



SAE Type 1 Charging Cable

Mechanical Properties

Mechanical life: no-load plug>10000times

Impact of external force: be able to afford 1m drop and 2tons vehicle run over pressure

Insertion and extraction force:<100N

Electrical Performance

Rated current: 16A/20A/32A

Rated voltage: 120V/250V

Insulation resistance: >1000MΩ(DC500V)

Pins temperature rise:<50K

Withstand voltage: 2500V

Contact impedance: 0.5mΩMax

Raw Material

Shell material: thermoplastics, flame retardant grade UL94-0

Plug pin:copper alloy, silver-plate

Environmental Performance

Temperature: -30°C~+50°C





AG ELECTRICAL MANUFACTURE FACILITY



SAE Type 1 Charging Cable Features

- Conform to the provisions and requirements of SAE J1772-2012, it can charge all EV manufactured in USA, correctly and effectively with high compatibility.
- Using riveting pressure process with none screw with beautiful appearance. Hand-held design conform to ergonomic principle, plug conveniently. The head of pins using insulation design to prevent direct contact with the hand. Customer is able to install the charger indoor or outdoor, according to actual demand. Firmly locking the charger on the installation backplane can prevent theft.
- XLPO for cable insulation prolonging the aging resistance life-span. TPU sheath improves the bending life and wear resistance of cable. The best material in the market at present, conforms to the latest European Union standards.
- Special internal waterproof protection performance, protection grade achieved IP55 (working condition). The shell can effectively insulate water from body and enhance the safety level even in bad weather or special circumstances.
- Adopted double color coating technology, custom color accepted (regular color orange, blue, green, gray, white)
- Keep the laser logo space for customer. Provide OEM/ODM service to help customer expand market easier.

Application of SAE Type 1 Charging Cable Features

Apply to Vehicle

Tesla model3, Tesla Model S, Tesla Model X, BAIC EU-Series, BYD Yuan/S2 EV, BYD e5, Chevrolet Volt, Mia, Mia Electric Van, Mitsubishi OUTLANDER PHEV, Nissan NV200 SE Van, Nissan leaf, SAIC



AG ELECTRICAL MANUFACTURE FACILITY

Baojun E-Series, SAIC Roewe Ei5 EV, BMW 530e/Le, Renault Zoe, Hyundai Kona EV, BMW i3, BYD Tang PHEV, Chery eQ EV, Toyota Prius PHEV, Volkswagen e-Golf, Geely Emgrand EV, Great Wall Ora R1 EV

Application in area

Commercial EV Charging/Workplace EV Charging, Hotels EV Charging, Home/Residential EV Charging, Public EV charging

SAE Type 1 Charging Cable Features Parameter

AG ELECTRICAL EV Charging cable Type2 acquires all safety and production certificates in electrical filed, ISO9001, ISO 14001, OHSAS 18001, SAE J1772-2012

Product Type	EV Charging Cable Type 1
Rated Current	16A/20A/32A
Rated Voltage	120V/250V
Phase	One Phase/Single Phase,Three Phase
Cable Specification	H07BZ5-F3X2.5mm ² +2x0.5mm ²
(Wire length and the end of treatment according to the client configuration)	H07BZ5-F3X6mm ² +2x0.5mm ²
Length	Regular 5m, custom length accepted
Color	orange, blue, green, gray, white, custom color accepted
Warranty	12 months
Certificate	CE
Packaging Details	Standard export wooden case or carton. Or as customer requirements
Delivery Time (days)	Within 15days, if quantity >100, to be negotiated