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CUSTOM CABLE  
EV CHARGING SOLUTIONS  
**AG ELECTRICAL**



**ELECTRICAL**

*Hold the Future*



**HOLD THE FUTURE  
NO COMPROMISE ON QUALITY**





## Meet AG ELECTRICAL

**AG ELECTRICAL** is a wholly owned subsidiary of **ONITL CABLE TECHNOLOGY**. Founded in 2015, **AG ELECTRICAL** has a research and development team of 50 people, focusing on Electric Vehicle Charging Interface, Engineering Design, and Supply Chain Integration. Chief Engineer of **AG ELECTRICAL** has dedicated to the Electric Vehicle Industry for ten years, and that is the reason why we have built strong confidence on our Quality.

**AG ELECTRICAL** handles independent R&D, Cable Production, Products Assembling. Our products are recognized by users all around the world.

The Vision of **AG ELECTRICAL** is to serve in the global EV industry through utilizing the most advanced technologies, scientifically analyzing our products performance, and by working with the pioneers, innovators, and key point leaders (KOLs) in the EV communities.

Our mission is to grow and develop our network via providing the highest quality EV components and services, that ultimately enhance people's lives through science and technology.

We deliver by fostering a work environment that values and rewards integrity, respect, and performance while contributing positively to the communities that we serve.



## Manufacture Facility



# AC CHARGING PLUG

Model: ■ AG-GBAC-C32P-3 ■ AG-GBAC-C63P-3

**GB** Product application : Electric vehicle



### Mechanical properties

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

### Applied Materials

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

#### Rubber Color



#### Shell Color



#### Cable Color

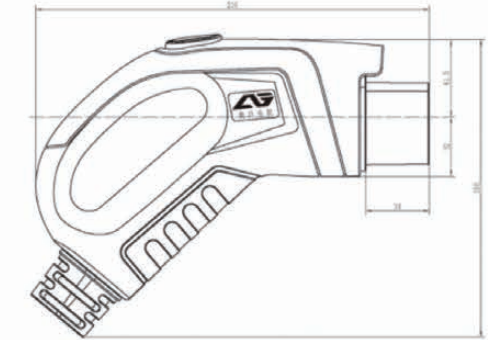
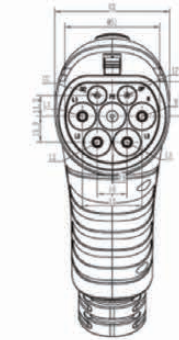


### Environmental performance

- Operating temperature:-30℃~+50℃

### Electrical Performance

- The rated current: 32A、63A
- Operating voltage: 440V
- Insulation resistance: >1000MΩ(DC500V)
- Pins temperature rise: <50K
- Withstand voltage: 2500V
- Contact impedance: 0.5mΩMax



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### Features

- 1) Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/ T 20234.2-2015.
- 2) Have one or two PTC (PT1000) thermistor (can match with NTC or Temperature control switch) .
- 3) The head of pins using safety insulation design to prevent direct contact with the hand .
- 4) Excellent protection performance,protection grade achieved IP55( working condition).
- 5) Applied double color coating technology ,personalized custom a variety of colors .
- 6) Reliable material , flame-retardant , pressure proof ,wear-resisting, impact resistance, advanced oil proof.

### Product Specification and Cable Standard

Product Type	Rated Current/ Voltage	Cable Specifications
AG-GBAC-C32P-3	32A/440V	5x6+4x0.75(P2)
AG-GBAC-C63P-3	63A/440V	5x16+4x0.75(P2)

# AC CHARGING PLUG

Model: ■ AG-GBAC-Z32P-3 ■ AG-GBAC-Z63P-3

GB Product application : Charging pile

# AC CHARGING PLUG

Model: ■ AG-GBAC-C10P ■ AG-GBAC-C16P ■ AG-GBAC-C16P-3 ■ AG-GBAC-C32P

GB Product application : Electric vehicle

## Mechanical properties

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

## Applied Materials

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

### Rubber Color



### Shell Color



### Cable Color

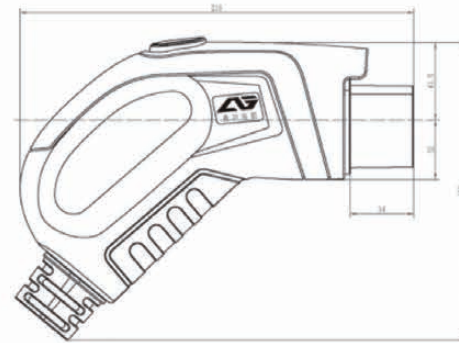
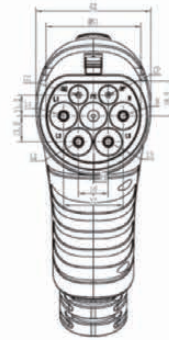


## Environmental performance

- Operating temperature: -30℃~+50℃

## Electrical Performance

- The rated current: 32A、63A
- The rated voltage: 440V
- Insulation resistance: >1000MΩ(DC500V)
- Pins temperature rise: <50K
- Withstand voltage: 2500V
- Contact impedance: 0.5mΩMax



## Features

- 1) Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/ T 20234.2-2015.
- 2) Have one or two PTC (PT1000) thermistor (can match with NTC or Temperature control switch) .
- 3) The head of pins using safety insulation design to prevent direct contact with the hand .
- 4) Excellent protection performance,protection grade achieved IP55( working condition).
- 5) Applied double color coating technology ,personalized custom a variety of colors .
- 6) Reliable material , flame - retardant , pressure proof ,wear - resisting , impact resistance , advanced oil proof.

## Product Specification and Cable Standard

Product Type	Rated Current/ Voltage	Cable Specifications
AG-GBAC-Z32P-3	32A/440V	F5x6+4x0.75(P2)
AG-GBAC-Z63P-3	63A/440V	F5x16+4x0.75(P2)

## Mechanical properties

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

## Applied Materials

- Shell material: thermoplastics, flame retardant grade UL94-V0
- Pin: Copper alloy, silver plate and use thermoplastic at the top

### Rubber Color



### Shell Color



### Cable Color



## Environmental performance

- Operating temperature: -30℃~+50℃

## Electrical Performance

- The rated current: 10A、16A、32A
- The rated voltage: 250V/440V
- Insulation resistance: >1000MΩ(DC500V)
- Pins temperature rise: <50K
- Withstand voltage: 2500V
- Contact impedance: 0.5mΩMax



## Features

- 1) Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/ T 20234.2-2015.
- 2) Using riveting pressure process with none screw , have a beautiful appearance .Hand - held design conform to the ergonomic principle, easy plug.
- 3) The head of pins using safety insulation design to prevent direct contact with the hand .
- 4) Excellent protection performance,protection grade achieved IP55( working condition).
- 5) Applied double color coating technology, customize color.

## Product Specification and Cable Standard

Product Type	Rated Current/ Voltage	Cable Specifications
AG-GBAC-C10P	10A/250V	3X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>
AG-GBAC-C16P	16A/250V	3X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>
AG-GBAC-C16P-3	16A/440V	5X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>
AG-GBAC-C32P	32A/250V	3X6mm <sup>2</sup> +2x0.75mm <sup>2</sup>

# AC CHARGING PLUG

Model: ■ AG-GBAC-Z10P ■ AG-GBAC-Z16P ■ AG-GBAC-Z16P-3 ■ AG-GBAC-Z32P

**GB** Product application : Charging pile

# AC CHARGING PLUG

Model: ■ AG-GBAC-C10P ■ AG-GBAC-C16P ■ AG-GBAC-C16P-3 ■ AG-GBAC-C32P

**GB** Product application : Electric vehicle

## Mechanical properties

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

## Applied Materials

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

### Rubber Color



### Shell Color



### Cable Color



## Environmental performance

- Operating temperature: -30℃~+50℃

## Electrical Performance

- The rated current: 10A、16A、32A、63A
- The rated voltage: 250V/440V
- Insulation resistance: >1000MΩ(DC500V)
- Pins temperature rise: < 50K
- Withstand voltage: 2500V
- Contact impedance: 0.5mΩMax

## Features

- 1) Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/ T 20234.2-2015.
- 2) Using riveting pressure process with none screw and beautiful appearance .Hand - held design conform to the ergonomic principle, easy plug.
- 3) The head of pins using safety insulation design to prevent direct contact with the hand .
- 4) Excellent protection performance, protection grade achieved IP55( working condition).
- 5) Applied double color coating technology with customization color.

