

OMG'
奥美格

只为安全
Just for safe

绿色创新，造福人类
Green innovation
Make benefit for people

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

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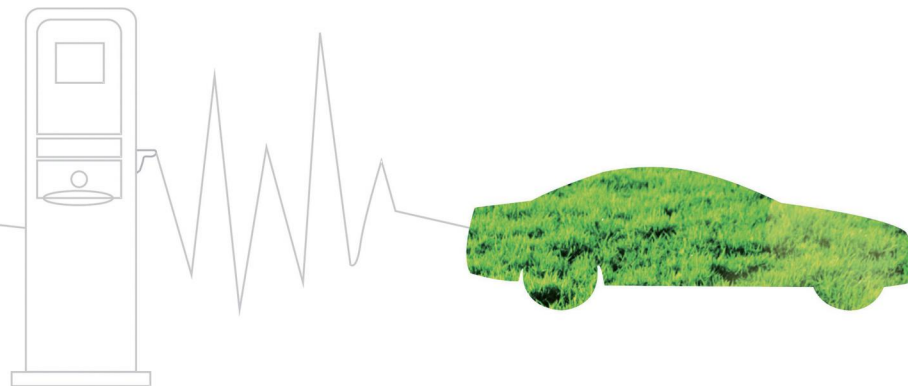
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OMG'
奥美格

目录
Directory

公司简介⁰¹
Company profile

资质证书⁰²
Qualification certificate

产品简介⁰³
Product profile



企业远景：成为受人尊重的国际企业 企业使命：绿色创新，造福人类

广东奥美格传动科技股份有限公司（股票简称：奥美格，股票代码：430406）。公司成立于2006年，股本2250万，是一家集研发、生产、销售、服务于一体的高新技术企业。

基于“绿色创新，造福人类”的企业使命，奥美格自2009年开始投入大量的资源进行新能源电动汽车传导类产品的自主研发，到2011年，产品研发及市场拓展均取得重大突破，成为国内首家获得UL认证的企业。继UL认证之后，新能源电动汽车传导类产品再获德国莱茵TUV认证、中国CQC认证，中国德凯认证。作为新能源电动汽车传导类产品行业的领军者，奥美格与中国质量认证中心合作起草了电动汽车传导充电系统用电缆技术规范，并与国内传导类产品行业的“黄埔军校”哈尔滨理工大学合作进行该产品及材料研发。

2012年受当地政府邀约，奥美格总部入驻松山湖高新技术产业园区。借助园区优越的政策资源及开放的信息资源结合市场需求，奥美格成为新能源电动汽车传导类产品行业中的佼佼者及产业链的整合者。

不断的挖掘及满足市场需求是奥美格人一直孜孜不倦的追求，以专业的产品及服务满足市场需求是奥美格不变的目标！我们坚信，奥美格将成为一家受人尊重的国际型企业！



Enterprise vision : To be a respected international enterprise
Enterprise mission : Green innovation for benefit of mankind

GuangDong OMG Transmitting Technology Co.,Inc (stock abbreviation: OMG, stock code: 430406) was founded in 2006, the share capital is 22.5 Million CNY. The company is a high-tech enterprise which integrating research and development ,production,sales and service in one. Currently, OMG is the first share enterprise of new energy EV conductive products market on China's domestic. Also OMG has the most international certification as the enterprise which independently research and development of new energy EV conductive products. Is the leader of new energy EV conductive products industry.

"Green innovation Make benefit for peoples," Based on the mission of the enterprise, Since 2009, OMG invested huge of resources in independent research and development of new energy EV conductive products. By 2011, product development and market development have made a major breakthrough, becoming the first UL certified enterprises. Moreover, New energy EV conductive products got the TUV authentication of German Rhine, China CQC certification, China DEKRA certification. As a new energy EV conductive products industry leader, China Quality Certification Center and OMG cooperation in draft technical specification for EV transmission cable charging system. Meanwhile, OMG and Harbin University of Science and Technology(the domestic transmission products industry "Huangpu military academy" cooperation in the product and material research.

In 2012, by the local government's offer, OMG headquarters was located in Songshan Lake hi tech Industrial park. With the help of the park is superior policy resources and open information resource with the market demand, OMG become the leader and integration of industry chain in new energy EV transmission product industry.

Constantly develop and match the demand of the market is OMGs diligent pursuit, With Professional products and services to reach the market demand is OMGs constant goal! We firmly believe that, OMG will become a respected international enterprises !

资质证书



奥美格电动汽车内部用（高压）电缆简介 EV High Voltage Cables For Internal Use

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。

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。

奥美格的产品有以下特点：

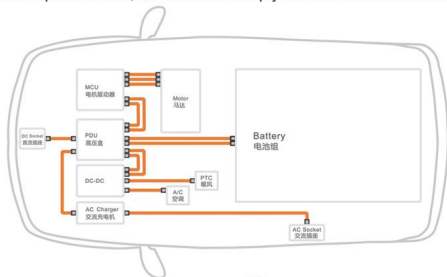
产品柔软、弯曲半径达5D以下；耐高低温、耐油、耐酸碱、耐水、耐磨、抗开裂、抗UV；阻燃性能好；导电性能好，导体温升小；所有材料符合RoHS2.0环保标准。

EV High voltage cables, as the carrier of power transmission, are used to connect the battery with the charging part, motor or internal link and Battery energy storage equipment and other fields. The high voltage cables have a very high performance because of the harsh environment inside the electric vehicle.

The OMG high voltage cable products, can perform ISO6722, ISO6722-1-2, 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.

OMG products has the following characteristics:

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 temperature rise; all materials comply with the latest standard of RoHS2.0.



