

OMG'

Just for safe

**Green innovation
Make benefit for people**

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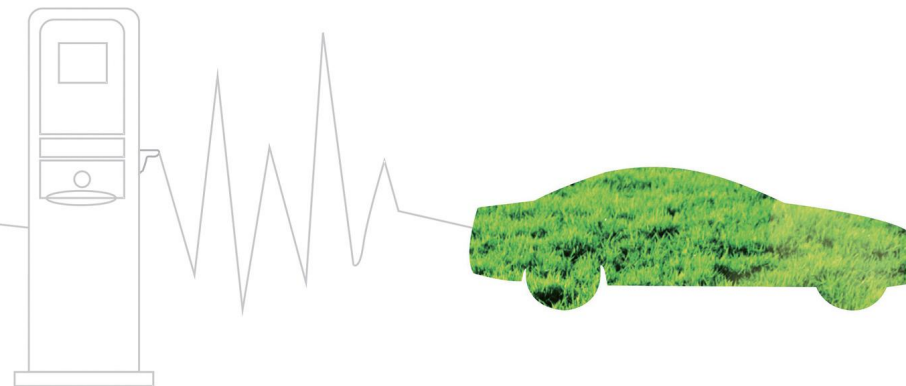
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OMG'

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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 !



Qualification certificate



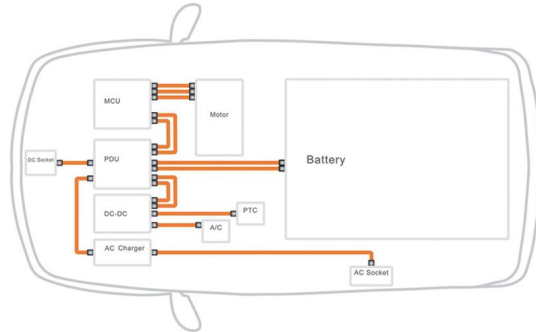
EV High voltage cables

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 have the following characteristics:

The cable is very soft, and the minimum bending radius reaches 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.



1.5KV AC Flexible HV Cables For EV Use (Reference Standard: DB44/T 2100—2018)

Product description:

1. Conductor

Material: Bare Copper

2. Insulation

Material: XLPE

Color: Orange

3. Shielded

Material: Tinned Copper

4. Sheath

Material: XLPE Color: Orange

Features:

1. Rated temperature: $-40^{\circ}\text{C} \sim +(125^{\circ}\text{C}, 150^{\circ}\text{C})$

2. Rated Voltage: AC 1500V

3. Short-term Aging: 240h, Comply with ISO6722

4. Long-term Aging: 3000h, Comply with ISO6722

5. Flame Test: VW-1 Test method Comply with UL 2556

6. Min. Bending Radius: $4^{\circ}\text{OD} @ \text{OD} < 15\text{mm}$; $6^{\circ}\text{OD} @ \text{OD} \geq 15\text{mm}$

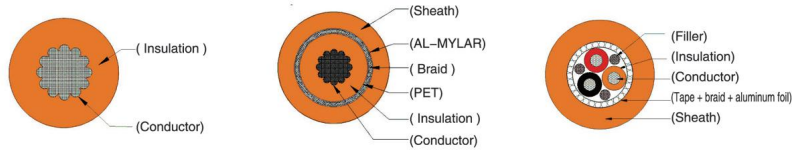
7. Dielectric Voltage: 6kVac/15min. No Breakdown

8. Oil Resistance: IRM902, IRM903, Gasoline for 20h in each, Variation of OD $\leq 15\%$, No Cracks

9. Anti-tear Performance: $\geq 20\text{N/mm}$

10. Environmental Requirements: Compliant with RoHS2.0 and REACH

Product structure diagram :



Single layer unshielded

Product Series	Size	Conductor Stranded OD mm (Ref.)	Max. Conductor resistance mΩ/m@20°C	Permissible ampacity A (Ref.)	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	

