

## Technical specifications DCNEM-A-D130-5

250V32A Model 2 Charging cable with type 2 vehicle connector, be used for AC charging interface charging of USA standard electric vehicle.

### Product description

Used for USA AC charging interface

### Advantages

- ✔ Streamlined design with beautiful appearance The shell is designed as a whole
- ✔ The contacts of power terminal and signal terminal are silver plated
- ✔ Enterprise has passed ISO 9001:2015
- ✔ Ergonomic design at the handle, antiskid treatment
- ✔ The product has passed CE certification and its performance is safe and reliable. Multiple seal structure design, excellent waterproof performance
- ✔ Products are available in many colors and can be customized according to requirements

### Technical parameter

#### Product definition

Product type	Model 2 Charging cable with type 2 vehicle connector
Type	The color of the cable is back/orange
Standards / procedures	IEC62196-2014 IEC61851-2017
Voltage type	AC
Charging mode/case type	Mode 2, case B

#### Size

Length of vehicle connector	231mm
Width of vehicle connector	69mm
Height of vehicle connector	195mm
Cable length	5m(Reference )

## Technical parameter

### Size

Length of Control box	222mm
Width of Control box	67mm
Height of Control box	43.5mm
Cable length	N/A

### Environment condition

Ambient temperature (operation)	-30 °C ..... 50 °C
Ambient temperature (storage / transportation)	-40 °C ..... 80
Maximum altitude	2000m
IP code	IP54 (Unmated)
	IP55(Mated)

### Electrical characteristics

Charging power	8kW
Phase number	Single-phase
Number of power pins	3pcs(L1,N, PE)
Rated current of high power contact	32A
Rated voltage of power contact	250 V AC
Number of signal contacts	2pcs (CP, PP)
Rated current of signal contact	2 A
Rated voltage of signal contact	30 V AC
Signal transmission type	PWM
Precautions in connection method	Crimp connection, do not disconnect
R6 resistance	150Ω
R7 resistance	330Ω
RC resistance	N/A
PWM	53.33%(Reference )
PE protection	yes

### Mechanical properties

Insertion / extraction times	> 10000
Insertion force	< 80N
Pull-out force	< 80N

### Structural characteristics

Shell color	Black / White
Insulator color	Black
Contact color	silvery
Cover color	Black
Customized type	According to customer requirements

## Technical parameter

### Material

Shell material	Plastic
Contact material	Copper
Button material	Kirsite
Seal material	rubber
Insulator material	Plastic
Flame retardant grade	V0
Contact surface material	Ag

### Cable

Cable structure	3 x6.0mm <sup>2</sup> + 2 x0.5mm <sup>2</sup> (Reference )
Wiring standards / specifications	IEC 61851-2017
Wiring authentication	UL/TUV
Cable outer diameter	16.3mm ±0.4 mm(Reference )
Cable Type	Straight type
Outer sheath, material	TPE(Reference )
Outer jacket, color	Black / orange(Reference )
Minimum bending radius	15 x diameter

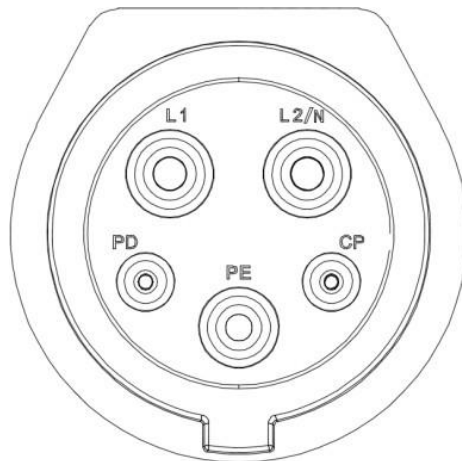
### Locking device

Locking type	Electronic locking
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### Environmental protection requirements

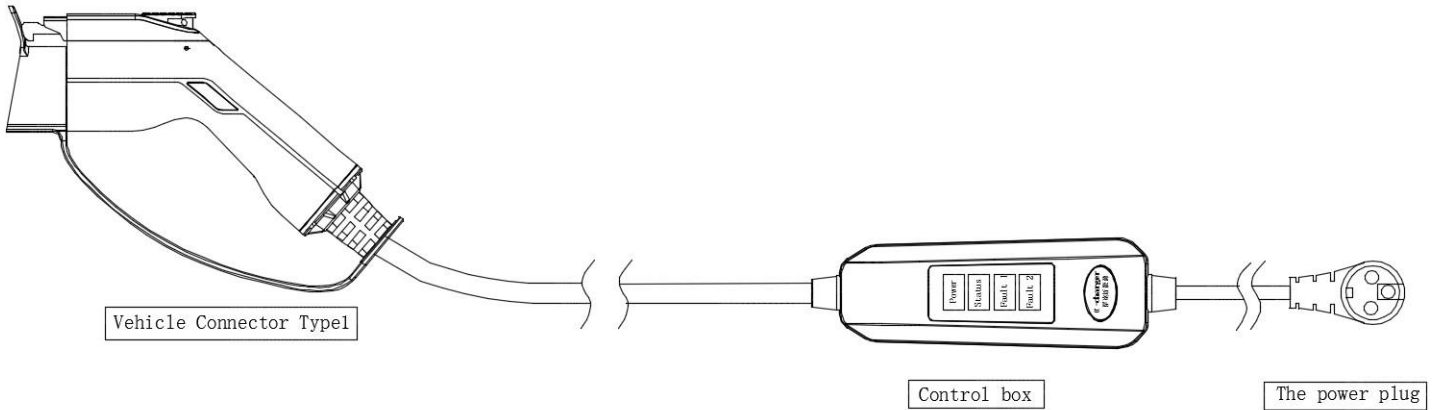
REACH SVHC	Lead 7439-92-1
China RoHS	Environmental protection service life= 10;