## Product Specification and Cable Standard

Product Type	Rated Current/ Voltage	Cable Specifications
AG-GBAC-Z10P	10A/250V	3X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>
AG-GBAC-Z16P	16A/250V	3X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>
AG-GBAC-Z16P-3	16A/440V	5X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>
AG-GBAC-Z32P	32A/250V	3X6mm <sup>2</sup> +2x0.75mm <sup>2</sup>

## Mechanical properties

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

## Applied Materials

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

### Rubber Color



### Shell Color



### Cable Color



## Environmental performance

- Operating temperature: -30℃~+50℃

## Electrical Performance

- The rated current: 10A、16A、32A、63A
- The rated voltage: 250V/440V
- Insulation resistance: >1000MΩ(DC500V)
- Pins temperature rise: <50K
- Withstand voltage: 2500V
- Contact impedance: 0.5mΩMax

## Features

- 1) Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/ T 20234.2-2015.
- 2) Using riveting pressure process with none screw , have a beautiful appearance .Hand - held design conform to the ergonomic principle , plug conveniently.
- 3) The head of pins using safety insulation design to prevent direct contact with the hand .
- 4) Excellent protection performance,protection grade achieved IP55( working condition).
- 5) Applied double color coating technology ,personalized custom a variety of colors .

## Product Specification and Cable Standard

Product Type	Rated Current/ Voltage	Cable Specifications
AG-GBAC-C10P	10A/250V	3X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>
AG-GBAC-C16P	16A/250V	3X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>
AG-GBAC-C16P-3	16A/440V	5X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>
AG-GBAC-C32P	32A/250V	3X6mm <sup>2</sup> +2x0.75mm <sup>2</sup>

# AC CHARGING PLUG

Model: ■ AG-GBAC-Z10P ■ AG-GBAC-Z16P ■ AG-GBAC-Z16P-3 ■ AG-GBAC-Z32P

**GB** Product application : Charging pile

## Mechanical properties

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

## Applied Materials

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

### Rubber Color



### Shell Color



### Cable Color



## Environmental performance

- Operating temperature: -30℃~+50℃

## Electrical Performance

- The rated current: 10A、 16A、 32A
- The rated voltage: 250V/440V
- Insulation resistance: >1000MΩ(DC500V)
- Pins temperature rise: <50K
- Withstand voltage: 2500V
- Contact impedance: 0.5mΩMax



## Features

- 1) Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/ T 20234.2-2015.
- 2) Using riveting pressure process with none screw , have a beautiful appearance. Hand-held design conform to the ergonomic principle, easy plug.
- 3) The head of pins using safety insulation design to prevent direct contact with the hand .
- 4) Excellent protection performance,protection grade achieved IP55( working condition).
- 5) Applied double color coating technology ,personalized custom a variety of colors.

## Product Specification and Cable Standard

Product Type	Rated Current/ Voltage	Cable Specifications
AG-GBAC-Z10P	10A/250V	3X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>
AG-GBAC-Z16P	16A/250V	3X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>
AG-GBAC-Z16P-3	16A/440V	5X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>
AG-GBAC-Z32P	32A/250V	3X6mm <sup>2</sup> +2x0.75mm <sup>2</sup>

# AC CHARGING SOCKET

Model: ■ AG-GBAC-C10S ■ AG-GBAC-C16S ■ AG-GBAC-C16S-3

■ AG-GBAC-C32S ■ AG-GBAC-C32S-3 ■ AG-GBAC-C63S-3

**GB** Product application : Electric vehicle

## Mechanical properties

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

## Applied Materials

- Shell material: thermoplastics, flame retardant grade UL94-V0
- Contact - tube: Copper alloy, silver-plated

## Environmental performance

- Operating temperature: -30℃~+50℃

## Electrical Performance

- The rated current: 10A、 16A、 32A、 63A
- The rated voltage: 250V/440V
- Insulation resistance: >1000MΩ(DC500V)
- Pins temperature rise: <50K
- Withstand voltage: 2500V
- Contact impedance: 0.5mΩMax



## Features

- 1) Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/ T 20234.2-2015.
- 2) Have a electromagnetic locking device (can match with hela lock) ,have functions of signal feedback.
- 3) Have one or two PTC (PT1000) thermistor (can match with hela lock) ,have functions of signal feedback.
- 4) Beautiful appearance , prevention cap can be installed on the left side, the right side or the front of it.
- 5) Reliable material ,flame retardant, pressure proof , wear - resisting , impact resistance, high oil proof .
- 6) Excellent protection performance, protection grade achieved IP55( working condition).

## Product Specification and Cable Standard

Product Type	Rated Current/ Voltage	Cable Specifications	Note
AG-GBAC-C10S	10A/250V	H07BZ5-F3X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>	The wire length a end of treatment are according to the customer requirement.
AG-GBAC-C16S	16A/250V	H07BZ5-F3X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>	
AG-GBAC-C16S-3	16A/440V	H07BZ5-F5X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>	
AG-GBAC-C32S	32A/250V	H07BZ5-F3X6mm <sup>2</sup> +2x0.75mm <sup>2</sup>	
AG-GBAC-C32S-3	32A/440V	H07BZ5-F5X6mm <sup>2</sup> +2x0.75mm <sup>2</sup>	
AG-GBAC-C63S-3	63A/440V	H07BZ5-F5X16mm <sup>2</sup> +2x0.75mm <sup>2</sup>	

# AC CHARGING SOCKET

Model: ■ AG-GBAC-Z10S ■ AG-GBAC-Z16S ■ AG-GBAC-Z16S-3  
■ AG-GBAC-Z32S ■ AG-GBAC-Z32S-3 ■ AG-GBAC-Z63S-3

**GB** Product application : Charging pile

## Mechanical properties

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

## Applied Materials

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

## Environmental performance

- Operating temperature: -30℃~+50℃

## Electrical Performance

- The rated current: 10A、16A、32A、63A
- The rated voltage: 250V/440V
- Insulation resistance: > 1000MΩ(DC500V)
- Pins temperature rise: <50K
- Withstand voltage: 2500V
- Contact impedance: 0.5mΩMax



## Features

- 1) Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/ T 20234.2-2015.
- 2) Have a electromagnetic locking device (can match with hela lock) ,have functions of signal feedback.
- 3) Have one or two PTC (PT1000) thermistor (can match with hela lock) ,have functions of signal feedback.
- 4) Beautiful appearance , prevention cap can be installed on the left side, the right side or the front of it.
- 5) Reliable material ,flame retardant, presssure proof , wear - resisting , impact resistance, high oil proof .
- 6) Excellent protection performance, prodection grade achieved IP55 ( working condition).

## Product Specification and Cable Standard

Product Type	Rated Current/ Voltage	Cable Specifications	Note
AG-GBAC-Z10S	10A/250V	H07BZ5-F3X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>	The wire length a end of treatment are according to the customer requirement.
AG-GBAC-Z16S	16A/250V	H07BZ5-F3X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>	
AG-GBAC-Z16S-3	16A/440V	H07BZ5-F5X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>	
AG-GBAC-Z32S	32A/250V	H07BZ5-F3X6mm <sup>2</sup> +2x0.75mm <sup>2</sup>	
AG-GBAC-Z32S-3	32A/440V	H07BZ5-F5X6mm <sup>2</sup> +2x0.75mm <sup>2</sup>	
AG-GBAC-Z63S-3	63A/440V	H07BZ5-F5X16mm <sup>2</sup> +2x0.75mm <sup>2</sup>	

# DC CHARGING PLUG

Model: ■ AG-GBDC-C80P ■ AG-GBDC-C125P ■ AG-GBDC-C200P ■ AG-GBDC-C250P

**GB** Product application : Electric vehicle

## Mechanical properties

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

## Applied Materials

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

## Environmental performance

- Operating temperature: -30℃~+50℃

## Electrical Performance

- The rated current: 80A、125A、200A、250A
- The rated voltage: 750V/1000V
- Insulation resistance: >2000MΩ(DC1000V)
- Pins temperature rise: <50K
- Withstand voltage: 4500V(DC+/DC-/PE)
- Contact impedance: 0.5mΩMax

## Rubber Color



## Shell Color



## Cable Color



## Features

- 1) Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/ T 20234.2-2015.
- 2) Have a electromagnetic locking device , have functions of signal feedback .
- 3) Have one or two PTC (PT1000) thermistor (can match with NTC or Temperature control switch) .
- 4) The head of pins using safety insulation design to prevent direct contact with the hand
- 5) Excellent protection performance,prodection grade achieved IP55( working condition).
- 6) Applied double color coating technology ,personalized custom a variety of colors .