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

Single layer shielded

Product Series	Size	Conductor Stranded OD mm (Ref.)	Max. Conductor resistance mΩ/m@20°C	Permissible ampacity A (Ref.)	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	

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

High voltage Cables for road vehicle

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

Product description:

Construction

1. Conductor

Material: Bare Copper

2. Insulation

Material: XLPE

Color: Orange

3. Shielded

Material:Tinned Copper

4. Sheath

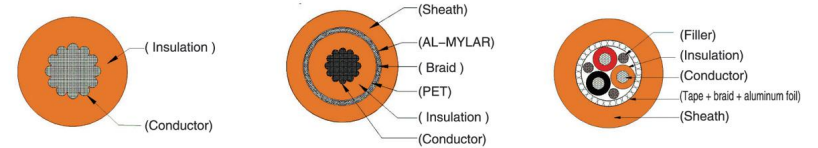
Material: XLPE

Color:Orange

Features:

1. Rated temperature: $-40^{\circ}\text{C} \sim +(125^{\circ}\text{C}, 150^{\circ}\text{C})$
2. Rated Voltage: AC 600V/DC 900V; AC 1000V/DC 1500V
3. Short-term Aging: 240h, Comply with QC/T 1037
4. Long-term Aging: 3000h, Comply with QC/T 1037
5. Flame Test: Comply With QC/T 1037
6. Min: Bending Radius: $4^{\circ}\text{OD} @ \text{OD} < 15\text{mm}$; $6^{\circ}\text{OD} @ \text{OD} \geq 15\text{mm}$
7. Dielectric Voltage: 5kVac/5min. No Breakdown
8. Oil Resistance: Comply With QC/T 1037
9. Anti-tear Performance: $>20\text{N/mm}$
10. Environmental Requirements: Compliant with RoHS2.0 and REACH

Product structure diagram:



AC 600V/DC 900V(Unshielded)

Product Series	Size	Conductor Stranded OD mm (Ref.)	Max. Conductor resistance $\text{m}\Omega/\text{m}@20^{\circ}\text{C}$	Permissible ampacity A (Ref.)	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	

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

AC 600V/DC 900V(Shield)

Product Series	Size	Conductor Stranded OD mm (Ref.)	Max. Conductor resistance mΩ/m@20°C	Permissible ampacity A (Ref.)	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

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

AC 1000V/DC 1500V (Unshielded)

Product Series	Size	Conductor Stranded OD mm (Ref.)	Max. Conductor resistance mΩ/m@20°C	Permissible ampacity A (Ref.)	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

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

AC 1000V/DC 1500V (Shield)

Product Series	Size	Conductor Stranded OD mm (Ref.)	Max. Conductor resistance mΩ/m@20°C	Permissible ampacity A (Ref.)	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

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

AC 600V/DC 900V (Multicore shielding)

Product Series	Cores	Size	Conductor Stranded OD mm (Ref.)	Max. Conductor resistance mΩ/m@20°C	Permissible ampacity A (Ref.)	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				13	10.80
	2	4 mm ²	2.70	4.71	26	10.10
	3				22	10.60
	4				20	12.00
	5				18	13.20
	2	6 mm ²	3.40	3.14	33	11.80
	3				29	12.60
	4				26	13.60
	5				23	14.80

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

High voltage Cables for road vehicle

Reference Standard: ISO 19642–2019–6、 ISO 19642–2019–10

Product description:

1. Conductor

Material: AAL

2. Insulation

Material: XLPE

Color: Orange

3. Shielded

Material:Tinned Copper

4. Sheath

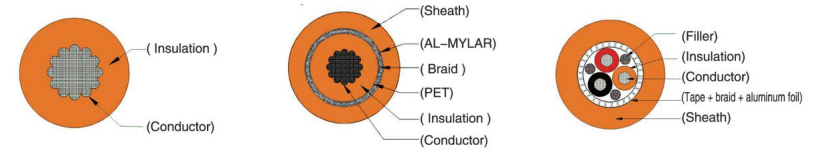
Material: XLPE

Color:Orange

Features:

1. Rated temperature: $-40^{\circ}\text{C} \sim +(125^{\circ}\text{C}, 150^{\circ}\text{C})$
2. Rated Voltage: AC 600V/DC 900V; AC 1000V/DC 1500V
3. Short-term Aging: 240h, Comply with ISO 19642–2019
4. Long-term Aging: 3000h, Comply with ISO 19642–2019
5. Flame Test: Comply With ISO 19642–2019
6. Min: Bending Radius: $6^{\circ}\text{OD} @ \text{OD} < 15\text{mm}$; $8^{\circ}\text{OD} @ \text{OD} \geq 15\text{mm}$
7. Dielectric Voltage: 5kVac/5min. No Breakdown
8. Oil Resistance: Comply With ISO 19642–2019
9. Anti-tear Performance: $>15\text{N/mm}$
10. Environmental Requirements: Compliant with RoHS2.0 and REACH

Product structure diagram:



The specific structure and size of aluminum conductor shall be in accordance with the standard

The recommended substitution table of copper conductor cable and aluminum conductor cable is as follows

Nominal conductor cross-section		Strand		Conductor					
	Only for comparison	Quantity	Diameter	Diameter d1	Twist length	Cross-section		Resistance at +20°C	
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

The Profile of electric vehicle charging cables

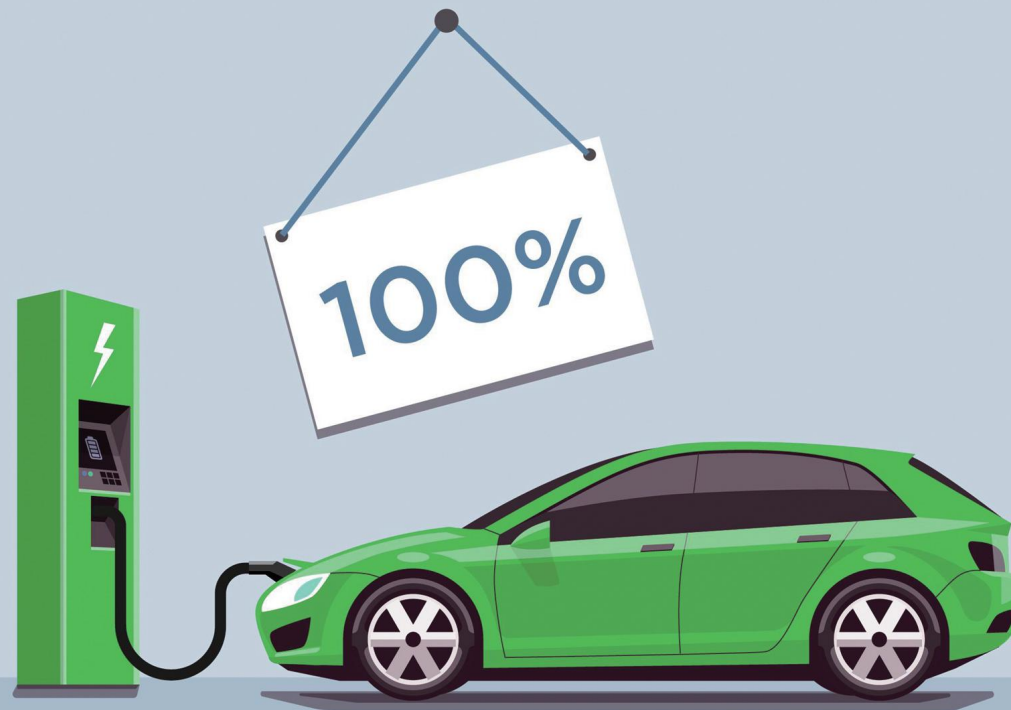
Electric vehicle charging cable is a cable intended to connect the electric vehicle supply equipment to the electric vehicle, there are a certain number of signal wires, control wires and Auxiliary wires in order to ensure the whole charging progress control accurately and operate safely, The charging 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.





