	500m/700#
	5×2.5mm²+(0～6)×(0.5～1.0)mm²	2.1	7.98	16A	13.5	500m/950#
	5×4.0mm²+(0～6)×(0.5～1.0)mm²	2.8	4.95	20A	15	400m/950#
	5×6.0mm²+(0～6)×(0.5～1.0)mm²	3.5	3.30	32A	16.8	300m/950#
	5×10.0mm²+(0～6)×(0.5～1.0)mm²	4.5	1.91	40A	20	300m/1200#
	5×16mm²+(0～6)×(0.5～1.0)mm²	5.7	1.21	63A	23.5	800m/700#
	5×25mm²+(0～6)×(0.5～1.0)mm²	7.2	0.78	80A	29	800m/700#
	5×35mm²+(0～6)×(0.5～1.0)mm²	8.4	0.554	125A	32.8	500m/700#

以上产品规格、尺寸、结构可能因为技术进步而有所改变，同类规格可根据客户使用需求进行设计制造。
The specifications, sizes and structures of above product may change due to technological progress, and similar specifications can be designed and manufactured according to customer usage requirements.

CQC认证交流弹簧充电电缆
CQC AC SPRING CHARGING CABLE

■ 产品参数 | PRODUCT PARAMETERS

弹簧电缆 Spring cable	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistancem Ω/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	无屏蔽完成外径 Non-shielded Over diameter mm Ref	包装 Packing M/Reel (Ref.)
EV-S90UT	3×2.5mm²+(0～2)×(0.5～0.75)mm²	2.1	7.98	16A	11.0-13.0	TBD
	3×4.0mm²+(0～2)×(0.5～0.75)mm²	2.8	4.95	25A	13.0-15.0	TBD
	3×6.0mm²+(0～2)×(0.5～0.75)mm²	3.5	3.30	32A	14.5-16.0	TBD
规格为2～5芯1.0mm2～6.0mm2，可以增加1～2芯0.5mm2～0.75mm2的信号线，可信号线屏蔽或总缆屏蔽，产品的具体参数以技术图纸为准。 The specifications is 2～6.0mm² cores of1.0mm²～6.0mm², auxiliary wire is 1～2 cores of0.5～0.75mm², including1～4 core 0.5mm²～2.5mm2signal wires, The signal wires can be shielded or total cable shielded, the specific parameters of product should be according to technical drawings.						
以上产品规格、尺寸、结构可能因为技术进步而有所改变，同类规格可根据客户使用需求进行设计制造。 The specifications, sizes and structures of above product may change due to technological progress, and similar specifications can be designed and manufactured according to customer usage requirements.						

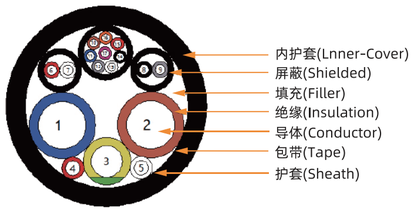
奥美格企业标准充电电缆
OMG CHARGING CABLE

产品参考标准 | PRODUCT REFERENCE STANDARDS：
Q/OMG6.2-2015(AC CHARGING CABLE)
Q/OMG6.3-2015(DC CHARGING CABLE)

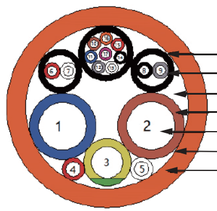
■ 产品描述 | PRODUCT DESCRIPTIONT

结构 Construction	电缆特性 Features
1.导体Conductor	1.额定温度Rated temperature：-40℃～105℃
材质Material：裸铜Bare Copper	2.额定电压Rated Voltage：AC 300/500V, 450/750V,DC 1000V
2.绝缘Insulation	3.绝缘电阻Insulation Resistance：≥36.7MΩ.km at 20℃ Comply with Q/OMG6.1-2015
材质Material：TPE or PVC	4.燃烧测试Flame Test：GB/T 18380.12-2008
颜色Color：棕Brown、蓝Blue、黄/绿Yellow/Green	5.最小弯曲半径Min Bending Radius：≥6*OD
3.填充Filler	6.耐压Dielectric Voltage：2.5kVac/15min. No Breakdown
材质Material：PP Cord	7.低温冲击Low temperature impact：-40℃, No cracks
4.包带Tape	8.热冲击Hot Shock：150℃/1h No cracks
材质Material：无纺布Non-woven fabrics	9.耐油Oil Resistance：IRM902,IRM903,Gasoline 20h OD Variations≤15% No Cracks
5.护套Sheath	10.耐碾压Vehicle driver over：5kN, 8Km/h, 220KPa, No Breakdown
材质Material：TPE, PVC or TPU	11.耐酸碱Resistance to Acid and alkali：168h, Tensile Strength Variation ≤30%; Elongation≥100%
颜色Color：黑色或橙色Black or Orange	12.环保要求Environmental Requirements：Compliant with RoHS and REACH