## Product Specification and Cable Standard

Product Type	Rated Current	Cable Specifications
AG-GBDC-C80P	80A	2x20+1x25+2x4+2x(2x0.75)(P2)+8x0.75
AG-GBDC-C125P	125A	2x35+1x25+2x4+2x(2x0.75)(P2)+8x0.75
AG-GBDC-C200P	200A	2x70+1x25+2x4+2x(2x0.75)(P2)+8x0.75
AG-GBDC-C250P	250A	2x80+1x25+2x4+2x(2x0.75)(P2)+8x0.75



# DC CHARGING PLUG

Model: ■ AG-GBDC-C80P (32A/40A)

**GB** Product application : Electric vehicle

# DC CHARGING SOCKET

Model: ■ AG-GBDC-C80S ■ AG-GBDC-C125S ■ AG-GBDC-C200S-3 ■ AG-GBDC-C250S

**GB** Product application : Electric vehicle

### Mechanical properties

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

### Applied Materials

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

### Environmental performance

- Operating temperature: -30℃~+50℃

### Electrical Performance

- The rated current: 32A、 40A
- The rated voltage: 750V
- Insulation resistance: >2000MΩ(DC1000V)
- Pins temperature rise: <50K
- Withstand voltage: 4500V (DC+/DC-/PE)
- Contact impedance: 0.5mΩMax



### Features

- 1) Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/ T 20234.3-2015.
- 2) Have a electromagnetic locking device , have functions of signal feedback .
- 3) Have one or two PTC (PT1000) thermistor (can match with NTC or Temperature control switch) .
- 4) The head of pins using safety insulation design to prevent direct contact with the hand .
- 5) Excellent protection performance,protection grade achieved IP55 ( working condition).
- 6) Developed for portable DC charging pile ,beautiful appearance with hand - held design andsmall in volume make installation easily, insertion and withdrawal conveniently .

### Product Specification and Cable Standard

Product Type	Rated Current	Cable Specifications
AG-GBDC-C32P	32A	3x6+2x4+4x0.75(P2)+6x0.75
AG-GBDC-C40P	40A	3x10+2x4+4x0.75(P2)+6x0.75

### Mechanical properties

- Mechanical life: no-load plug>10000times
- Insertion force: <140N

### Applied Materials

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

### Environmental performance

- Operating temperature: -30℃~+50℃

### Electrical Performance

- The rated current:80A、 125A、 200A、 250A
- The rated voltage: 750V/1000V
- Insulation resistance: >2000MΩ(DC1000V)
- Pins temperature rise: <50K
- Withstand voltage: 4500V (DC+/DC-/PE)
- Contact impedance: 0.5mΩMax



### Features

- 1) Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/ T 20234.3-2015.
- 2) Have one or two PTC (PT1000) thermistor (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, pressure proof , wear - resisting , impact resistance, high oil proof .
- 5) Excellent protection performance, protection grade achieved IP55 ( working condition).

### Product Specification 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-C200S	200A	H07BZ5-F2X70mm <sup>2</sup> +1x25mm <sup>2</sup> +2x4mm <sup>2</sup> +8x0.75mm <sup>2</sup>	
AG-GBDC-C250S	250A	H07BZ5-F2X80mm <sup>2</sup> +1x25mm <sup>2</sup> +2x4mm <sup>2</sup> +8x0.75mm <sup>2</sup>	

# AC CHARGING PLUG

Model: ■ AG-IEC 2-IIe-16P ■ AG-IEC 2-IIe-16P-3 ■ AG-IEC 2-IIe-20P ■ AG-IEC 2-IIe-32P

IEC Product application : Electric vehicle

## Mechanical properties

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

## Applied Materials

- Shell material: thermoplastic, flame retardant grade UL94-V0
- Contact- tube: Copper alloy, silver-plated

### Rubber Color



### Shell Color



### Cable Color



## Environmental performance

- Operating temperature: -30°C~+50°C

## Electrical Performance

- The rated current: 16A、20A、32A
- The rated voltage: 250V/480V
- Insulation resistance: >1000MΩ (DC500V)
- Pins temperature rise: <50K
- Withstand voltage: 2500V
- Contact impedance: 0.5mΩMax



## Features

- 1) Conform to the provisions and requirements of IEC 62196-2-2016 2-IIe.
- 2) Using riveting pressure process with none screw , have a beautiful appearance .Hand - held design conform to the ergonomic principle , plug conveniently.
- 3) XLPO for cable insulation prolonging the aging resistance life - span , TPU shenth improved the bending life and wear resistance of cable.
- 4) Excellent protection performance,prodection grade achieved IP55( working condition).
- 5) Applied double color coating technology ,personalized custom a variety of colors.

## Product Specification and Cable Standard

Product Type	Rated Current/ Voltage	Cable Specifications
AG-IEC 2-IIe-16P	16A/250V	H07BZ5-F3X2.5mm <sup>2</sup> +2x0.5mm <sup>2</sup>
AG-IEC 2-IIe-16P-3	16A/480V	H07BZ5-F5X2.5mm <sup>2</sup> +2x0.5mm <sup>2</sup>
AG-IEC 2-IIe-32P	32A/250V	H07BZ5-F3X6mm <sup>2</sup> +2x0.5mm <sup>2</sup>
AG-IEC 2-IIe-32P-3	32A/480V	H07BZ5-F5X6mm <sup>2</sup> +2x0.5mm <sup>2</sup>

# AC CHARGING PLUG

Model: ■ AG-IEC 2-IIb-16P ■ AG-IEC 2-IIb-16P-3 ■ AG-IEC 2-IIb-20P ■ AG-IEC 2-IIb-32P

IEC Product application : Charging Pile

## Mechanical properties

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

## Applied Materials

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

### Rubber Color



### Shell Color



### Cable Color



## Environmental performance

- Operating temperature: -30°C~+50°C

## Electrical Performance

- The rated current: 16A、20A、32A
- The rated voltage: 250V/480V
- Insulation resistance: >1000MΩ(DC500V)
- Pins temperature rise: <50K
- Withstand voltage: 2500V
- Contact impedance: 0.5mΩMax



## Features

- 1) Conform to the provisions and requirements of IEC 62196-2-2016 2-IIb.
- 2) Using riveting pressure process with none screw , have a beautiful appearance .Hand - held design conform to the ergonomic principle , plug conveniently.
- 3) XLPO for cable insulation prolonging the aging resistance life - span , TPU shenth improved the bending life and wear resistance of cable.
- 4) Excellent protection performance,prodection grade achieved IP55( working condition).
- 5) Applied double color coating technology ,personalized custom a variety of colors .