UL charging cable

Reference Standard: UL62

UL File No.:E345899

Product description:

Construction

1.Conductor

Material: Bare Copper

2.Insulation

Material: TPE or PVC

Color: Black, red, Green/Yellow (Or other standard recommended colors)

3.Filler

Material: PP hemp or cotton yarn

Tape

Material:Non-woven fabrics

4.Sheath

Material: TPE or PVC

Color: Black or Orange

Features:

Rated temperature: -40°C ~ 105°C

Rated Voltage: 300V; 600V or 1000V

Flame Test: VW-1 Test method Comply with UL 2556

Min: Bending Radius: ≥6"OD

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

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

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

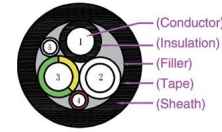
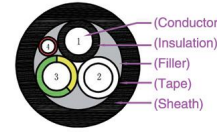
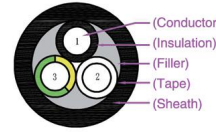
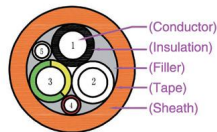
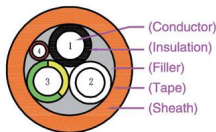
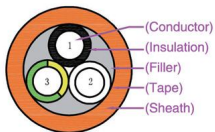
Oil Resistance: IIRM902, 60°C/168h Tensile and Elongation ≥70% Unaged value

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

Weather Resistance: 720hin a xenon arc weatherometer, No cracks

Environmental Requirements: Compliant with RoHS 2.0 and REACH

Product structure diagram:



Type	Size	Conductor Stranded OD mm Ref.	Max. Conductor resistance mΩ/m@20°C	Permissible ampacity @ 20°C ambient Ref.	Over diameter Ref. mm	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#	

The number of signal wires can be 0-6 or more, and the specifications of signal wire conductors can be 16AWG, 18AWG, 20AWG, 22AWG.

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

EN& IEC Standard Charging Cables

Reference Standard: EN 50620:2017、

IEC62893-3: 2017、DEKRA K175

Certificate No.:DEKRA 31-112985、DEKRA 31-111496、

TUV R50436193 0001、TUV R50436194 0001

Product description:

Construction

1.Conductor

Material: Bare Copper

2.Insulation

Material: EVI-2

Color: Brown, Blue, Yellow/Green

3.Filler

Material: PP Cord

4.Tape

Material:Non-woven fabrics

5.Sheath

Material: TPU

Color: Any color

Features:

Rated temperature: -40°C ~ 90°C

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

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

Min: Bending Radius: ≥6*OD

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

Low temperature impact : -40°C, No cracks

Hot Shock: 150°C/1h No cracks

Oil Resistance: IRM902, 100°C*168h Tensile Strength Variation < ± 40%,

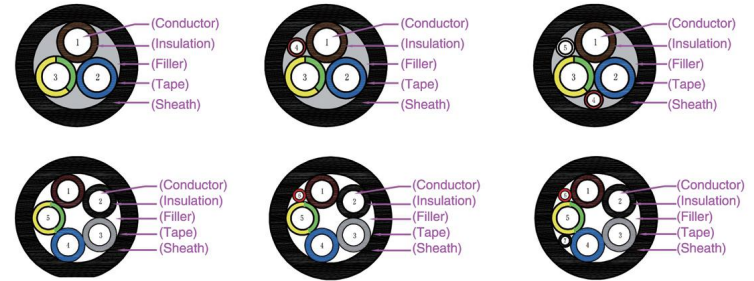
Elongation Variation < ± 30%

Crush resistance: Sq≤4, crush force≥4KN ; 4≤Sq≤35, crush force≥11KN;

Resistance to Acid and alkali: 168h, Tensile Strength Variation ≤30%; Elongation≥100%