电动汽车用AC 1.5kV高压软电缆 1.5kVac Flexible HV Cables For EV Use

参考标准: DB44/T 2100—2018
(Reference Standard: DB44/T 2100—2018)

产品描述 Product description:

1. 导体Conductor

材质Material: 裸铜Bare Copper

2. 绝缘Insulation

材质Material: XLPE

颜色Color: 橙色Orange

3. 屏蔽Shielded

材质Material: 镀锡铜Tinned Copper

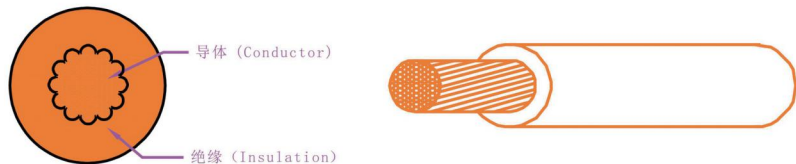
4. 护套Sheath

材质Material: XLPE 颜色Color: 橙色Orange

电缆特性 Features:

1. 额定温度Rated temperature: $-40^{\circ}\text{C} \sim +(125^{\circ}\text{C}, 150^{\circ}\text{C})$
2. 额定电压Rated Voltage: AC 1500V
3. 短期老化Short-term Aging: 240h, Comply with ISO6722
4. 长期老化Long-term Aging: 3000h, Comply with ISO6722
5. 燃烧测试Flame Test: VW-1 Test method Comply with UL 2556
6. 最小弯曲半径Min: Bending Radius: $4^{\circ}\text{OD} @ \text{OD} < 15\text{mm}$; $6^{\circ}\text{OD} @ \text{OD} \geq 15\text{mm}$
7. 耐压Dielectric Voltage: 6kVac/15min. No Breakdown
8. 耐油Oil Resistance: IRM902, IRM903, Gasoline for 20h in each, Variation of OD $\leq 15\%$, No Cracks
9. 抗撕裂Anti-tear Performance: $\geq 20\text{N/mm}$
10. 环保要求Environmental Requirements: Compliant with RoHS2.0 and REACH

1. 单层 (Single Layer)



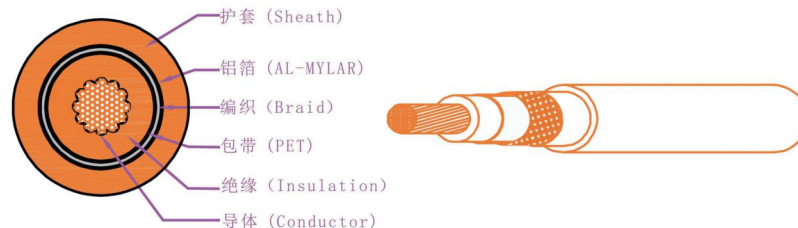
单层非屏蔽高压电缆
(Single layer unshielded)

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 resistance mΩ/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	完成外径 Over diameter mm (Ref.)
EVR-125 EVR-150	2.5mm ²	2.06	7.60	25	3.50
	4mm ²	2.70	4.71	35	4.50
	6mm ²	3.40	3.14	45	5.00
	10mm ²	4.50	1.82	70	6.40
	16mm ²	5.60	1.16	95	8.00
	25mm ²	7.20	0.743	130	10.00
	35mm ²	8.30	0.527	160	11.00
	50mm ²	10.1	0.368	210	13.00
	70mm ²	12.1	0.259	260	15.00
	95mm ²	14.5	0.196	320	17.30
120mm ²	15.9	0.153	370	19.50	

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 specification, size, structure of above product may be changed due to Technical progress, similar specifications are available according to customer's requirements

2. 屏蔽 (Shielded)



单层屏蔽高压电缆
(Single layer shielded)

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 resistance mΩ/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	完成外径 Over diameter mm (Ref.)
EVRP-125 EVRP-150	2.5mm ²	2.06	7.60	25	5.80
	4mm ²	2.70	4.71	35	6.80
	6mm ²	3.40	3.14	45	7.50
	10mm ²	4.50	1.82	70	9.20
	16mm ²	5.60	1.16	95	10.80
	25mm ²	7.20	0.743	130	13.20
	35mm ²	8.30	0.527	160	14.50
	50mm ²	10.1	0.368	210	16.50
	70mm ²	12.1	0.259	260	19.00
	95mm ²	14.5	0.196	320	21.60
120mm ²	15.9	0.153	370	23.60	

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。

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道路车辆用高压电缆

High voltage Cables for road vehicle

参考标准: QC/T 1037-2016、ISO 19642-2019-5、ISO 19642-2019-9

(Reference Standard: QC/T 1037-2016、ISO 19642-2019-5、ISO 19642-2019-9)

产品描述 Product description:

结构Construction

1. 导体Conductor

材质Material: 裸铜Bare Copper

2. 绝缘Insulation

材质Material: XLPE

颜色Color: 橙色Orange

3. 屏蔽Shielded

材质Material: 镀锡铜Tinned Copper

4. 护套Sheath

材质Material: XLPE

颜色Color: 橙色Orange

电缆特性 Features:

1. 额定温度Rated temperature: $-40^{\circ}\text{C} \sim +(125^{\circ}\text{C}, 150^{\circ}\text{C})$
2. 额定电压Rated Voltage: AC 600V/DC 900V; AC 1000V/DC 1500V
3. 短期老化Short-term Aging: 240h, Comply with QC/T 1037
4. 长期老化Long-term Aging: 3000h, Comply with QC/T 1037
5. 燃烧测试Flame Test: Comply With QC/T 1037
6. 最小弯曲半径Min: Bending Radius: $4 \cdot OD @ OD < 15\text{mm}$; $6 \cdot OD @ OD \geq 15\text{mm}$
7. 耐压Dielectric Voltage: 5kVac/5min. No Breakdown
8. 耐油Oil Resistance: Comply With QC/T 1037
9. 抗撕裂Anti-tear Performance: $>20\text{N/mm}$
10. 环保要求Environmental Requirements: Compliant with RoHS2.0 and REACH

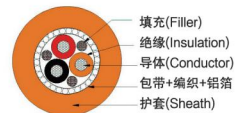
道路车辆用多芯屏蔽高压电缆技术参数:

AC 600V/DC 900V (多芯屏蔽)

产品系列 Product Series	芯数 Cores	规格 Size	导体绞合外径 Conductor Stranded OD mm (Ref.)	导体电阻 Max. Conductor resistance m Ω /m@20 $^{\circ}\text{C}$	参考允载电流 Permissible ampacity A (Ref.)	完成外径 Over diameter mm (Ref.)
QBJP2-C QBJP2-D	2	1.5mm ²	1.60	12.70	13	7.60
	3				11	8.00
	4				10	8.60
	5				9	9.20
	2	2.5 mm ²	2.06	7.60	18	8.60
	3				16	9.20
	4				14	9.90
	5	4 mm ²	2.70	4.71	13	10.80
	2				26	10.10
	3				22	10.60
	4				20	12.00
	5	6 mm ²	3.40	3.14	18	13.20
	2				33	11.80
	3				29	12.60
	4				26	13.60
	5				23	14.80

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 specification, size, structure of above product may be changed due to Technical progress, similar specifications are available according to customer's requirements

多芯屏蔽高压电缆产品结构图:



道路车辆用非屏蔽高压电缆技术参数:

AC 600V/DC 900V(非屏蔽)

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 resistance m Ω/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	完成外径 Over diameter mm (Ref.)
QBJ-C QBJ-D	1.5mm ²	1.60	12.7	18	2.30
	2.5mm ²	2.06	7.60	25	2.85
	4mm ²	2.70	4.71	35	3.55
	6mm ²	3.40	3.14	45	4.15
	10mm ²	4.50	1.82	70	5.60
	16mm ²	5.60	1.16	95	6.90
	25mm ²	7.20	0.743	130	8.40
	35mm ²	8.30	0.527	160	9.80
	50mm ²	10.1	0.368	210	11.90
	70mm ²	12.1	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。
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AC 1000V/DC 1500V (非屏蔽)

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 resistance m Ω/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	完成外径 Over diameter mm (Ref.)
QZJ-C QZJ-D	10mm ²	4.50	1.82	70	6.80
	16mm ²	5.60	1.16	95	8.00
	25mm ²	7.20	0.743	130	10.00
	35mm ²	8.30	0.527	160	11.00
	50mm ²	10.1	0.368	210	13.00
	70mm ²	12.1	0.259	260	15.00
	95mm ²	14.5	0.196	320	17.30
	120mm ²	15.9	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。
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道路车辆用屏蔽高压电缆技术参数:

AC 600V/DC 900V(屏蔽)

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 resistance m Ω/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	完成外径 Over diameter mm (Ref.)
QBJP2-C QBJP2-D	1.5mm ²	1.60	12.7	18	4.00
	2.5mm ²	2.06	7.60	25	4.60
	4mm ²	2.70	4.71	35	5.40
	6mm ²	3.40	3.14	45	6.40
	10mm ²	4.50	1.82	70	8.20
	16mm ²	5.60	1.16	95	9.50
	25mm ²	7.20	0.743	130	11.50
	35mm ²	8.30	0.527	160	13.50
	50mm ²	10.1	0.368	210	15.50
	70mm ²	12.1	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。
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AC 1000V/DC 1500V (屏蔽)

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 resistance m Ω/m@20℃	参考允载电流 Permissible ampacity A (Ref.)	完成外径 Over diameter mm (Ref.)
QZJP2-C QZJP2-D	10mm ²	4.50	1.82	70	9.50
	16mm ²	5.60	1.16	95	11.30
	25mm ²	7.20	0.743	130	13.50
	35mm ²	8.30	0.527	160	14.50
	50mm ²	10.1	0.368	210	17.00
	70mm ²	12.1	0.259	260	19.00
	95mm ²	14.5	0.196	320	21.60
	120mm ²	15.9	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。
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道路车辆用铝芯高压电缆

High voltage Cables for road vehicle

参考标准: ISO 19642-2019-6、ISO 19642-2019-10

(Reference Standard: ISO 19642-2019-6、ISO 19642-2019-10)

产品描述 Product description:

1. 导体Conductor

材质Material: 铝合金AAL

2. 绝缘Insulation

材质Material: XLPE

颜色Color: 橙色Orange

3. 屏蔽Shielded

材质Material: 镀锡铜Tinned Copper

4. 护套Sheath

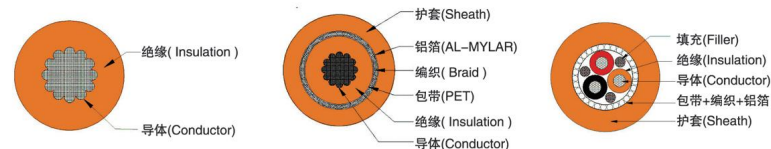
材质Material: XLPE

颜色Color: 橙色Orange

电缆特性 Features:

1. 额定温度Rated temperature: $-40^{\circ}\text{C} \sim +(125^{\circ}\text{C}, 150^{\circ}\text{C})$
2. 额定电压Rated Voltage: AC 600V/DC 900V; AC 1000V/DC 1500V
3. 短期老化Short-term Aging: 240h, Comply with ISO 19642-2019
4. 长期老化Long-term Aging: 3000h, Comply with ISO 19642-2019
5. 燃烧测试Flame Test: Comply With ISO 19642-2019
6. 最小弯曲半径Min: Bending Radius: $6^{\circ}\text{OD} @ \text{OD} < 15\text{mm}$; $8^{\circ}\text{OD} @ \text{OD} \geq 15\text{mm}$
7. 耐压Dielectric Voltage: 5kVac/5min. No Breakdown
8. 耐油Oil Resistance: Comply With ISO 19642-2019
9. 抗撕裂Anti-tear Performance: $>15\text{N/mm}$
10. 环保要求Environmental Requirements: Compliant with RoHS2.0 and REACH

产品结构图:



铝导体具体结构尺寸依据标准

铜导体电缆和铝导体电缆规格推荐代替对照表如下

Nominal conductor cross-section		Strand		Conductor					
名义导体截面		单丝		导体					
	Only for comparison	Quantity	Diameter	Diameter d1	Twist length	Cross-section		Resistance at +20°C	
	仅供比较	数量	直径	导体直径	绞线长度	导体截面		20°C标称电阻	
Al	Cu	Al	Al	Al	Al	Al			
mm ²	mm ²	PCS	mm	mm		mm ²			
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

电动汽车充电电缆简介

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。

奥美格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。

奥美格拥有先进的生产设备和雄厚的技术力量，并得到了众多科研单位及有关专家的指导和支持，产品质量达到国内先进水平，取得了中国质量认证中心（CQC）质量检验合格证书，并通过了ISO9001及IATF16949质量管理体系认证，产品远销国内外，深受广大用户的一致好评。

奥美格的产品有以下优点：

产品柔软、手感良好，弯曲半径小于5D；耐油、耐酸碱、耐水、耐磨、耐碾压、抗开裂、抗UV、颜色稳定；阻燃性能好；耐弯折50000次以上；所有材料符合RoHS 2.0 & REACH最新环保标准。

The Profile of electric vehicle charging cables

Electric vehicle charging cable is a cable intended to connect the electric vehicle supply equipment to the electric vehicle, there are a certain number of signal wires, control wires and Auxiliary wires in order to ensure the whole charging progress control accurately and operate safely, The charging cable is generally used in the charging station, parking, hotel, residential, garage and other regions, portable charging cable can be placed in the vehicle.