## Product Specification and Cable Standard

Product Type	Rated Current/ Voltage	Cable Specifications
AG-IEC 2-IIb-16P	16A/250V	H07BZ5-F3X2.5mm <sup>2</sup> +2x0.5mm <sup>2</sup>
AG-IEC 2-IIb-16P-3	16A/480V	H07BZ5-F5X2.5mm <sup>2</sup> +2x0.5mm <sup>2</sup>
AG-IEC 2-IIb-32P	32A/250V	H07BZ5-F3X6mm <sup>2</sup> +2x0.5mm <sup>2</sup>
AG-IEC 2-IIb-32P-3	32A/480V	H07BZ5-F5X6mm <sup>2</sup> +2x0.5mm <sup>2</sup>

# AC CHARGING SOCKET

Model: ■ AG-IEC2-IIa-16S ■ AG-IEC2-IIa-32S ■ AG-IEC2-IIa-16S-3 ■ AG-IEC2-IIa-32S-3

IEC Product application : Charging pile

## Mechanical properties

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

## Applied Materials

- Shell material: thermoplastics, flame retardant grade UL94V-0
- Contact-tube: Copper alloy, silver plated
- Seal: Rubber, Silicone

## Environmental performance

- Operating temperature: -30℃~+50℃
- Waterproof rate: IP55

## Electrical Performance

- The rated current: 16A、32A、40A
- The rated voltage: 250V/440V
- Insulation resistance: >1000MΩ (DC500V)
- Pins temperature rise: <50K
- Withstand voltage: 2000V
- Contact impedance: 0.5mΩMax



## Features

- 1) Conform to the provisions and requirements of IEC62196-2 2016.
- 2) Match with Hela locking device.
- 3) Have one or two PTC(PT1000) thermistor (can match with NTC or Temperature control switch).
- 4) Beautiful appearance, prevention cap can be installed on the left side, the right side or the front of it.
- 5) Reliable material, flame retardant, pressure proof, wear-resisting, impact resistance, high oil proof.
- 6) Excellent protection performance, protection grade achieved IP55 (working condition).

## Product Specification and Cable Standard

Product Type	Rated Current/ Voltage	Cable Specifications	Colour
AG-IEC2-IIa-16S	16A/250V	3X2.5mm <sup>2</sup> +2x0.5m <sup>2</sup>	The wire length a end of treatment are according to the customer requirement.
AG-IEC2-IIa-32S	32A/250V	3X6mm <sup>2</sup> +2x0.5m <sup>2</sup>	
AG-IEC2-IIa-16S-3	16A/480V	5X2.5mm <sup>2</sup> +2x0.5m <sup>2</sup>	
AG-IEC2-IIa-32S-3	32A/480V	5X6mm <sup>2</sup> +2x0.5m <sup>2</sup>	

# AC CHARGING PLUG

Model: ■ AG-SAEAC-I-16P ■ AG-SAEAC-I-20P ■ AG-SAEAC-I-32P

SAE Product application : Electric vehicle

## Mechanical properties

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

## Applied Materials

- Shell material: thermoplastic, flame retardant grade UL94-V0
- Contact-tube: Copper alloy, silver plated

## Environmental performance

- Operating temperature: -30℃~+50℃
- Waterproof rate: IP55

## Electrical Performance

- The rated current: 16A、20A、32A
- The rated voltage: 120V/250V
- Insulation resistance: >1000MΩ (DC500V)
- Pins temperature rise: <50K
- Withstand voltage: 2500V
- Contact impedance: 0.5mΩMax



## Features

- 1) Conform to the provisions and requirements of SAE J1772-2012, IEC 621962-2016 2-I.
- 2) Using riveting pressure process with none screw, have a beautiful appearance. Hand-held design conform to the ergonomic principle, plug conveniently.
- 3) XLPO for cable insulation prolonging the aging resistance life - span, TPU sheath improved the bending life and wear resistance of cable.
- 4) Excellent protection performance, protection grade achieved IP55 (working condition).
- 5) Applied double color coating technology, personalized custom a variety of colors.

## Product Specification and Cable Standard

Product Type	Rated Current/ Voltage	Cable Specifications
AG-SAEAC-I-16P	16A/120V	H07BZ5-F3X2.5mm <sup>2</sup> +2x0.5mm <sup>2</sup>
AG-SAEAC-I-16P	16A/250V	H07BZ5-F3X2.5mm <sup>2</sup> +2x0.5mm <sup>2</sup>
AG-SAEAC-I-20P	20A/250V	H07BZ5-F3X2.5mm <sup>2</sup> +2x0.5mm <sup>2</sup>
AG-SAEAC-I-32P	32A/250V	H07BZ5-F3X6mm <sup>2</sup> +2x0.5mm <sup>2</sup>

# CHARGING MODE 2

Model: ■ AG-IEC2-Ile-16P-IC-CPD

**IEC** Product application : Electric vehicle

### 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
- The rated voltage: 110V/250V AC
- Insulation resistance: >1000MΩ(DC500V)
- Pins temperature rise: <50K
- Withstand voltage: 2500V
- Duty cycle: 21.67%

#### Rubber Color



#### Shell Color



#### Cable Color



### Environmental performance

- Operating temperature: -30℃~+50℃

### Applied Materials

- Shell Material: thermoplastics , flame retardant grade UL94-V0

### The Function of IC-CPD

- Over-voltage , under-voltage protection
- Over-current protection
- Earth leakage protection
- Ground protection: continuous monitoring grounding protection
- Over-temperature protection: break the circuit when the temperature is over 85℃ with continuous 3S

### 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
AG-IEC2-Ile-16p-IC-CPD	16A/250V	H07BZ5-F3X2.5mm <sup>2</sup> +2x0.5mm <sup>2</sup>

# CHARGING MODE 2

Model: ■ AG-IC-CPD-13A ■ AG-IC-CPD-16A

**GB** Product application : Electric vehicle

### Mechanical properties

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

### Electrical Performance

- The rated current: 13A、 16A
- The rated voltage: 220V
- Insulation resistance: >1000MΩ(DC500V)
- Withstand voltage: 2500V
- duty cycle: 21.67%

#### Rubber Color



#### Shell Color



#### Cable Color



### Environmental performance

- Operating temperature: -30℃~+50℃

### Applied Materials

- Shell material: thermoplastics , flame retardant grade UL94-V0

### the function of IC-CPD

- Over-voltage , under-voltage protection
- Over-current protection
- Earth leakage protection
- Ground protection: continuous monitoring grounding protection
- Lightning 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/T 18487.1-2015.
- 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
AG-IC-CPD-13A	13A/220V	3X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>
AG-IC-CPD-16A	16A/220V	3X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>

# CHARGING MODE 2

Model: ■ AG-SAEAC-I-16P-IC-CPD

SAE Product application : Electric vehicle

### Mechanical properties

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

### Electrical Performance

- The rated current: 13A、16A
- The rated voltage: 110V/220V/250V
- Insulation resistance: >1000MΩ(DC500V)
- Pins temperature rise: <50K
- Withstand voltage: 2500V
- Contact impedance: 0.5mΩMax

### Rubber Color



### Shell Color



### Cable Color



### Applied Materials

- Shell material: thermoplastics, flame retardant grade UL94-V0



### Environmental performance

- Operating temperature: -30℃~+50℃

### the function of IC-CPD

- Over-voltage , under-voltage protection
- Over-current protection
- Earth leakage protection
- Ground protection: continuous monitoring grounding protection
- Over-temperature protection:break the circuit when the temperature is over 85℃ with continuous 3S

### 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
AG-SAEAC-I-16P-IC-CPD	16A/250V	H07BZ5-F3X2.5mm <sup>2</sup> +2x0.5mm <sup>2</sup>

# CHARGING MODE 3

Model: ■ GB-GB

GB Product application : Electric vehicle

### 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 rise: <50K
- Withstand voltage: 2000V
- Contact impedance: 0.5mΩMax

### Rubber Color



### Shell Color



### Cable Color



### Applied Materials

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

### Environmental performance

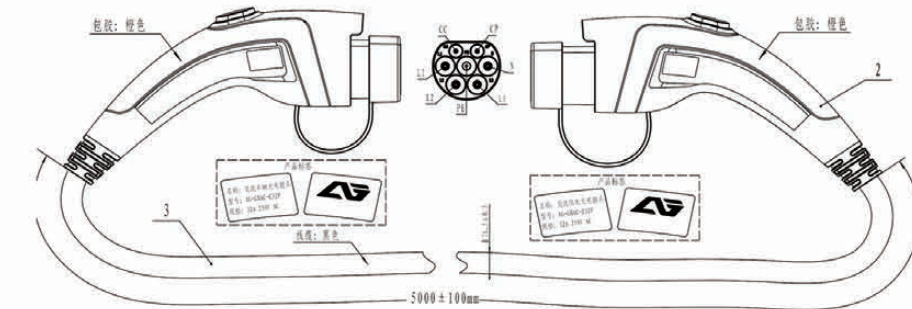
- Operating temperature: -30℃~+50℃

### Features

- 1) Conform to the provisions and requirements of GB/T 20234.2-2015.
- 2) Product assembly meet GB/T 20234.2-2011 Charging Mode3 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 protection performance , protection grade achieved IP55 of plug(working condition)High security.

