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*Company information*

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## COMPANY INTRODUCTION

Hangzhou Jiayuan is a manufacturing and trading Company located in Hangzhou city China. We specialize in the manufacturing of Copper wire, CCA Wire, Enameled Aluminum and Enameled Copper wire. We supply our products in the domestic market as well as abroad.

Besides our in house manufactured products we also supply Power cables, Robot cables, Elevator cables and electric

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ensure that our clients receive the best products available in

Our moto is to not only supply high quality products but also

provide options and better solutions as per requirements of

our clients. To ensure long term cooperation and business relation.

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Alibaba Store:[hzjytc.en.alibaba.com](http://hzjytc.en.alibaba.com)

Tel:0571-63814088

Email:[Marketing@jayuan.cn](mailto:Marketing@jayuan.cn)

Add:E3A06 No. 68 Huaqiao Road. Jincheng Town, Lin'an  
Hangzhou,Zhejiang,China

# EV Charging Cable

## AC SOCKET

### AC CHARGING SOCKET GB Product application:CHANGING PILE

Model: ·JY-GBAC-Z10S ·JY-GBAC-Z16S ·JY-GBAC-Z16S-3  
 ·JY-GBAC-Z32S ·JY-GBAC-Z32S-3 ·JY-GBAC-Z63S-3

#### Mechanical properties

- Mechanical life:no-load plug>10000times
- Insertion force:≤100N

#### Environmental performance

- Shell material:thermoplastics,flame retardant grade UL94-0
- Contact-tube material:Silver plated

#### Electrical performance

- Operating temperature:30℃ — 50℃

#### Electrical Performance

- The rated current:10A, 16A, 32A, 63A
- The rated voltage:250V/440V
- Insulation resistance:>100DMΩ(DC50V)
- Pins resistance:≤50KΩ
- Wire resistance:≤5mΩMax

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1)Conform to the provisions and requirements of Connection set for conductive charging of electric vehicles>GB/T 20234.2-2015.

2)Have a electromangnetic locking device(can match with hela lock),have functions of signal feedback.

3)Have one or two PTC(PT1000) thermal protection device(can match with hela lock),have fudnions of signal feedback.

4)Beautiful appearance , prevention cap can be intalled on the left side, the right side or the front of it.

5)Relable material, flame retaredant, fressbure proof, wear-realsting, Impact rsistence,high all proof.

6)Excellent proteation performance, prodection grads achienued IP55(working condition).

#### Product Spectflication and Cable Standard

Product Type	Rated Current Voltage	Cable Specifications	Product Type
AG-GBAC-Z10S	10A/250V	H07BZ5-F3×2.5mm <sup>2</sup> +2×0.75mm <sup>2</sup>	The wire length a and of treatment are aooording to the
AG-GBAC-Z16S	16A/250V	H07BZ5-F3×2.5mm <sup>2</sup> +2×0.75mm <sup>2</sup>	
AG-FBAC-Z16S-3	16A/440V	H07BZ5-F5×2.5mm <sup>2</sup> +2×0.75mm <sup>2</sup>	
AG-GBAC-Z32S	32A/250V	H07BZ5-F3×8mm <sup>2</sup> +2×0.75mm <sup>2</sup>	
AG-GBAC-Z32S-3	32A/440V	H07BZ5-F5×8mm <sup>2</sup> +2×0.75mm <sup>2</sup>	
AG-GBAC-Z63S-3	63A/440V	H07BZ5-F5×16mm <sup>2</sup> +2×0.75mm <sup>2</sup>	

# EV Charging Cable

## DC SOCKET

### DC CHARGING SOCKET GB Product application:Electric vehicle

Model: ·JY-GBAC-C80S ·JY-GBAC-C125S ·JY-GBAC-C250S

#### Mechanical properties

- Mechanical life:no-load plug>10000tiMes
- Insertion force:<100N

#### Applied Materials

- Shell material:thenmoplastics,flame retardant grade UL94-0
- Contact - tube:Copper alloy,silver plated

#### Electrical Performance

- Operating temperature:30℃ — 50℃
- The rated current:80A, 125A, 200A, 250A, 32A
- The rated voltage:250V/440V

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1)ConForm to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/T 20234.2-2D15.