OMG electric vehicle charging cables has obtained the certificate of UL, TUV, CQC and DEKRA, IEC, EN50620; and We are also the technical specification for cables of electric vehicle conductive charging systems (CQC1103-2015, CQC1104-2015, CQC1105-2015) in the drafting units of the CQC standard and The national standard of electric vehicle charging cable (GB/T33594-2017)

With advanced production equipment and powerful technical strength, our company wins support from many scientific research units and relative experts, Quality of the products comes up to internal advanced level. Besides, Our company has got the certificate of conformity for national quality inspection. And passed ISO9001 and IATF16949 quality management system certification. The products are far sold to foreign countries and win favorable comments from users.

OMG products has the following advantages:

The cable, feels good and very soft, the minimum bending radius reach to 5 times of cable diameter; resistance to oil, water, acid and alkali, abrasion, vehicle rolling cracking, and UV, color stability; good retardant flame performance; good bending performance of more than 50000 times; all the materials comply with the latest standard of RoSH 2.0.





美国UL 认证充电电缆UL charging cable
参考标准Reference Standard: UL62
UL档案号_UL File No.:E345899



产品描述 Product description:

结构Construction

1.导体Conductor

材质Material: 裸铜Bare Copper

2.绝缘Insulation

材质Material: TPE or PVC

颜色: 黑Black, 红red, 绿/黄Green/Yellow (或其他标准推荐的颜色)

3.填充Filler

材质Material: PP hemp or cotton yarn

包带Tape

材质Material:无纺布Non-woven fabrics

4.护套Sheath

材质Material: TPE or PVC

颜色Color: 黑色或橙色Black or Orange

电缆特性 Features:

额定温度Rated temperature: -40°C ~ 105°C

额定电压Rated Voltage: 300V, 600V or 1000V

燃烧测试Flame Test: VW-1 Test method Comply with UL 2556

最小弯曲半径Min: Bending Radius: ≥6*OD

耐压Dielectric Voltage: 1.5kVac/1min. No Breakdown Test method Comply with UL 2556

低温弯曲Cold Bending: -40°C/4h No cracks Test method Comply with UL 2556

热冲击Hot Shock: 150°C/1h No cracks Test method Comply with UL 2556

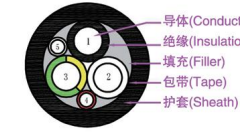
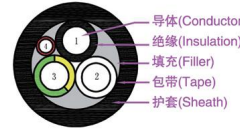
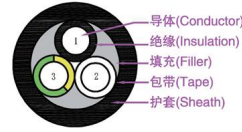
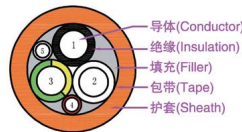
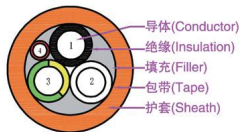
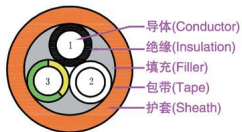
耐油Oil Resistance: IRM902, 60°C/168h Tensile and Elongation ≥70% Unaged value

耐碾压 Crush Resistance: S≤12AWG 4.45kN, 12AWG < S≤2AWG, 11.1kN, 2AWG < S 15.6kN

耐气候Weather Resistance: 720h in a xenon arc weatherometer, No cracks

环保要求Environmental Requirements: Compliant with RoHS 2.0 and REACH

产品结构图:



型号 Type	规格 Size	导体绞合外径 Conductor Stranded OD mm Ref.	导体电阻 Max. Conductor resistance m Ω/m @20°C	参考允载电流 Permissible ampacity @20°C ambient Ref.	完成外径 Over diameter mm	包装 Packing M/Reel (Ref.)
600V or 1000V EVE(TPE) EVT(PVC)	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#
	2 × 4AWG+6AWG	6.6/5.4	0.882/1.4	75A	27.0 ± 0.9	300m/950#
	2 × 2AWG+4AWG	8.2/6.6	0.555/0.882	100A	30.5 ± 1.0	400m/1200#
	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#
	2 × 2AWG+4AWG+18AWG	8.2/6.6	0.555/0.882/22.4	100A	30.5 ± 1.0	400m/1200#
	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	10.5/8.2	0.349/0.555	200A	38.0 ± 1.0	250m/1200#	
2 × 3/0AWG+1/0AWG	13.05/10.5	0.219/0.349	260A	45.0 ± 1.0	150m/1200#	
300V EVJE(TPE) EVJT(PVC)	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。

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。

EN& IEC及欧洲机构标准充电电缆 EN& IEC Standard Charging Cables
 参考标准 Reference Standard: EN 50620:2017、
 IEC62893-3: 2017、DEKRA K175
 证书号 Certificate No.: DEKRA 31-112985、DEKRA 31-111496、
 TUV R50436193 0001、TUV R50436194 0001

产品描述 Product description:

结构 Construction

1. 导体 Conductor

材质 Material: 裸铜 Bare Copper

2. 绝缘 Insulation

材质 Material: EVI-2

颜色 Color: 棕 Brown, 蓝 Blue, 黄/绿 Yellow/Green

3. 填充 Filler

材质 Material: PP Cord

4. 包带 Tape

材质 Material: 无纺布 Non-woven fabrics

5. 护套 Sheath

材质 Material: TPU

颜色 Color: 任意颜色 Any color

电缆特性 Features:

额定温度 Rated temperature: $-40^{\circ}\text{C} \sim 90^{\circ}\text{C}$

额定电压 Rated Voltage: AC 300/500V、450/750V; DC 1000V

燃烧测试 Flame Test: Testing method according to EN 60332-1-2

最小弯曲半径 Min: Bending Radius: $\geq 6^{\circ}\text{OD}$

耐压 Dielectric Voltage: 2.5 kV AC for main core, 2.0 kV AC for CC/CP

低温冲击 Low temperature impact: -40°C , No cracks

热冲击 Hot Shock: $150^{\circ}\text{C}/1\text{h}$ No cracks

耐油 Oil Resistance: IRM902, $100^{\circ}\text{C} \times 168\text{h}$ Tensile Strength Variation $< \pm 40\%$,

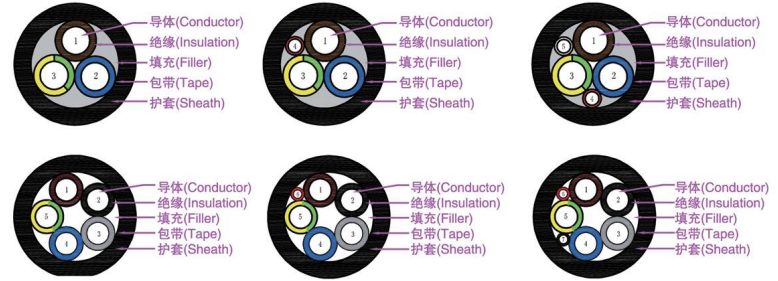
Elongation Variation $< \pm 30\%$

抗挤压 Crush resistance: $Sq \leq 4$, crush force $\geq 4\text{KN}$; $4 \leq Sq \leq 35$, crush force $\geq 11\text{KN}$;