### Product Specification and Cable Standard

Product Type	Rated Current/ voltage	Cable Specifications
AG-GBAC-CZ16P	16A/250V	3X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>
AG-GBAC-CZ32P	32A/250V	3X6mm <sup>2</sup> +2x0.75mm <sup>2</sup>



# CHARGING MODE 3

Model: ■ TYPE2-GB

IEC Product application : Electric vehicle  
GB

## 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 rise: <50K
- Withstand voltage: 2000V
- Contact impedance: 0.5mΩMax

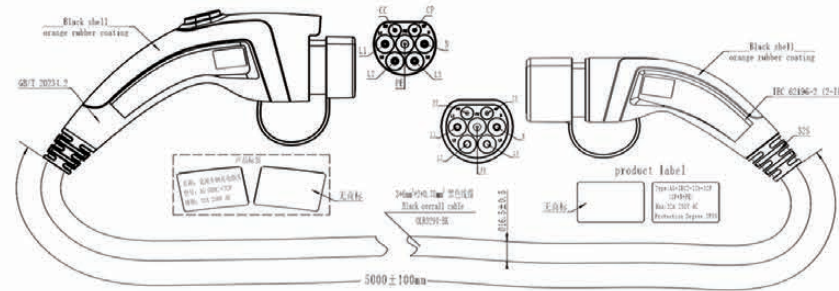
### Rubber Color



### Shell Color



### Cable Color



## Applied Materials

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

## Environmental performance

- Operating temperature: -30℃~+50℃

## Features

- 1) Conform to the provisions and requirements of GB/T 20234.2-2015 & 62196-2 IEC 2010 SHEET 2-1le.
- 2) Product assembly meet GB/T 20234.2-2011 Charging Mode3 connection method B2.
- 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 hands.
- 5) Excellent protection performance , protection grade achieved IP55 of plug(working condition)High security.

## Product Specification and Cable Standard

Product Type	Rated Current/ voltage	Cable Specifications
AG-GBAC-CZ16P	16A/250V	3X2.5mm <sup>2</sup> +2x0.75mm <sup>2</sup>
AG-GBAC-CZ32P	32A/250V	3X6mm <sup>2</sup> +2x0.75mm <sup>2</sup>

# CHARGING MODE 3

Model: ■ TYPE2-TYPE2

IEC Product application : Electric vehicle

## 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 rise: <50K
- Withstand voltage: 2000V
- Contact impedance: 0.5mΩMax

### Rubber Color



### Shell Color



### Cable Color



## Applied Materials

- Shell Material: thermoplastics , flame retardant grade UL94-V0
- Pin: Copper alloy , silver-plate

## Environmental performance

- Operating temperature: -30℃~+50℃

## Features

- 1) Conform to the provisions and requirements of 62196-2 IEC 2010 SHEET 2-1le.
- 2) Product assembly conforms to IEC 61851-1-2010 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 Specification and Cable Standard

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

# CHARGING MODE 3

Model: ■ TYPE2-TYPE1

IEC Product application : Electric vehicle

## 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 rise: <50K
- Withstand voltage: 2000V
- Contact impedance: 0.5mΩMax

### Rubber Color



### Shell Color



### Cable Color



## Applied Materials

- Shell Material: thermoplastics , flame retardant grade UL94-V0
- Pin: Copper alloy , silver

## Environmental performance

- Operating temperature: -30℃~+50℃

## Features

- 1) Conform to the provisions and requirements of 62196-2 IEC 2010 SHEET 2-Ile and SAE J1772 2010.
- 2) Product assembly conforms to IEC 61851-1-2010 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 Specification and Cable Standard

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



# CHARGING MODE 3

Model: ■ TYPE2-TYPE2-SPIRAL

IEC Product application : Electric vehicle

## 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 rise: <50K
- Withstand voltage: 2000V
- Contact impedance: 0.5mΩMax

### Rubber Color



### Shell Color



### Cable Color



## Applied Materials

- Shell Material: thermoplastics, flame retardant grade UL94-V0
- Pin: Copper alloy, silver

## Environmental performance

- Operating temperature: -30℃~+50℃

## Features

- 1) Conform to the provisions and requirements of 62196-2 IEC 2010 SHEET 2-Ile.
- 2) The product assembly conforms to IEC 61851-1 2010 charging mode 3 connection mode B2.
- 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 Specification and Cable Standard

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



# CHARGING MODE 3

Model: ■ TYPE2-TYPE1-ADAPTOR

**IEC** Product application : Electric vehicle

## Mechanical properties

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

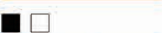
## Electrical Performance

- The rated current: 16A、 32A
- The rated voltage: 250V/415V
- Insulation resistance: >1000MΩ(DC500V)
- Pins temperature rise: <50K
- Withstand voltage: 2000V
- Contact impedance: 0.5mΩMax

### Rubber Color



### Shell Color



### Cable Color



## Applied Materials

- Shell Material: thermoplastics,flame retardant grade UL94-V0
- Pin: Copper alloy,silver

## Environmental performance

- Operating temperature: -30℃~+50℃

## Features

- 1) Conform to the provisions and requirements of 62196-2 IEC 2010 SHEET 2-Ile.
- 2) The product assembly conforms to IEC 61851-1 2010 charging mode 3 connection mode B2.
- 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 , IP65 protection level of the plug (working state) high security.

## Product Specification and Cable Standard

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

# Electronic Lock

Model: ■ AC-Z-EL

**GB** Product application : Prevent charging plug release accidentally

## Mechanical properties

- Mechanical life: ≥50000 (DC12V POW-ER-ON 0.05s,power-off 10s)
- Thrust: ≥450g(Energized DC 12V)
- Retentivity: ≥700g

## Electrical Performance

- The rated current: 3A
- The rated voltage: 12V ± 5%
- Activation time: ≥0.05s
- Power-on sustaining: 0.2s Max
- Insulation resistance: >50MΩ(DC500V)
- Temperature rise: ≤50℃ (power-on 0.05s,power-off 10s)
- Withstand voltage: DC1000V 50/60Hz 30s

## Applied Materials

- Shell material: thermoplastics,flame retardant grade UL94-V0

## Environmental performance

- Operating temperature: -30℃~+50℃



## Features

- 1) Conform to the provisions and requirements of GB/T18487.1-2015 .
- 2) Electromagnetic pulse control is adopted , also can add control board to achieve a long power supply mode.
- 3) Use ultrasonic welding process , with small size and beautiful appearance.
- 4) Have signal feedback function and manual emergency unlocking function.
- 5) Excellent protection performance, protection grade achieved IP66 ( working condition).
- 6) Reliable material ,flame retardant, pressure proof , wear - resisting , impact resistance, high oil proof.



# Electronic Lock

Model: ■ AC-C-EL

**GB** Product application : Prevent charging plug release accidentally

## Mechanical properties

- Mechanical life: ≥50000 (DC12V POW-ER-ON 0.05s, power-off 10s)
- Thrust: ≥450g (Energized DC 12V)
- Retentivity: ≥700g

## Electrical Performance

- The rated current: 3A
- The rated voltage: 12V ±5%
- Activation time : ≥0.05s
- Power-on sustaining: 0.2s Max
- Insulation resistance: >50MΩ (DC500V)
- Temperature rise: ≤50°C (power-on 0.05s, power-off 10s)
- Withstand voltage: DC1000V 50/60Hz 30s

## Applied Materials

- Shell material: thermoplastics, flame retardant grade UL94-V0

## Environmental performance

- Operating temperature: -30°C ~ +50°C

## Features

- 1) Conform to the provisions and requirements of GB/T18487.1-2015 .
- 2) Electromagnetic pulse control is adopted, also can add control board to achieve a long power supply mode.
- 3) Use ultrasonic welding process, with small size and beautiful appearance.
- 4) Have signal feedback function and manual emergency unlocking function.
- 5) Special internal waterproof protection performance, protection grade achieved IP66.
- 6) Reliable material, flame retardant, pressure resistance, abrasion resistance, impact resistance and high oil resistance.