2)Have a electromangnetic locking device(can match with hela lock),have functions of signal feedback.

3)Beautiful appearance , prevention cap can be installed on the left side,the right side or the front of it.

4)Reliable material,flame retardant,presure proof,wear-resisting , impact resistance,high oil proof.

5)Excellent protection performance,prodection grade achieved IP55(working condition).

#### Product Spectflication and Cable Standard

Product Type	Rated Current	Cable Specifications	Note
AG-GBDC-C80S	80A	H07BZ5-F2X20MM <sup>2</sup> +1x25mm <sup>2</sup> +2x4mm <sup>2</sup> +8x0.75mm <sup>2</sup>	Wire length and tail end treatment according to customer configuration.
AG-GBDC-C125S	125A	H07BZ5-F2X35MM <sup>2</sup> +1x25mm <sup>2</sup> +2x4mm <sup>2</sup> +8x0.75mm <sup>2</sup>	
AG-GBDC-C2D0G	200A	H07BZ5-F2X70MM <sup>2</sup> +1x25mm <sup>2</sup> +2x4mm <sup>2</sup> +8x0.75mm <sup>2</sup>	
AG-GBDC-C250S	250A	H07BZ5-F2X95MM <sup>2</sup> +1x25mm <sup>2</sup> +2x4mm <sup>2</sup> +8x0.75mm <sup>2</sup>	

# EV Charging Cable

## Charging Mode 2 IEC

### CHARGING MODE 2

**IEC** Product application:Electric vehicle

Model: ·JY-IEC2- 11e-16P-IC-CPD

#### Mechanical properties

- Mechanical life:no-load plug>10000times
- Impact of external force:can afford 1m drop and 2t vehicle run over pressure

#### Environmental performance

- The rated current:16A
- The rated voltage:110V/250V AC
- Insulation resistance:>1000MQ (DC500V)
- Pins temperature
- Withstand voltage
- Life cycle:21,000

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#### Features

1)Conform to the provisions and requirements of IEC 62196-2.
2)Using riveting pressure process with none screw, have a beautiful appearance.Hand-held design conform to the ergonomic principle,plug conveniently.
3)The control box panel adopts display function,the current and voltage,the charging state and the temperature of the circuit board in real time.
4)Excellent protection performance,protection grade of IC-CPD achieved IP66 and achieved IP55 of plug (working condition) High security.
5)Applied double color coating technology,custom color.
6)Switchable currents,Customers can choose an appropriate charging current according to the demand.
7)Containing the intelligent chip, it can automatically repair minor charging problems while charging.

#### Product Specification and Cable Standard

Product Type	Rated Current/voltage	Cable Specifications
JY-IEC2-11e-16p-IC-CPD	16A/250V	H07BZ5-F3×2.5mm <sup>2</sup> +2×0.5mm <sup>2</sup>

# EV Charging Cable

## Charging Mode 2 SAE

### CHARGING MODE 2

**SAE** Product application:Electric vehicle

Model: ·JY-SAEAC-16P-IC-CPD

#### Mechanical properties

- Mechanical life:no-load plug>10000 times
- Impact of external force: can afford 1m drop and 2t vehicle run over pressure.
- Inertion force:<100N

#### Environmental performance

- The rated current:13A、16A
- The rated voltage:110V/220V/250V
- Insulation resistance:>1000MQ(DC500V)
- Pins temperature
- Withstand voltage:2500V
- Contact impedance:0.5mΩ

#### Approved Materials

- Shell material:thermoplastic polyurethane
- Cable grade:194-V

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#### Features

1)Conform to the provisions and requirements of SAE J1772-2012.
2)Using riveting pressure process with none screw with beautiful appearance. Hand-held design conform to ergonomic principle. Plug conveniently.
3)The control box can be adjusted to fixed 10A/13A/16A.
4)XLPO for cable insulation prolonging the aging resistance life-span. TPU sheath improves the bending life and wear resistance of cable.
5)Special internal waterproof protection performance. Protection grade achieved IP55(working condition).
6)Adopted double color coating technology,custom color accepted.