耐酸碱 Resistance to Acid and alkali: 168h, Tensile Strength Variation $\leq 30\%$; Elongation $\geq 100\%$

环保要求 Environmental Requirements: Compliant with RoHS 2.0 and REACH

产品结构图:



型号 Type	规格 Size	导体绞合 外径 Conductor Stranded OD Ref. mm	导体电阻 Max. Conductor resistance mΩ/m@20°C	参考允载电流 Permissible ampacity @20 °C ambient Ref.	无屏蔽 完成外径 Non-shielded Over diameter mm Ref.	包装 M/Reel (Ref.)
H05BZ5-F 62893IEC1 21	$3 \times 1.5\text{mm}^2 + (0-6) \times (0.5-1.0)\text{mm}^2$	1.6	13.3	10A	8.6-9.6	800m/700#
	$3 \times 2.5\text{mm}^2 + (0-6) \times (0.5-1.0)\text{mm}^2$	2.1	7.98	16A	9.8-10.8	800m/700#
H07BZ5-F 62893IEC1 23	$3 \times 1.5\text{mm}^2 + (0-6) \times (0.5-1.0)\text{mm}^2$	1.6	13.3	10A	8.8-9.6	800m/700#
	$3 \times 2.5\text{mm}^2 + (0-6) \times (0.5-1.0)\text{mm}^2$	2.1	7.98	16A	10-10.8	800m/700#
	$3 \times 4.0\text{mm}^2 + (0-6) \times (0.5-1.0)\text{mm}^2$	2.8	4.95	20A	11.5	500m/700#
	$3 \times 6.0\text{mm}^2 + (0-6) \times (0.5-1.0)\text{mm}^2$	3.5	3.30	32A	13.2	400m/800#
	$3 \times 10.0\text{mm}^2 + (0-6) \times (0.5-1.0)\text{mm}^2$	4.5	1.91	40A	16.3	500m/950#
	$3 \times 16\text{mm}^2 + (0-6) \times (0.5-1.0)\text{mm}^2$	5.7	1.21	63A	19	500m/700#
	$5 \times 2.5\text{mm}^2 + (0-6) \times (0.5-1.0)\text{mm}^2$	2.1	7.98	16A	13.5	500m/950#
	$5 \times 4.0\text{mm}^2 + (0-6) \times (0.5-1.0)\text{mm}^2$	2.8	4.95	20A	15	500m/950#
	$5 \times 6.0\text{mm}^2 + (0-6) \times (0.5-1.0)\text{mm}^2$	3.5	3.30	32A	16.8	300m/950#
	$5 \times 10.0\text{mm}^2 + (0-6) \times (0.5-1.0)\text{mm}^2$	4.5	1.91	40A	20	300m/1200#
	$5 \times 16\text{mm}^2 + (0-6) \times (0.5-1.0)\text{mm}^2$	5.7	1.21	63A	23.5	800m/700#
	$5 \times 25\text{mm}^2 + (0-6) \times (0.5-1.0)\text{mm}^2$	7.2	0.78	80A	29	800m/700#
$5 \times 35\text{mm}^2 + (0-6) \times (0.5-1.0)\text{mm}^2$	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 specification, size, structure of above products may be changed due to Technical progress, similar specifications are available according to requirements of customer

TUV认证交流弹簧充电电缆EN50620和
IEC62893弹簧线 AC Spring charging cable
证书号：R 50436193 0002

Spring cable	规格 Size	导体综合外径 Conductor Stranded OD Ref. mm	导体电阻 Max. Conductor resistance mΩ/m@20℃	参考允许电流 Permissible ampacity@20 ℃ ambient 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 × 1.5mm ² +(0-6) × (0.5-1.0)mm ²	1.6	13.3	10A	10.0	TBD
	3 × 2.5mm ² +(0-6) × (0.5-1.0)mm ²	2.1	7.98	16A	11.2	TBD
EVC H05BZ5H8-F Extensible 62893 IEC 121	3 × 1.5mm ² +(0-6) × (0.5-1.0)mm ²	1.6	13.3	10A	10.0	TBD
	3 × 2.5mm ² +(0-6) × (0.5-1.0)mm ²	2.1	7.98	16A	11.2	TBD
	3 × 4mm ² +(0-6) × (0.5-1.0)mm ²	2.8	4.95	20A	12.5	TBD
	3 × 6mm ² +(0-6) × (0.5-1.0)mm ²	3.2	3.3	32A	13.3	TBD
	5 × 2.5mm ² +(0-6) × (0.5-1.0)mm ²	2.1	7.98	16A	13.3	TBD
	5 × 4mm ² +(0-6) × (0.5-1.0)mm ²	2.8	4.95	20A	15.5	TBD
	5 × 6mm ² +(0-6) × (0.5-1.0)mm ²	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.

CQC认证交流弹簧充电电缆CQC AC Spring charging cable

Spring cable	规格 Size	导体综合外径 Conductor Stranded OD Ref. mm	导体电阻 Max. Conductor resistance mΩ/m@20℃	参考允许电流 Permissible ampacity@20 ℃ ambient Ref.	无屏蔽完成外径 Non-shielded Over diameter mm Ref.	包装 Packing M/Reel(Ref.)
EV-S90UT	3 × 2.5mm ² +(0-2) × (0.5-0.75)mm ²	2.1	7.98	16A	11.0-13.0	TBD
	3 × 4.0mm ² +(0-2) × (0.5-0.75)mm ²	2.8	4.95	25A	13.0-15.0	TBD
	3 × 6.0mm ² +(0-2) × (0.5-0.75)mm ²	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 of 1.0mm²-6.0mm², auxiliary wire is 1-2 cores of 0.5-0.75mm², including 1-4 core 0.5mm²-2.5mm² signal wires, The signal wires can be shielded or total cable shielded, the specific parameters of product should be according to technical drawings.