**GB** GB DC Fixed Socket



**GB** GB AC Fixed Socket



**IEC** TYPE 1 AC Fixed Socket



**SAE** TYPE 2 AC Fixed Socket

# Plug dummy socket

Product application : Fixed socket for EV charging connector

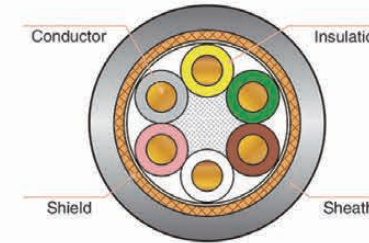


**CUSTOM CABLE**

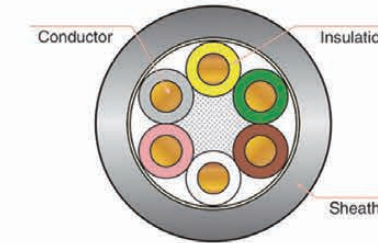
## Robot Cable

RFPC-SB series (UL2586)/RFPC series (UL2517)/RFPC-SB series (UL2517)

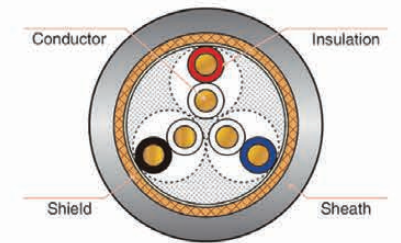
### Construction



RFPC—SB series (UL2586)  
Robot Power Cable



RFPC series (UL2517)  
Robot Power Cable



RFPC-SB series (UL2517)  
Robot Encoder Cable

### Characteristics

It is mainly made of high flexible cable with excellent bending resistance and torsion resistance, scientific design and compact structure. It is mainly used for power transmission



## Contents

### Custom cable

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### Characteristics

Customized with connector assembly

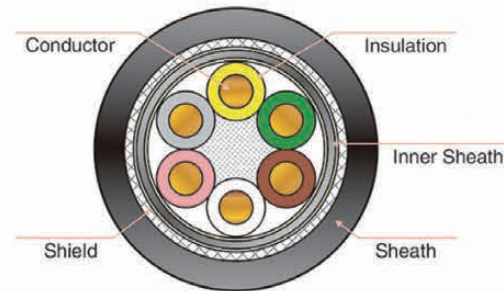
Flex Resistance	Twisting Resistance	Oil Resistance
10,000,000Cycles Bending And Twisting Life	Applicable environment: - 15 °C ~ + 105 °C	Certificate: UL/c-UL、ROHS、CE
Conductor:	Tinned annealed copper	
Rated voltage:	300V	
Insulation:	ETFE	
Voltage withstand test:	AC2.0kV/min	
Shield:	Tinsel	
Sheath:	Flame-retardant Heat-resistance PVC	
Insulation resistance:	100MΩ.km(20 °C)	

\*Note: Above are the standard products also we can on customer requirement.

## Towline Cable

RFPC-SB series (UL2586)/RFPC series (UL2517)/RFPC-SB series (UL2517)

### Construction



### Characteristics

Great flex cable, it used in robot and machine tool reciprocating power encoder cables  
Distance:  $\leq 50m$ , Speed  $\leq 10m/s$

#### Characteristics

Customized with connector assembly

Bending resistance	Torsional resistance	Oil Resistance
Hydrolysis Resistance	Drag Resistance	Certificate: UL/c-UL、ROHS、CE

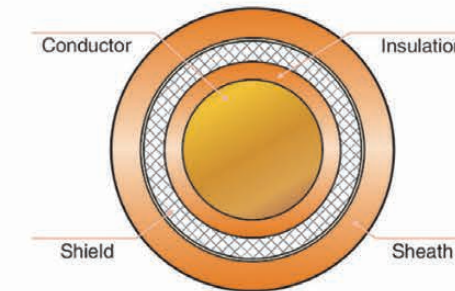
Applicable environment:	-40°C~+ 80°C
Conductor:	Tinned annealed copper
Rated voltage:	30V、300V
Insulation:	Special Heat-resistance PVC、High strength elastomer
Voltage withstand test:	AC2.0kV/min、AC0.5kV/min
Sheath:	100MΩ.km(20°C)
Shield:	Flame-retardant Heat-resistance PVC Flame-retardant polyurethane
Insulation resistance:	15MΩ.km(20°C)、15MΩ.km(20°C) 20MΩ.km(20°C)

\*Note: Above are the standard products also we can on customer requirement

## New Energy Vehicle High Voltage Cable

NEVC-SB Series(XLPE)

### Construction



### Characteristics

High voltage withstand and flex vehicle cable for EV、HEV and FCEV cabling system, it used as lead wire for electric motors、charging poles and AC bundle cables.

#### Characteristics

Customized with connector assembly

Flex Resistance	Anti-EMI	Low Smoke Zero Halogen
Oil Resistance	Abrasion Resistance	Ozon Resistance

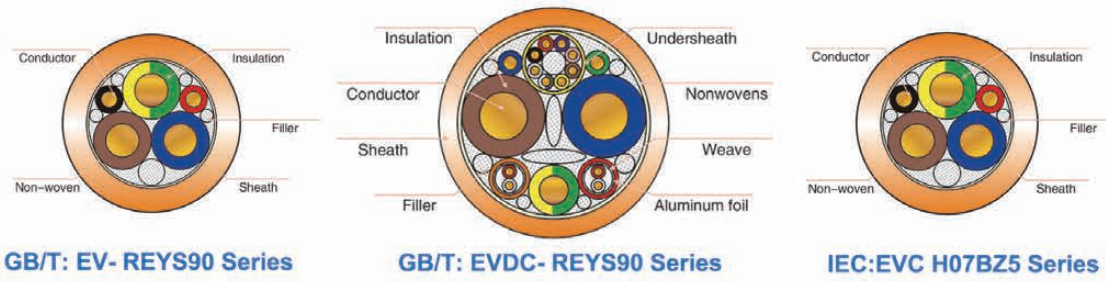
Temperature:	-40°C~+125°C / -40°C~+150°C
Certificate:	RoHS、CE
Conductor:	Tinned annealed copper
Insulation:	XLPE
Shield:	Tinned annealed copper
Sheath:	Flame-retardant XLPE
Rated voltage:	750V
Voltage withstand test:	AC2.5kV/min
Insulation resistance:	5MΩ.km(20°C)

\*Note: About are the standard products also we can design on customer requirement.

## Electric Vehicle Charging Post Cable

EV- REYS90 Series/EVDC- REYS90 Series/EVC H07BZ5 Series

### Construction



### Characteristics

This cable is used for charging equipment of Electric Vehicles and Charging pile, or for control system of charging station, safety warning and other control signal transfer function of EV charging and discharging.

Characteristics Customized with connector assembly

Flex Resistance	Anti-EMI	Zero Halogen
Oil Resistance	Abrasion Resistance	AC Low-speed Charging DC High-speed Charging

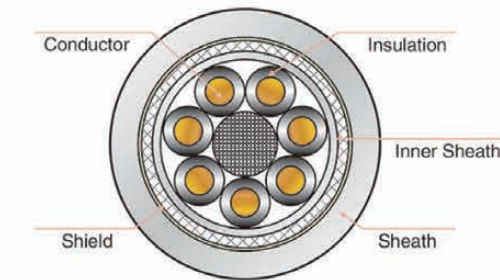
Temperature:	-40℃~+90℃
Certificate:	GB/T 33594 ,RoHS,TUV(Rheinland),CE
Conductor:	Bare copper
Insulation:	Special elastomer
Sheath:	Special elastomer
Rated voltage:	450/750V
Voltage withstand test:	AC2.5kV/5min; DC6kV/5min
Insulation resistance:	≥3670MΩ·km(20℃)

\*Note:About are the standard products also we can design on customer requirement.