Environmental Requirements: Compliant with RoHS 2.0 and REACH

Product structure diagram:



Type	Size	Conductor Stranded OD Ref. mm	Max. Conductor resistance m Ω/m @20°C	Permissible ampacity @20 °C ambient Ref.	Non-shielded Over diameter mm Ref.	Packing M/Reel (Ref.)
H05BZ5-F 62893IEC1 21	3 × 1.5mm ² +(0 - 6) × (0.5 - 1.0)mm ²	1.6	13.3	10A	8.6-9.6	800m/700#
	3 × 2.5mm ² +(0 - 6) × (0.5 - 1.0)mm ²	2.1	7.98	16A	9.8-10.8	800m/700#
H07BZ5-F 62893IEC1 23	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#	

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

AC spring charging cable
(TUV certification, EN50620 and IEC62893)
Certificate Number: R 50436193 0002

Spring cable	Size	Conductor Stranded OD Ref. mm	Max. Conductor resistance mΩ/m@20°C	Permissible ampacity @20°C ambient Ref.	Non-shielded Over diameter mm Ref.	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
	3 × 1.5mm ² +(0 - 6) × (0.5 - 1.0)mm ²	1.6	13.3	10A	10.0	TBD
EVC H05BZ5H8-F Extensible 62893 IEC 121	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

The specific parameters of product should be according to technical drawings.

CQC AC Spring charging cable

Spring cable	Size	Conductor Stranded OD Ref. mm	Max. Conductor resistance mΩ/m@20°C	Permissible ampacity @20°C ambient Ref.	Non-shielded Over diameter mm Ref.	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

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.

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



CQC DC Charging Cable
Reference Standard: GB/ T33594–2017
CQC Certificate No.:V022173

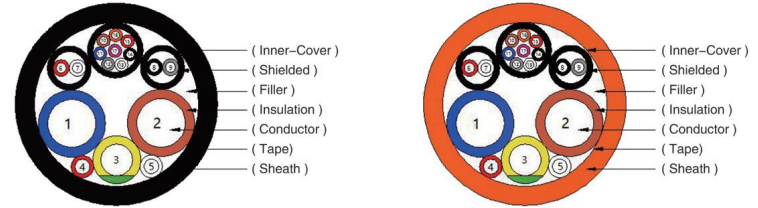
Product description:

- Construction
- 1.Conductor
Material: Bare Copper
- 2.Insulation
Material: TPE
Color: Brown, Blue, Yellow/Green
- 3.Filler
Material: PP Cord
Color: Black
- 4.Tape
Material: Non-woven fabrics
- 5.Sheath
Material: TPE or TPU
Color: Black

Features:

- Rated temperature: -40°C ~ 105°C
- Rated Voltage: DC 1000V
- Insulation Resistance: ≥3670MΩ.km at 20°C Comply with GB/T 33594–2017
- Flame Test: GB/T 18380.12–2008
- Min: Bending Radius: ≥6*OD
- Dielectric Voltage: 8.4kVdc/15min. No Breakdown
- Low temperature impact: -40°C, No cracks
- Hot Shock: 150°C/1h No cracks
- Oil Resistance: IRM902,IRM903,Gasoline 20h OD Variation ≤15% No Cracks
- Crush resistance: 4 ≤Sq ≤35, crush force ≥11KN ; Sq > 35, crush force ≥15KN;
- Resistance to Acid and alkali: 168h, Tensile Strength Variation ≤30%; Elongation ≥100%
- Environmental Requirements: Compliant with RoHS 2.0 and REACH

Product structure diagram:



Type	Spec	Conductor Stranded OD Ref. mm	Max. Conductor resistance mΩ /m@20°C	Permissible ampacity@ 20°C ambient Ref.	TPE Jacket Non-Shielded Over diameter mm Ref. (SS Series)	Packing M/Reel	PU Jacket Non-screen Over diameter mm Ref. (S90U Series)	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-RS90S90P	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-RS90S90S90	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-RS90S90U	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#
	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#
	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#		