#### Product Specification and Cable Standard

Product Type	Rated Current/voltage	Cable Specifications
JY-SAEAC+16p-IC-CPD	16A/250V	H07BZ5-F3×2.5mm <sup>2</sup> +2×0.5mm <sup>2</sup>

# EV Charging Cable

Charging Mode 2 GB

## CHARGING MODE 2

**GB** Product application:Electric vehicle

MODEL:JY-IC-CPD-13A JY-CPD-16A

### Mechanical properties

- Mechanical life:no-load plug>10000 times
- Impact of external force:can afford 1m drop and 2t vehicle run over pressure.
- Insertion force:<100N

### Environmental performance

- The rated current:13A、16A
- The rated voltage:220V
- Insulation resistance:≥100MΩ
- Withstand voltage:2000V
- Contact resistance:≤0.01Ω

### Environmental performance

- Operating temperature:30℃~75℃
- Storage temperature:-25℃~75℃
- Shell material:ABS, flame retardant, UL94V-0
- Protection grade:IP66
- Voltage protection:over-voltage protection
- Earth leakage protection:residual current monitoring
- Ground protection:continuous monitoring grounding protection
- Lightning protection:lightning surge protection
- Over-temperature protection:break the circuit when temperature is over 85℃ and continuous

### Features

- 1)Conform to the provisions and requirements of GB/T20234.2-2015,GB/T18487.1-2015.
- 2)Using riveting pressure process with none screw with beautiful appearance. Hand-held design conform to ergonomic principle, plug conveniently.
- 3)The control box layout USES the display screen function to display the current voltage, charging status and circuit board temperature in real time.
- 4)Special internal waterproof protection performance, protection grade of IC-CPD achieved IP66and achieved IP55 of plug(working condition).
- 5)Adopted double color coating technology, custom color accepted.

### Product Specification and Cable Standard

Product Type	Rated Current/voltage	Cable Specifications
JY-IC-CPD-13A	13A/220V	3×2.5mm <sup>2</sup> +2×0.75mm <sup>2</sup>
JY-IC-CPD-16A	16A/220V	3×2.5mm <sup>2</sup> +2×0.75mm <sup>2</sup>

# EV Charging Cable

Charging Mode 3 Type2-Type2 Spiral

## CHARGING MODE 3

**IEC** Product application:Electric vehicle

Model:TYPE2-TYPE2-SPIRAL

### Mechanical properties

- Mechanical life:no-load plug>10000times
- Impact of external force:can afford 1m drop and 2t vehicle run over pressure.

### Environmental performance

- The rated current:16A、32A
- The rated voltage:250V/415V
- Insulation resistance:≥100MΩ
- Withstand voltage:2000V
- Contact resistance:≤0.01Ω

### Environmental performance

- Operating temperature:30℃~75℃
- Storage temperature:-25℃~75℃
- Shell material:ABS, flame retardant, UL94V-0
- Protection grade:IP66
- Voltage protection:over-voltage protection
- Earth leakage protection:residual current monitoring
- Ground protection:continuous monitoring grounding protection
- Lightning protection:lightning surge protection
- Over-temperature protection:break the circuit when temperature is over 85℃ and continuous

### Features

- 1)Conform to the provisions and requirements of GB/T 20234.2-2015
- 2)Product assembly meet GB/T 20234.2-2011 Charging Mode connection method B.
- 3)Using riveting pressure process with none screw, have a beautiful appearance. Hand-held design conform to the ergonomic principle plug conveniently.
- 4)Nice appearance, hand design to prevent accidental direct contact with staff.
- 5)Excellent performance, protection grade achieved IP55 of plug(working condition)High security.