## Wind Power Anti-Torsion Cable

WPTC-SB Series

### Construction



### Characteristics

Great flex and twisting cable,it is used as power transmission cable in turbines.

Characteristics Customized with connector assembly

Flex Resistance	Twisting Resistance	10000 Cycles + 1440° Twisting
Oil Resistance	Abrasion Resistance	Hydrolysis Resistance

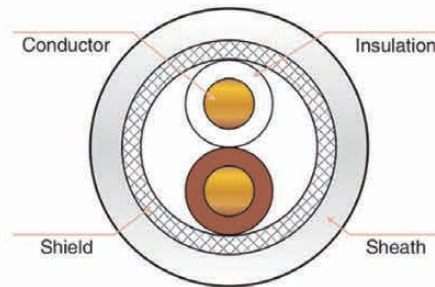
Temperature:	-40℃~+80℃
Certificate:	RoHS、CE
Conductor:	Tinned annealed copper
Insulation:	High flex elastomer
Inner sheath:	High flex elastomer
Shield:	Tinned annealed copper
Sheath:	Flame-retardant polyurethane
Rated voltage:	300/500V
Voltage withstand test:	AC3.0kV/min
Insulation resistance:	10MΩ·km(20℃)

\*Note:About are the standard products also we can design on customer requirement.

## Aerospace Cable

ASC-FF46P11H3 Series

### Construction



### Characteristics

It find wide use throughout industry,in commercial and military electronics ,avionics ,avion-

#### Characteristics

Customized with connector assembly

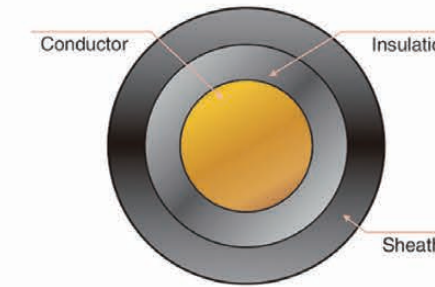
Light Weight	Heat Resistance	Fuels Resistance
Lubricants Resistance	Solvents Resistance	Higt Flame-Retardant
Voltage withstand test:	AC2.5KV/min	
Insulation resistance:	1000MΩ.km(20℃)	
Applicable environment:	-65℃~+ 150℃	
Certificate:	ROHS	
Conductor:	Tinned annealed copper	
Rated voltage:	600V	
Shield:	Tinned annealed copper	
Sheath:	ETFE XLETFE、FEP	
Insulation:	FEP、ETFE XLETFE(This product insulation are whited,blue,the sheath color is white,also we can have other colors from customers' requirements	

\*Note:Above are the standard products also we can on customer requirement.

## Photovoltaic Cable

PV1-F Series

### Construction



### Characteristics

It applies to flexible single-core cables(cords) for use at the DC-side of photovoltaic - systems with a maximum permissible voltage of DC 1,8kV(conductor/conductor,non earthed

#### Characteristics

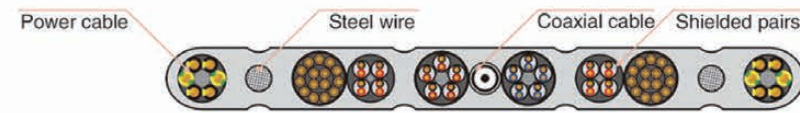
Customized with connector assembly

Flex Resistance	UV Resistance	Low Smoke Zero Halogen
Oil Resistance	Chemical Resistance	Ozon Resistance
Temperature:	-40℃~+90℃	
Certificate:	RoHS ,TUV(Rheinland),CE; 2Pf G1169/08.07	
Conductor:	Tinned annealed copper	
Insulation:	XLPE	
Sheath:	Flame-retardant XLPE	
Rated voltage:	AC 0.6/1kV; DC 1.8kV	
Voltage withstand test:	AC6.5kV/min	
Insulation resistance:	15MΩ·km(20℃)	

\*Note:This product insulation,sheath color are black,also we can have other colors from customers' requirements.Above are the standard products also we can design on customer requirement.

## High speed elevator cable

**Construction** 10m/s TVVBP-TV High flat lift cables assembly of stranding cores with shielded pairs



TVVBPG-TV 300/500V 30×0.75+12×2+18P×2×0.5+1CX75+2S

**Characteristics** Customized with connector assembly

Bending Resistance	Running speed: ≤10m/s	Travelling height: ≤300m
Loop diameter: ≤1000mm	Operating temperature: -15°C~+70°C	6million bending test
Certificate:RoHS,CE	SYV75:75Ω	Standard: JB/T 8734.6, EN50214

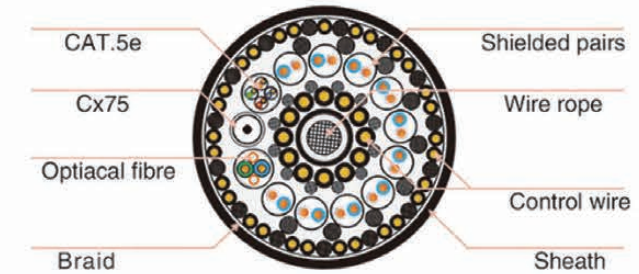
Conductor	Copper	Sheath	PVC for elevator cable
Insulation	PVC	Rated Voltage	300/500V
Shield	Copper or Tinned copper	Voltage withstand test	2000V/5min

\*Note:We could manufacture the control core,coaxial,fiber optic and networkcable,and the number of units design according to customer requirements

## High speed elevator cable

**Construction** 10m/s TVVBPG-TV round cable with screen, video, fiber optic and cable network cable multi-function elevator cable

**Construction**



**Characteristics** Customized with connector assembly

Bending Resistance	Running speed: ≤10m/s	Travelling height: ≤300m
Loop diameter: ≤1000mm	Operating temperature: -15°C~+70°C	6million bending test
RoHS, CE	SYV75:75Ω	Multimode or single-mode fiber

Certificate	RoHS,CE	Standard	GB/T 5023.6, IEC60227-6
Conductor	Copper	Sheath	PVC for elevator cable
Insulation	PVC	Rated Voltage	300/500V
Shield	Copper or Tinned copper	Voltage withstand test	2000V/5min

\*Note:We could manufacture the control core,coaxial,fiber optic and networkcable,and the number of units design according to customer requirements

## Low speed elevator cable

### Characteristics

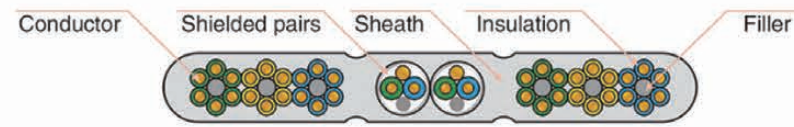
Customized with connector assembly

4m/s TVVBP-TV flat lift cables assembly of stranding cores with shielded pairs

Bending Resistance Running speed: ≤4m/s Travelling height: ≤80m Loop diameter: ≤700mm

Operating temperature: -15°C~+70°C 3million bending test Certificate:RoHS,CE,CCC

### Construction



TVVBP 300/500V  $36 \times 0.75 + 2P \times 2 \times 0.75 \text{mm}^2$

## Low speed elevator cable

### Characteristics

Customized with connector assembly

4m/s ETT/ETP UL standard Elevator Travelling Cable

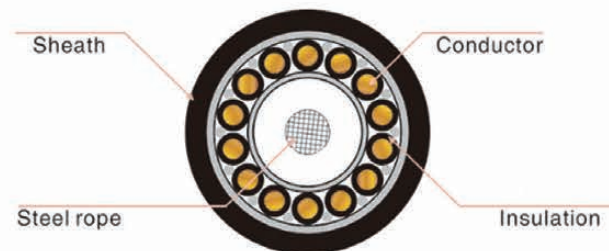
Bending Resistance Travelling height: ≤60m

Operating temperature: -15°C~+70°C Certificate:RoHS,CE,CCC

Running speed: ≤4m/s Loop diameter: ≤1000mm

3million bending test

### Construction



ETT 14 × 14AWG

Conductor	Copper	Sheath	PVC for elevator cable
Insulation	PVC	Rated Voltage	300/500V
Shield	Copper or Tinned copper	Voltage withstand test	2000V/5min

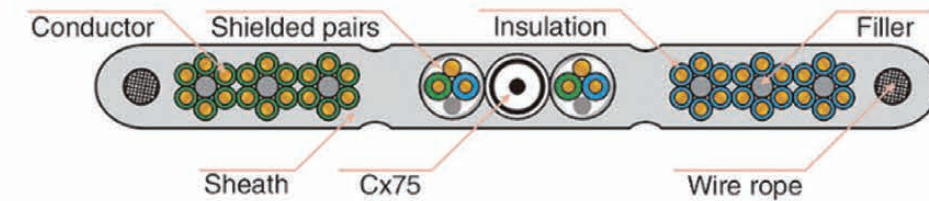
\*Note:Note:Cables recommender for installations where the suspended length exceed 60m,we could add steel rope and the speed of travel doesn't exceed 6m/s.