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 AC Charging Cable

Reference Standard: GB/T 33594-2017、DEKRA K175-2

CQC Certificate No.:V022173

DEKRA Certificate No.:3167789

Product description:

Construction

1.Conductor

Material: Bare Copper

2.Insulation

Material: TPE

Color: Brown, Blue, Yellow/Green

3.Filler

Material: PP Cord

4.Tape

Material:Non-woven fabrics

5.Sheath

Material: TPE or TPU

Color: Black

Features:

Rated temperature: -40℃ ~ 90℃

Rated Voltage: AC 450/750V

Insulation Resistance: ≥0.037MΩ.km at 60℃ Comply with CQC1103-215

Flame Test: VW-1 Test method Comply with UL 2556

Min: Bending Radius: ≥6*OD

Dielectric Voltage: 2.5kVac/15min. No Breakdown

Low temperature impact: -40℃, No cracks

Hot Shock: 150℃/1h No cracks

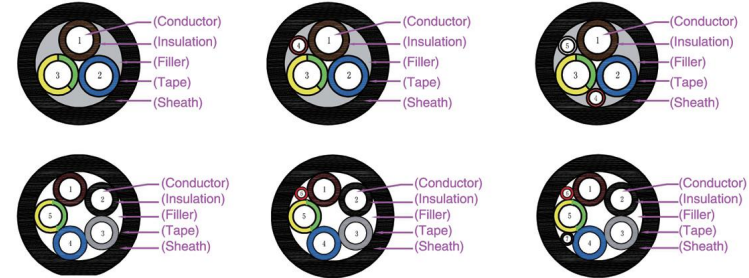
Oil Resistance: IRM902,IRM903,Gasoline 20h OD Variation ≤15% No Cracks

Crush resistance: Sq ≤4, crush force ≥4KN ; 4 ≤Sq ≤35, crush force ≥11KN;

Resistance to Acid and alkali: 168h, Tensile Strength Variation ≤30%; Elongation ≥100%

Environmental Requirements: Compliant with RoHS 2.0 and REACH

Product structure diagram:



Type	Spec	Conductor Stranded OD Ref. mm	Max. Conductor resistance mΩ/m@20℃	Permissible ampacity@20℃ ambient Ref.	TPE Jacket Non-Shielded Over diameter mm Ref. (SS and s90 Series)	Packing M/Reel	PU Jacket Non-screen Over diameter mm Ref. (S90U Series)	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-S90S90PS90	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-RS90S90PS90	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-RS90S90PS90	5 × 6.0mm ² +(0-2) × (0.5-0.75)mm ²	3.5	3.30	34A	20	500m/950#	19	500m/950#
EV-S90U	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-RS90U	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-S90S90U	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 identifies the sixth type of conductor;
 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.

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 AC Charging Cable EYU
 Reference Standard: GB/T 33594-2017 DEKRA K175-2
 CQC Certificate No.:V022173
 DEKRA Certificate No.:3167789

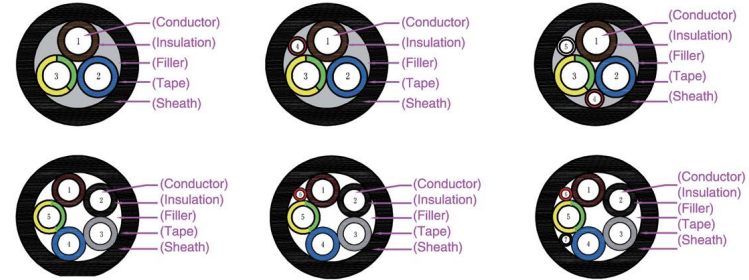
Product description:

- Construction
- 1.Conductor
Material: Bare Copper
- 2.Insulation
Material: XLPO
Color: Brown, Blue, Yellow/Green
- 3.Filler
Material: PP Cord
- 4.Tape
Material: Non-woven fabrics
- 5.Sheath
Material: TPU
Color: Black