### Product Specification and Cable Standard

Product Type	Rated Current/voltage	Cable Specifications
JY-GBAC-CZ16P	16A/250V	3×2.5mm <sup>2</sup> +2×0.75mm <sup>2</sup>
JY-GBAC-CZ32P	32A/250V	3×6mm <sup>2</sup> +2×0.75mm <sup>2</sup>
JY-GBAC-CZ32P	32A/250V	3×6mm <sup>2</sup> +2×0.75mm <sup>2</sup>

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# EV Charging Cable

Charging Mode 3 Type2-Type2 Spiral

## CHARGING MODE 3

IEC Product application : Electric vehicle

Model: TYPE2-TYPE2-SPIRAL

### Mechanical properties

- Mechanical life: no-load plug>10000times
- Impact of external force: can afford 1m drop and 2t vehicle run over pressure.

### Electrical Performance

- The rated current: 16A、32A
- The rated voltage: 250V/415V
- Insulation resistance: >1000MΩ(DC500V)
- Pins temperature: 70℃
- Withstand voltage: 2000V
- Contact impedance: 50mΩMax

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### Used Materials

- Shell Material: thermoplastic, flame retardant grade UL94-V0
- Pin: Copper

### Env

- Working temperature: -30℃~+50℃

1) Conform to the provisions and requirements of 62196-2 IEC 2010 SHEET 2-lie.
1) Conform to the provisions and requirements of 62196-2 IEC 2010 SHEET 2-lie.
3)Adopt no screw riveting pressure process, beautiful appearance. Hand - held design conforms to the principle of ergonomics , convenient plug and pull.
4)Reliable materials, flame retardant, pressure resistance, abrasion resistance, impact resistance, high oil resistance.
5)Excellent protection performance , IP55 protection level of the plug (working state) high security.

### Product Sptfclcation and Cable Standard

Product Type	Pated Current/voltage	Cable Specifications
AG-IEC2-llb/e-16P	16A/250V	H07BZ5-F3×2.5mm <sup>2</sup> +2×0.5mm <sup>2</sup>
AG-IEC2-llb/e-32P	32A/250V	H07BZ5-F3×6mm <sup>2</sup> +2×0.5mm <sup>2</sup>
AG-IEC2-llb/e-16P-3	16A/480V	H07BZ5-F5×2.5mm <sup>2</sup> +2×0.5mm <sup>2</sup>
AG-IEC2-llb/e-32P-3	32A/480V	H07BZ5-F5×6mm <sup>2</sup> +2×0.5mm <sup>2</sup>

# EV Charging Cable

Charging Mode 3 Type2-Type2

## CHARGING MODE 3

IEC Product application:Electric vehicle

Model:TYPE2-TYPE2

### Mechanical properties

- Mechanical life: no-load plug>10000times
- Impact of external force: can afford 1m drop and 2t vehicle run over pressure.

### Electrical Performance

- The rated current: 16A、32A
- The rated voltage: 250V
- Insulation resistance: >1000MΩ(DC500V)
- Pins temperature: 70℃
- Withstand voltage: 2000V
- Contact impedance: 50mΩMax

### Used Materials

- Shell Material: thermoplastic, flame retardant grade UL94-V0
- Pin: Copper

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1)Conform to the provisions and requirements of 62196-2 IEC 2010 SHEET 2-lie
2)Product assembly conforms to IEC 61815-1-1-2010 charging mode 3 connection mode B2.
3)Adopt no screw riveting pressing process, beautiful appearance. Hand - held design in line with ergonomic principles,convenient plug
4)Reliable materials , flame retardant, pressure resistance , abrasion resistance , impact resistance and oil resistance.
5)Excellent protection performance , IP55 protection level of the plug (working state) high security.