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 specification, size, structure of above product may be changed due to Technical progress, similar specifications are available according to customer's requirements



CQC认证直流充电电缆CQC DC Charging Cable
 参考标准Reference Standard: GB/ T33594-2017
 CQC证书号CQC Certificate No.:V022173

产品描述 Product description:

结构Construction

1.导体Conductor

材质Material: 裸铜Bare Copper

2.绝缘Insulation

材质Material: TPE

颜色Color: 棕 Brown, 蓝Blue, 黄/绿Yellow/Green

3.填充Filler

材质Material: PP Cord

4.包带Tape

材质Material:无纺布Non-woven fabrics

5.护套Sheath

材质Material: TPE or TPU

颜色Color: 黑色Black

电缆特性 Features:

额定温度Rated temperature: -40℃ ~ 105℃

额定电压Rated Voltage: DC 1000V

绝缘电阻Insulation Resistance: $\geq 3670M\Omega \cdot km$ at 20℃ Comply with GB/T 33594-2017

燃烧测试Flame Test: GB/T 18380.12-2008

最小弯曲半径Min: Bending Radius: $\geq 6^{\circ}OD$

耐压Dielectric Voltage: 8.4kVdc/15min. No Breakdown

低温冲击Low temperature impact: -40℃, No cracks

热冲击Hot Shock: 150℃/1h No cracks

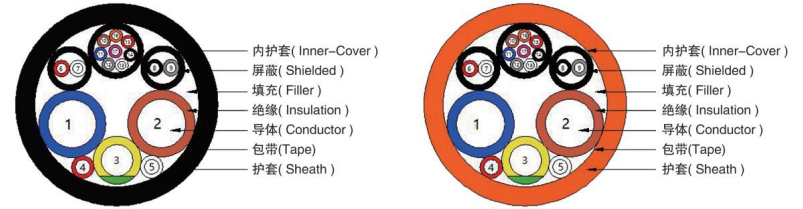
耐油Oil Resistance: IRM902,IRM903,Gasoline 20h OD Variation $\leq 15\%$ No Cracks

抗挤压Crush resistance: $4 \leq Sq \leq 35$, crush force $\geq 11KN$; $Sq > 35$, crush force $\geq 15KN$;

耐酸碱Resistance to Acid and alkali: 168h, Tensile Strength Variation $\leq 30\%$; Elongation $\geq 100\%$

环保要求Environmental Requirements: Compliant with RoHS 2.0 and REACH

产品结构图:



型号 Type	规格 Spec	导体绞合 外径 Conductor Stranded OD Ref. mm	导体电阻 Max. Conducto r resistance mΩ /m@20℃	参考允许电 流 Permissible ampacity@ 20℃ ambient 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	TPU 护套无屏蔽 完成外径 PU Jacket Non-screen Over diameter mm Ref. (S90U Series)	包装 Packing M/Reel (Ref.)
EVDC-RSS	2 × 16mm ² +16mm ² +2 × 4.0mm ² +2P(2 × 0.75mm ²)+P(8X0.75 mm ²)	5.7	1.21	63A	30	300m/950#	28.5	300m/950#
EVDC-RSSPS	2 × 20mm ² +25mm ² +2 × 4.0mm ² +2P(2 × 0.75mm ²)+P(8X0.75 mm ²)	6.3	0.968	80A	33	400m/1200#	31.5	400m/1200#
EVDC-RS90S90	2 × 25mm ² +25mm ² +2 × 4.0mm ² +2P(2 × 0.75mm ²)+P(8X0.75 mm ²)	7.2	0.78	100A	34	400m/1200#	32	400m/1200#
EVDC-RS90S90S90	2 × 35mm ² +25mm ² +2 × 4.0mm ² +2P(2 × 0.75mm ²)+P(8X0.75 mm ²)	8.4	0.554	125A	36	400m/1200#	34	400m/1200#
EVDC-RS90U	2 × 50mm ² +25mm ² +2 × 4.0mm ² +2P(2 × 0.75mm ²)+P(8X0.75 mm ²)	10.2	0.386	150/200A	38	300m/1200#	36	300m/1200#
EVDC-RS90U	2 × 70mm ² +25mm ² +2 × 4.0mm ² +2P(2 × 0.75mm ²)+P(8X0.75 mm ²)	12.0	0.272	200/250A	40.5	250m/1200#	38	300m/1200#
EVDC-RS90U	2 × 80mm ² +25mm ² +2 × 4.0mm ² +2P(2 × 0.75mm ²)+P(8X0.75 mm ²)	12.8	0.238	250A	42	200m/1200#	39	250m/1200#
EVDC-RS90U	2 × 95mm ² +25mm ² +2 × 4.0mm ² +2P(2 × 0.75mm ²)+P(8X0.75 mm ²)	14.3	0.206	300A	44	200m/1200#	41.5	200m/1200#
EVU	2 × 10mm ² +10mm ² +2 × 4.0mm ² +2P(2 × 0.75mm ²)+P(8X0.75 mm ²)	4.5	1.91	40A	26	300m/950#		
	2 × 16mm ² +16mm ² +2 × 4.0mm ² +2P(2 × 0.75mm ²)+P(8X0.75 mm ²)	5.7	1.21	63A	28.5	300m/950#		
	2 × 20mm ² +25mm ² +2 × 4.0mm ² +2P(2 × 0.75mm ²)+P(8X0.75 mm ²)	6.3	0.968	80A	31.5	400m/1200#		
	2 × 25mm ² +25mm ² +2 × 4.0mm ² +2P(2 × 0.75mm ²)+P(8X0.75 mm ²)	7.2	0.78	100A	32	400m/1200#		
	2 × 35mm ² +25mm ² +2 × 4.0mm ² +2P(2 × 0.75mm ²)+P(8X0.75 mm ²)	8.4	0.554	125A	34	400m/1200#		
	2 × 50mm ² +25mm ² +2 × 4.0mm ² +2P(2 × 0.75mm ²)+P(8X0.75 mm ²)	10.2	0.386	150/200A	36	300m/1200#		
	2 × 70mm ² +25mm ² +2 × 4.0mm ² +2P(2 × 0.75mm ²)+P(8X0.75 mm ²)	12.0	0.272	200/250A	38	300m/1200#		
	2 × 80mm ² +25mm ² +2 × 4.0mm ² +2P(2 × 0.75mm ²)+P(8X0.75 mm ²)	12.8	0.238	250A	39	250m/1200#		
2 × 95mm ² +25mm ² +2 × 4.0mm ² +2P(2 × 0.75mm ²)+P(8X0.75 mm ²)	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、S90S90、S90U 系列 CQC AC Charging Cable
 参考标准 Reference Standard: GB/T 33594-2017、DEKRA K175-2
 CQC 证书号 CQC Certificate No.: V022173
 DEKRA 证书号 DEKRA Certificate No.: 3167789