## Middle and high speed elevator cable

### Construction

4m/s TVVBPG-TV flat lift cables assembly of stranding cores with shielded pairs, wire rope and Coaxial cable

### Construction



TVVBPG-TV 300/500V  $36 \times 0.75 + 2P \times 2 \times 0.75 \text{mm}^2 + 1CX75$

### Characteristics

Customized with connector assembly

Bending Resistance Running speed: ≤6m/s Travelling height: ≤200m

Loop diameter: ≤700mm Operating temperature: -15°C~+70°C 3million bending test

Certificate:RoHS,CE Standard: GB/T 5023.6,IEC 60227-6

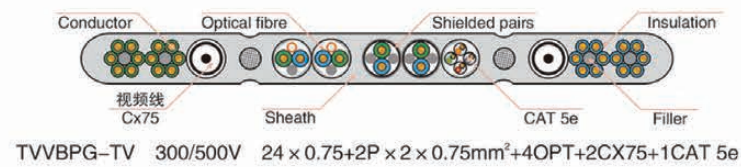
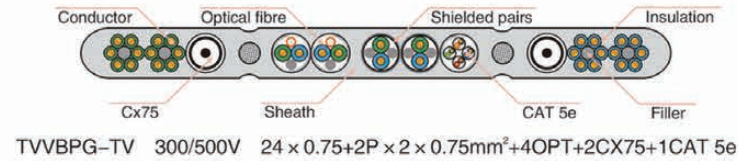
Conductor	Copper	Sheath	PVC for elevator cable
Insulation	PVC	Rated Voltage	300/500V
Shield	Copper or Tinned copper	Voltage withstand test	2000V/5min

\*Note:We could manufacture the control core,coaxial,fiber optic and network cable,and the number of units design according to customer requirement.

## Middle and high speed elevator cable

6m/s TVVBPG-TV flat lift cables assembly of stranding cores with shielded pairs, wire rope and Coaxial cable

### Construction



6m/s TVVBPG-TV flat lift cables with screen, video, fiber, optic cable and network cable multifunction elevator

### Characteristics

Customized with connector assembly

Bending Resistance	Running speed: $\leq 6\text{m/s}$	Travelling height: $\leq 200\text{m}$
Loop diameter: $\leq 700\text{mm}$	Operating temperature: $-15^\circ\text{C} \sim +70^\circ\text{C}$	3million bending test
Certificate: RoHS, CE	Standard: GB/T 5023.6, IEC 60227-6	Multimode/Single Mode Fiber Optic Cat.5e or CAT6

Conductor	Copper	Sheath	PVC for elevator cable
Insulation	PVC	Rated Voltage	300/500V
Shield	Copper or Tinned copper	Voltage withstand test	2000V/5min

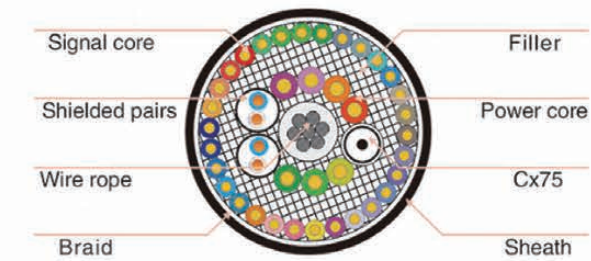
\*Note: We could manufacture the control core, coaxial, fiber optic and network cable, and the number of units design according to customer requirement.

## Middle and high speed elevator cable

6m/s WDZ-TYPPG-TV Round Low Smoke Halogen Free Flame retardant Travelling Cable with Steel Center, Power/Signal shielded pairs, and Coaxial cable

### Construction

### Construction



WDZ-TYPPG-TV 300/500V  $30 \times 0.75 + 7 \times 2 + 2P \times 2 \times 0.5 \text{mm}^2 + 1\text{CX75}$

### Characteristics

Customized with connector assembly

Bending Resistance	Running speed: $\leq 6\text{m/s}$	Travelling height: $\leq 300\text{m}$
Loop diameter: $\leq 700\text{mm}$	Operating temperature: $-15^\circ\text{C} \sim +70^\circ\text{C}$	6million bending test
Low smoke halogen free flame retardant	Certificate: RoHS, CE	Standard: GB/T 5023.6 IEC 60227-6, GBT 19666-2005

Conductor	Copper	Sheath	Low smoke halogen free flame retardant polyolefin elevator cable
Rated Voltage	300/500V	Insulation	Low smoke halogen free flame retardant polyolefin
Voltage withstand test	2000V/5min	Shield	Copper or Tinned copper

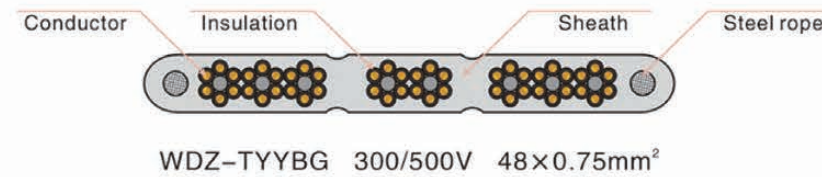
\*Note: We could manufacture the control core, coaxial, fiber optic and network cable, and the number of units design according to customer requirement.



## Middle and high speed elevator cable

6m/s WDZ-TYYBG Low Smoke Halogen Free Flame retardant Flat Lift Cables with steel rope

### Construction



<b>Characteristics</b>	Customized with connector assembly	IEC60332-3-24/IEC 61034-2 IEC 60754-1/IEC 60754-2
Bending Resistance	Running speed: ≤6m/s	Travelling height: ≤200m
Loop diameter: ≤700mm	Operating temperature: -15℃~+70℃	6million bending test
Low smoke halogen free flame retardant	Certificate: RoHS, CE	Standard: GB/T 5023.6 IEC 60227-6, GBT 19666-2005

Conductor	Copper	Sheath	Low smoke halogen free flame retardant polyolefin elevator cable
Rated Voltage	300/500V	Insulation	Low smoke halogen free flame retardant polyolefin
Voltage withstand test	2000V/5min	Shield	--

\*Note: We could manufacture the control core, coaxial, fiber optic and network cable, and the number of units design according to customer requirement.

## Certification system



ISO 9001, ISO 14001, OHSAS 18001

Powered by Manufacture Facility of ONITL CABLE TECHNOLOGY, AG ELECTRICAL strictly implements IATF 16949 and ISO 9001 international quality management system. We have obtained TUV CE RoHS CCC ISO certificates. There are various charging interfaces and charging solutions in accordance with SAE J1772, GB/T20234, IEC 62196 and other standards, so as to apply to multiple brands of electric vehicles and charging stations. We have many years cable manufacture experiences and independent research, development and production of cables. Customization is the most accepted competitive advantage of us from raw material to finished Industrial Products. Our products are exported to Europe, southeast Asia and other countries and regions, and has been recognized by users around the world.



AG team obtained the certification of TUV connectors and cables in January 2019, which means our products can officially enter into the European market.



We have obtained the relevant certification of IATF 16949 by TUV SUD and are qualified to cooperate with most main engine plants.



3C certification is known as "China compulsory product certification", RoHS and "CE" marks are compulsory certification marks in the EU market, with irreplaceable importance. We can provide relevant documents if our clients ask for it.