Features:

- Rated temperature: -40°C ~ 90°C
- Rated Voltage: AC 300/500V、450/750V; DC 1000V
- Flame Test: Testing method according to EN 60332-1-2
- Min: Bending Radius: ≥6*OD
- Dielectric Voltage: 2.5 kV AC for main core , 2.0 kV AC for CC/CP
- Low temperature impact: -40°C, No cracks
- Hot Shock: 150°C/1h No cracks
- Oil Resistance: IRM902, 100°C*168h Tensile Strength Variation < ± 40%,
Elongation Variation < ± 30%
- Crush resistance: Sq≤4, crush force≥4KN ; 4≤Sq≤35, crush force≥11KN;
- Resistance to Acid and alkali: 168h, Tensile Strength Variation ≤30%; Elongation≥100%
- Environmental Requirements: Compliant with RoHS 2.0 and REACH

Product structure diagram:



Type	Size	Conductor Stranded OD Ref. mm	Max. Conductor resistance m Ω/m@20°C	Permissible ampacity@20 °C ambient Ref.	Non-shielded Over diameter mm Ref.	Packing 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#	

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

OMG Charging Cable

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

Product description:

Construction

1. Conductor

Material: Bare Copper

2. Insulation

Material: TPE or PVC

Color: Brown, Blue, Yellow/Green

3. Filler

Material: PP Cord

4. Tape

Material: Non-woven

5. Sheath

Material: TPE , PVC or TPU

Color: Black or Orange

Features:

Rated temperature: -40°C ~ 105°C

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

Insulation Resistance: ≥36.7M Ω.km at 20°C Comply with Q/OMG6.1-2015

Flame Test: GB/T 18380.12-2008

Min: Bending Radius: ≥6*OD

Dielectric Voltage: 2.5kVac/15min. No Breakdown

Low temperature impact: -40°C, No cracks

Hot Shock : 150°C/1h No cracks

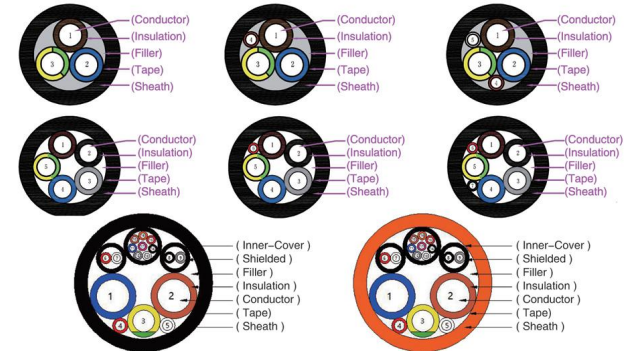
Oil Resistance: IRM902,IRM903,Gasoline 20h OD Variation≤15% No Cracks

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

Resistance to Acid and alkali: 168h, Tensile Strength Variation ≤30%; Elongation ≥100%

Environmental Requirements: Compliant with RoHS 2.0 and REACH

Product structure diagram:



Type	Spec	Conductor Stranded OD Ref. mm	Max. Conductor resistance mΩ/m@20°C	Permissible ampacity@20°C ambient Ref.	Non-Shielded Over diameter Ref.	Packing 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#	
	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#	
	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#	
EVDC-VV/VVVP	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#	
	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#	
EVDC-EU/EEPU	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	400m/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#	
	EV07-YE/YE YEYEPYE	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#
	EV07-VV/VVVP	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#
	EV07-EU/EEPU	5 × 16mm ² +(0-2) × (0.5-0.75)mm ²	5.7	1.21	63A	26.5	300m/950#
5 × 25mm ² +(0-2) × (0.5-0.75)mm ²		7.2	0.78	80A	32	400m/1200#	
5 × 35mm ² +(0-2) × (0.5-0.75)mm ²		8.4	0.554	125A	36.5	300m/1200#	

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