产品描述 Product description:

结构 Construction

1. 导体 Conductor

材质 Material: 裸铜 Bare Copper

2. 绝缘 Insulation

材质 Material: TPE

颜色 Color: 棕 Brown, 蓝 Blue, 黄/绿 Yellow/Green

3. 填充 Filler

材质 Material: PP Cord

4. 包带 Tape

材质 Material: 无纺布 Non-woven fabrics

5. 护套 Sheath

材质 Material: TPE 或 TPU

颜色 Color: 黑色 Black

电缆特性 Features:

额定温度 Rated temperature: -40°C ~ 90°C

额定电压 Rated Voltage: AC 450/750V

绝缘电阻 Insulation Resistance: $\geq 0.037 M\Omega \cdot km$ at 60°C Comply with CQC1103-215

燃烧测试 Flame Test: VW-1 Test method Comply with UL 2556

最小弯曲半径 Min: Bending Radius: $\geq 6 \cdot OD$

耐压 Dielectric Voltage: 2.5kVac/15min. No Breakdown

低温冲击 Low temperature impact: -40°C, No cracks

热冲击 Hot Shock: 150°C/1h No cracks

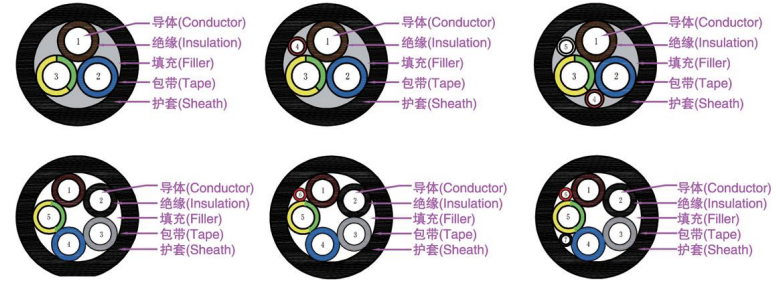
耐油 Oil Resistance: IRM902, IRM903, Gasoline 20h OD Variation $\leq 15\%$ No Cracks

抗挤压 Crush resistance: $Sq \leq 4$, crush force $\geq 4KN$; $4 \leq Sq \leq 35$, crush force $\geq 11KN$;

耐酸碱 Resistance to Acid and alkali: 168h, Tensile Strength Variation $\leq 30\%$; Elongation $\geq 100\%$

环保要求 Environmental Requirements: Compliant with RoHS 2.0 and REACH

产品结构图:



型号 Type	规格 Spec	导体绞合外径 Conductor Stranded OD Ref. mm	导体电阻 Max. Conductor resistance mΩ/m@20°C	参考允许电流 Permissible ampacity@20 °C ambient Ref.	TPE 护套无屏 蔽完成外径 TPE Jacket Non-Shielded Over diameter mm Ref. (SS and s90 Series)	包装 M/Reel	PU 护套无屏 蔽完成外径 PU Jacket Non-screen Over diameter mm Ref. (S90U Series)	包装 Packing M/Reel (Ref.)
EV-SS	3 × 1.5mm ² +(0-2) × (0.5-0.75)mm ²	1.6	13.3	13A	10.5-11.3	800m/700#	10.1-10.6	800m/700#
EV-RSS	3 × 2.5mm ² +(0-2) × (0.5-0.75)mm ²	2.1	7.98	18A	11.8-12.4	800m/700#	11.2-11.4	800m/700#
EV-SSPS	3 × 4.0mm ² +(0-2) × (0.5-0.75)mm ²	2.8	4.95	25A	14.4	500m/700#	13.6	500m/700#
EV-RSSPS	3 × 6.0mm ² +(0-2) × (0.5-0.75)mm ²	3.5	3.30	34A	16.3	400m/800#	15.3	400m/800#
EV-S90S90	3 × 10.0mm ² +(0-2) × (0.5-0.75)mm ²	4.5	1.91	50A	18.6	500m/950#	17.6	500m/950#
EV-RS90S90	3 × 16mm ² +(0-2) × (0.5-0.75)mm ²	5.7	1.21	67A	21.8	500m/950#	20.8	500m/950#
EV-S90S90PS90	5 × 2.5mm ² +(0-2) × (0.5-0.75)mm ²	2.1	7.98	18A	14.6-15	500m/700#	13.8-14.2	500m/700#
EV-RS90S90PS90	5 × 4.0mm ² +(0-2) × (0.5-0.75)mm ²	2.8	4.95	25A	17.8	400m/800#	16.9	400m/800#
EV-S90U	5 × 6.0mm ² +(0-2) × (0.5-0.75)mm ²	3.5	3.30	34A	20	500m/950#	19	500m/950#
EV-RS90U	5 × 10.0mm ² +(0-2) × (0.5-0.75)mm ²	4.5	1.91	50A	23	400m/950#	21.8	400m/950#
EV-S90S90U	5 × 16mm ² +(0-2) × (0.5-0.75)mm ²	5.7	1.21	67A	26.8	300m/950#	25.6	300m/950#
EV-RS90S90U	5 × 25mm ² +(0-2) × (0.5-0.75)mm ²	7.2	0.78	90A	33.2	300m/1200#	31.6	300m/1200#
EV-RS90S90U	5 × 35mm ² +(0-2) × (0.5-0.75)mm ²	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, 可信号线屏蔽或总屏蔽, 产品的具体参数以技术图纸为准。
 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 specification, size, structure of above product may be changed due to Technical progress, similar specifications are available according to customer's requirements

CQC& DEKRA双认证交流充电电缆EYU系列

CQC AC Charging Cable EYU

参考标准Reference Standard: GB/T 33594-2017 DEKRA K175-2

CQC证书号CQC Certificate No.:V022173

DEKRA证书号DEKRA Certificate No.:3167789

产品描述 Product description:

结构Construction

1.导体Conductor

材质Material: 裸铜Bare Copper

2.绝缘Insulation

材质Material: XLPO

颜色Color: 棕 Brown, 蓝Blue, 黄/绿Yellow/Green

3.填充Filler

材质Material: PP Cord

4.包带Tape

材质Material:无纺布Non-woven fabrics

5.护套Sheath

材质Material: TPU

颜色Color: 黑色Black

电缆特性 Features:

额定温度Rated temperature: -40°C ~ 90°C

额定电压Rated Voltage: AC 300/500V、450/750V; DC 1000V

燃烧测试Flame Test: Testing method according to EN 60332-1-2

最小弯曲半径Min: Bending Radius: $\geq 6 \times OD$

耐压Dielectric Voltage: 2.5 kV AC for main core, 2.0 kV AC for CC/CP

低温冲击Low temperature impact: -40°C, No cracks

热冲击Hot Shock: 150°C/1h No cracks

耐油Oil Resistance: IRM902, 100°C*168h Tensile Strength Variation $< \pm 40\%$,

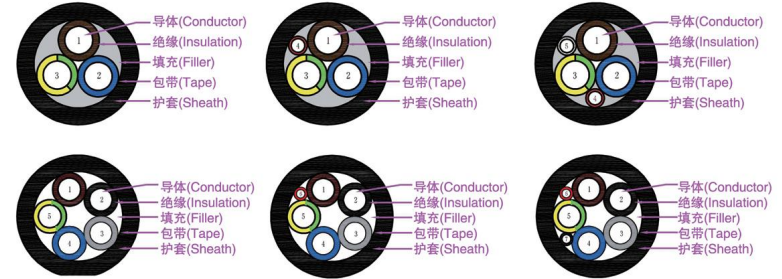
Elongation Variation $< \pm 30\%$

抗挤压Crush resistance: $Sq \leq 4$, crush force $\geq 4KN$; $4 \leq Sq \leq 35$, crush force $\geq 11KN$;

耐酸碱Resistance to Acid and alkali: 168h, Tensile Strength Variation $\leq 30\%$; Elongation $\geq 100\%$

环保要求Environmental Requirements: Compliant with RoHS 2.0 and REACH

产品结构图:



型号 Type	规格 Size	导体绞合 外径 Conductor Stranded OD Ref. mm	导体电阻 Max. Conductor resistance mΩ/m@20°C	参考允载电流 Permissible ampacity @ 20 °C ambient Ref.	无屏蔽 完成外径 Non-shielded Over diameter mm Ref.	包装 M/Reel (Ref.)
EYU	3 × 1.5mm ² +(0-6) × (0.5-1.0)mm ²	1.6	13.3	10A	8.8-9.6	800m/700#
	3 × 2.5mm ² +(0-6) × (0.5-1.0)mm ²	2.1	7.98	16A	10-10.8	800m/700#
	3 × 4.0mm ² +(0-6) × (0.5-1.0)mm ²	2.8	4.95	20A	11.5	500m/700#
	3 × 6.0mm ² +(0-6) × (0.5-1.0)mm ²	3.5	3.30	32A	13.2	400m/800#
	3 × 10.0mm ² +(0-6) × (0.5-1.0)mm ²	4.5	1.91	40A	16.3	500m/950#
	3 × 16mm ² +(0-6) × (0.5-1.0)mm ²	5.7	1.21	63A	19	500m/700#
	5 × 2.5mm ² +(0-6) × (0.5-1.0)mm ²	2.1	7.98	16A	13.5	500m/950#
	5 × 4.0mm ² +(0-6) × (0.5-1.0)mm ²	2.8	4.95	20A	15	400m/950#
	5 × 6.0mm ² +(0-6) × (0.5-1.0)mm ²	3.5	3.30	32A	16.8	300m/950#
	5 × 10.0mm ² +(0-6) × (0.5-1.0)mm ²	4.5	1.91	40A	20	300m/1200#
	5 × 16mm ² +(0-6) × (0.5-1.0)mm ²	5.7	1.21	63A	23.5	800m/700#
	5 × 25mm ² +(0-6) × (0.5-1.0)mm ²	7.2	0.78	80A	29	800m/700#
5 × 35mm ² +(0-6) × (0.5-1.0)mm ²	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 specification, size, structure of above products may be changed due to Technical progress, similar specifications are available according to requirements of customer

奥美格企业标准充电电缆OMG Charging Cable

参考标准Reference Standard: Q/OMG6.2-2015(AC charging cable)
Q/OMG6.3-2015(DC charging cable)

产品描述 Product description:

结构Construction

1. 导体Conductor

材质Material: 裸铜Bare Copper

2. 绝缘Insulation

材质Material: TPE or PVC

颜色Color: 棕 Brown, 蓝Blue, 黄/绿Yellow/Green

3. 填充Filler

材质Material: PP Cord

4. 包带Tape

材质Material: 无纺布Non-woven

5. 护套Sheath

材质Material: TPE、PVC or TPU

颜色Color: 黑色或橙色Black or Orange

电缆特性 Features:

额定温度Rated temperature: -40°C ~ 105°C

额定电压Rated Voltage: AC 300/500V, 450/750V, DC 1000V

绝缘电阻Insulation Resistance: $\geq 36.7M\Omega \cdot km$ at 20°C Comply with Q/OMG6.1-2015

燃烧测试Flame Test: GB/T 18380.12-2008

最小弯曲半径Min: Bending Radius: $\geq 6 \times OD$

耐压Dielectric Voltage: 2.5kVac/15min. No Breakdown

低温冲击Low temperature impact: -40°C, No cracks

热冲击Hot Shock: 150°C/1h No cracks

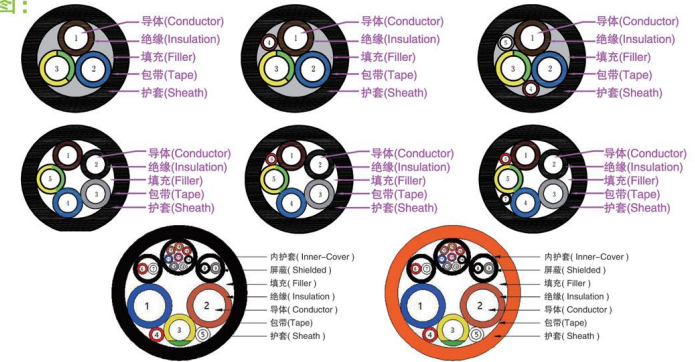
耐油Oil Resistance: IRM902, IRM903, Gasoline 20h OD Variation $\leq 15\%$ No Cracks

耐碾压Vehicle driver over: 5kN, 8Km/h, 220KPa, No Breakdown

耐酸碱Resistance to Acid and alkali: 168h, Tensile Strength Variation $\leq 30\%$; Elongation $\geq 100\%$

环保要求Environmental Requirements: Compliant with RoHS 2.0 and REACH

产品结构图:



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

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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