### Product drawing



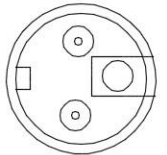
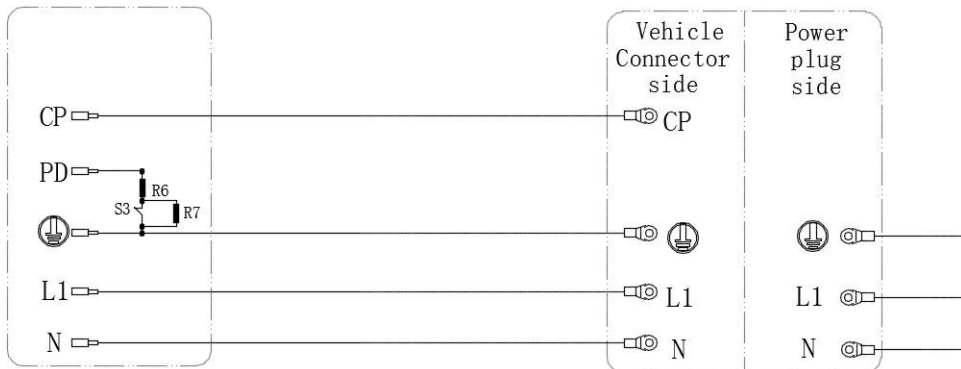
Layout of type 1 vehicle connector pins

**Product drawing**



Vehicle Connector wiring diagram

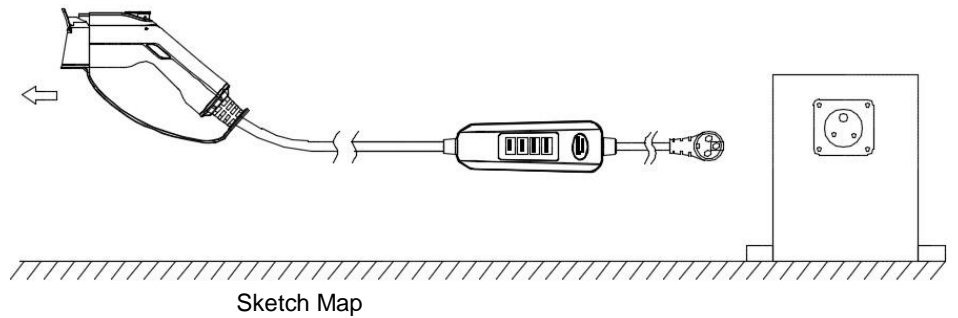
Control box wiring diagram



Mode 2 charging cable with type 1 vehicle connector

**Operation guide**

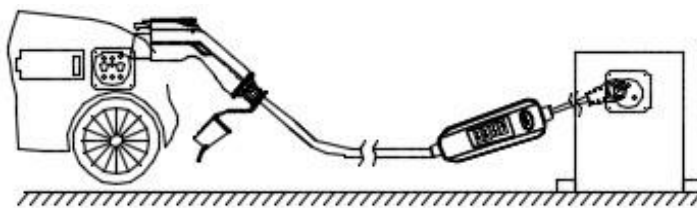
**Step 1: Pull out the cover**



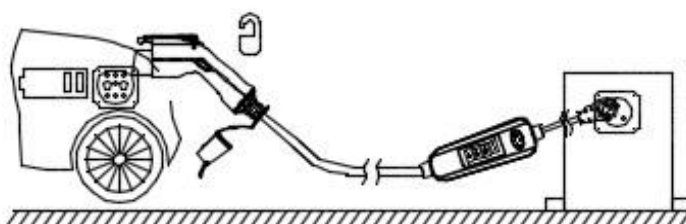
## Operation guide

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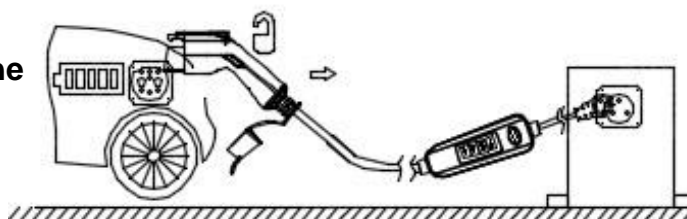
**Step 2: Plug the charging plug into the socket**



**Step 3: Start charging**



**Step 4: After charging, press the button and pull out the charging plug**



**Step 5: Pull on the cover**