■ 产品结构图 | PRODUCT STRUCTURE DIAGRAM



内护套(Lnner-Cover)
屏蔽(Shielded)
填充(Filler)
绝缘(Insulation)
导体(Conductor)
包带(Tape)
护套(Sheath)



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填充(Filler)
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包带(Tape)
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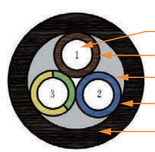

导体(Conductor)
绝缘(Insulation)
填充(Filler)
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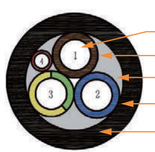

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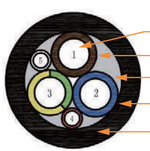

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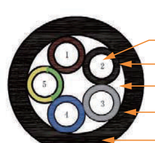

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绝缘(Insulation)
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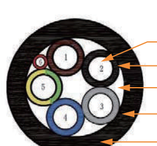

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绝缘(Insulation)
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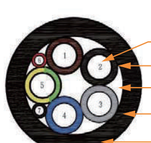

导体(Conductor)
绝缘(Insulation)
填充(Filler)
包带Tape)
护套(Sheath)

型号 Type	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistancem Ω/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	无屏蔽完成外径 Non-shielded Over diameter mm Ref	包装 Packing M/Reel (Ref.)
EVDC-EE/EEPE EVDC-YEYE/ YEYEPYE EVDC-VV/ VVPV EVDC-EU/ EEPU	2×16mm²+16mm²+2×4.0mm²+2P(2×0.75mm²)+ P(8×0.75mm²)	4.5	1.21	63A	30	300m/950#
	2×20mm²+25mm²+2×4.0mm²+2P(2×0.75mm²)+ P(8×0.75mm²)	6.3	0.968	80A	34	400m/1200#
	2×25mm²+25mm²+2×4.0mm²+2P(2×0.75mm²) +P(8×0.75mm²)	7.2	0.78	100A	34.5	400m/1200#
	2×35mm²+25 mm²+2×4.0mm²+2P(2×0.75mm²) +P(8×0.75mm²)	8.4	0.554	125A	36	400m/1200#
	2×50mm²+25 mm²+2×4.0mm²+2P(2×0.75mm²) +P(8×0.75mm²)	10.2	0.386	150/200A	37	300m/1200#
	2×70mm²+25 mm²+2×4.0mm²+2P(2×0.75mm²) +P(8×0.75mm²)	12.0	0.272	200/250A	40	250m/1200#
	2×80mm²+25mm²+2×4.0mm²+2P(2×0.75mm²) +P(8×0.75mm²)	12.8	0.238	250A	41	200m/1200#
	2×95mm²+25 mm²+2×4.0mm²+2P(2×0.75mm²) +P(8×0.75mm²)	14.3	0.206	300A	43	150m/1200#
EV07-EE/EEPE EV07-YEYE/ YEYEPYE EV07-VV/ VVPV EV07-EU/ EEPU	3×2.5mm²+(0 ~ 2)×(0.5 ~ 0.75)mm²	2.1	7.98	16A	11.1-12.7	800m/700#
	3×4.0mm²+(0 ~ 2)×(0.5 ~ 0.75)mm²	2.8	4.95	20A	13-13.5	500m/700#
	3×6.0mm²+(1 ~ 6)×(0.5 ~ 0.75)mm²	3.5	3.30	32A	14.5	400m/800#
	3×10.0mm²+(1 ~ 2)×(0.5 ~ 0.75)mm²	4.5	1.91	40A	18.5	500m/950#
	3×16mm²+(1 ~ 6)×(0.5 ~ 0.75)mm²	5.7	1.21	63A	21.8	500m/950#
	5×2.5mm²+(0 ~ 2)×(0.5 ~ 0.75)mm²	2.1	7.98	16A	13.5-15.0	500m/700#
	5×4.0mm²+(0 ~ 2)×(0.5 ~ 0.75)mm²	2.8	4.95	20A	15.5-17.0	400m/800#
	5×6.0mm²+(0 ~ 2)×(0.5 ~ 0.75)mm²	3.5	3.30	32A	17.5-18.5	500m/950#
	5×10.0mm²+(0 ~ 2)×(0.5 ~ 0.75)mm²	4.5	1.91	40A	22.5	400m/950#
	5×16mm²+(0 ~ 2)×(0.5 ~ 0.75)mm²	5.7	1.21	63A	26.5	300m/950#
	5×25mm²+(0 ~ 2)×(0.5 ~ 0.75)mm²	7.2	0.78	80A	32	400m/1200#
	5×35mm²+(0 ~ 2)×(0.5 ~ 0.75)mm²	8.4	0.554	125A	36.5	300m/1200#

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