### Product Sptfclcation and Cable Standard

Product Type	Pated Current/voltage	Cable Specifications
AG-IEC2-llb/e-16P	16A/250V	H07BZ5-F3X2.5mm <sup>2</sup> +2x0.5mm <sup>2</sup>
AG-IEC2-llb/e-32P	32A/250V	H07BZ5-F3X6mm <sup>2</sup> +2x0.5mm <sup>2</sup>
AG-EC2-llb/e-16P-3	16A/480V	H07BZ5-F5X2.5mm <sup>2</sup> +2x0.5mm <sup>2</sup>
AG-IEC2-llb/e-32P-3	32A/480V	H07BZ5-F5X6mm <sup>2</sup> +2x0.5mm <sup>2</sup>

# EV Charging Cable

Charging Mode 3 Type2-Type1

## CHARGING MODE 3

IEC Product application : Electric vehic

Model: TYPE2-TYPE1

### Mechanical properties

- Mechanical life: no-load plug>10000times
- Impact of external force: can afford 1m drop and 2t vehicle run over pressure.

### Electrical Performance

- The rated current: 16A、32A
- The rated voltage: 250V
- Insulation resistance: >1000MO(DC500V)
- Pins temperature: <60K
- Withstand voltage: 2500V
- Contact impedance: <5mQMax

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### Features

- 1)Conform to the provisions and requirements of 62196-2 IEC 2010 SHEET 2-IIE and SAE J1772 2010.
- 2)Product assembly conforms to IEC 61851-1-1-2010 charging mode 3 connection mode B2.
- 3)Adopt no screw riveting pressing process, beautiful appearance. Hand-held design in line with ergonomic principles , convenient plug.
- 4)Reliable materials , flame retardant, pressure resistance , abrasion resistance , impact resistance and oil resistance.
- 5)Excellent protection performance , IP65 protection level of the plug (working state) high security.

### Product Spectflication and Cable Standard

Product Type	Pated Current/voltage	Cable Specifications
JY-IEC2-IIb/I-16P	16A/250V	H07BZ5-F3X2.5mm <sup>2</sup> +2x0.5mm <sup>2</sup>
JY-IEC2-IIb/I-32P	32A/250V	H07BZ5-F3X6mm <sup>2</sup> +2x0.5mm <sup>2</sup>

# EV Charging Cable

Charging Mode 3 Type2-Type2

## CHARGING MODE 3

IEC Product application:Electric vehicle

Model:TYPE2-TYPE2

### Mechanical properties

- Mechanical life: no-load plug>10000times
- Impact of external force: can afford 1m drop and 2t vehicle run over pressure.

### Electrical Performance

- The rated current: 16A、32A
- The rated voltage: 250V
- Insulation resistance: >1000MO(DC500V)

### Applied Material

- Shell Material: thermoplastics,flame retardant grade UL94-V0
- Pin: Copper alloy,silver+top of thermoplastic

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### Features

- 1)Conform to the provisions and requirements of 62196-2 IEC 2010 SHEET 2-IIE
- 2)Product assembly conforms to IEC 61851-1-1-2010 charging mode 3 connection mode B2.
- 3)Adopt no screw riveting pressing process, beautiful appearance. Hand-held design in line with ergonomic principles,convenient plug.
- 4)Reliable materials , flame retardant, pressure resistance , abrasion resistance , impact resistance and oil resistance.
- 5)Excellent protection performance , IP55 protection level of the plug (working state) high security.

### Product Spectflication and Cable Standard

Product Type	Pated Current/voltage	Cable Specifications
JY-IC-CPD-13A	13A/220V	3×2.5mm <sup>2</sup> +2×0.75mm <sup>2</sup>
JY-IC-CPD-16A	16A/220V	3×2.5mm <sup>2</sup> +2×0.75mm <sup>2</sup>