



## Product overview

# High Voltage Cable

### Features:

- ✓ Conductor: Copper/Aluminum
- ✓ Insulation: XLPE / XLPO / Silicone Rubber
- ✓ Rated temperature: -40~125°C/ -40~175/200°C
- ✓ Wire Diameter: 2.5~120mm<sup>2</sup>

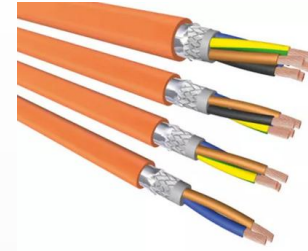
Guchen High voltage cables and wires are used in electrical systems for high voltage electric vehicles, such as electric cars, electric buses and trams.

The high voltage cable is usually made up of several insulated wires laid side by side inside a protective cover (insulation) made from plastic or rubber. The wires inside the cable carry electrical current from one place to another.

The main purpose of a high voltage cable is to transmit electrical energy with minimum loss over long distances through an insulating material that does not conduct electricity.



Shielded High Voltage  
Copper Core Cable



HV Shielded Multi-Core  
Copper Cable



Silicone Rubber HV  
Shielded Copper Cable



High Voltage Shielded  
Aluminum Cable

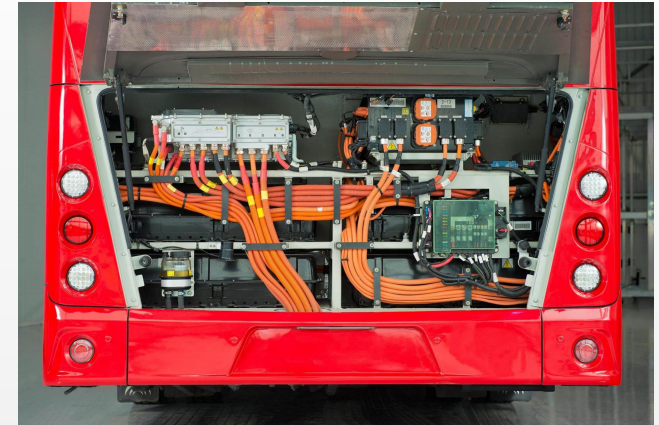


Silicone Rubber HV  
Unshielded Copper  
Cable



HV Unshielded Aluminum  
Cable

## Application





High Voltage electric cable is an indispensable part of the electric vehicle. It is used to connect the battery, inverter and motor.

The cable also provides power supply for various devices in the car such as air conditioner, PTC, MCU, OBC, etc.

The high voltage cable has a very large current capacity and can withstand high voltage and current.



## Shielded / Non-Shielded High Voltage Cables for Sale







## Product overview

# High Voltage Wiring Harness

### Features:

- ✓60,000 kilometers of road reliability loading test to ensure product reliability;
- ✓The conductor is made of multi-strand oxygen-free copper wire, which is flexible, with a withstand voltage of 1500V and a current carrying capacity of 20-300A;
- ✓The wire cover is made of XLPE material, which is more durable;
- ✓Suitable for extreme temperature environment, temperature resistance -40-125 degrees Celsius;
- ✓Protection level up to IP68, IP69K.



PTC&AC HV Wiring Harness



charging cable



BAT HV Wiring Harness



DCDC HV Wiring Harness



MCU HV Wiring Harness



Motor HV Wiring Harness

## Application



## We Provide Custom Services for Global Customers

- What Services Guchen Provide:

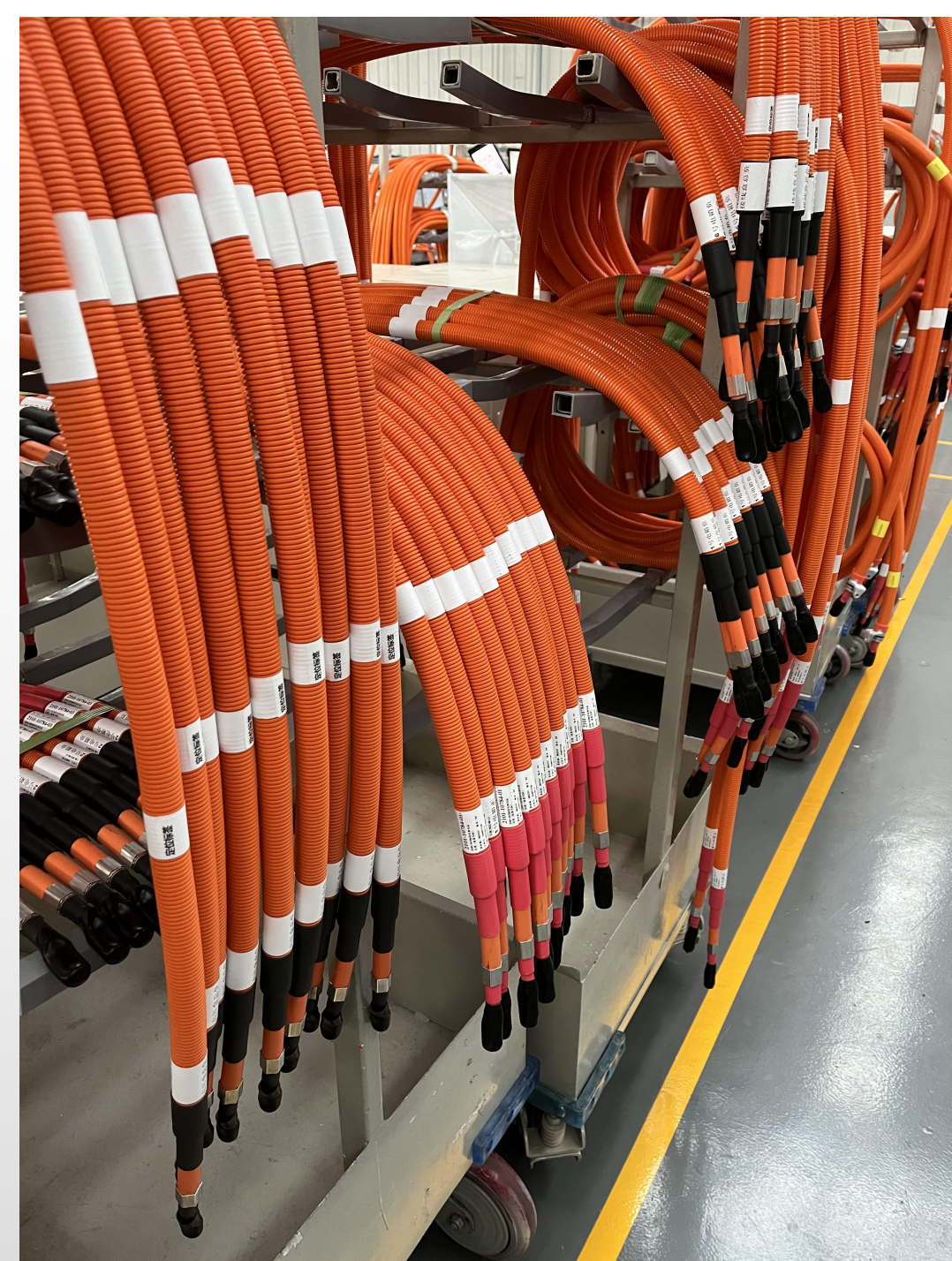
- 1) Full range of EV HV connectors for safe, reliable and efficient interconnection.

The connector brands include Guchen Electronics, Amphenol, TK, Jonhon, Sumitomo etc.. We have strong resource integration capabilities and the lowest price advantage. Whatever you need, we can supply.

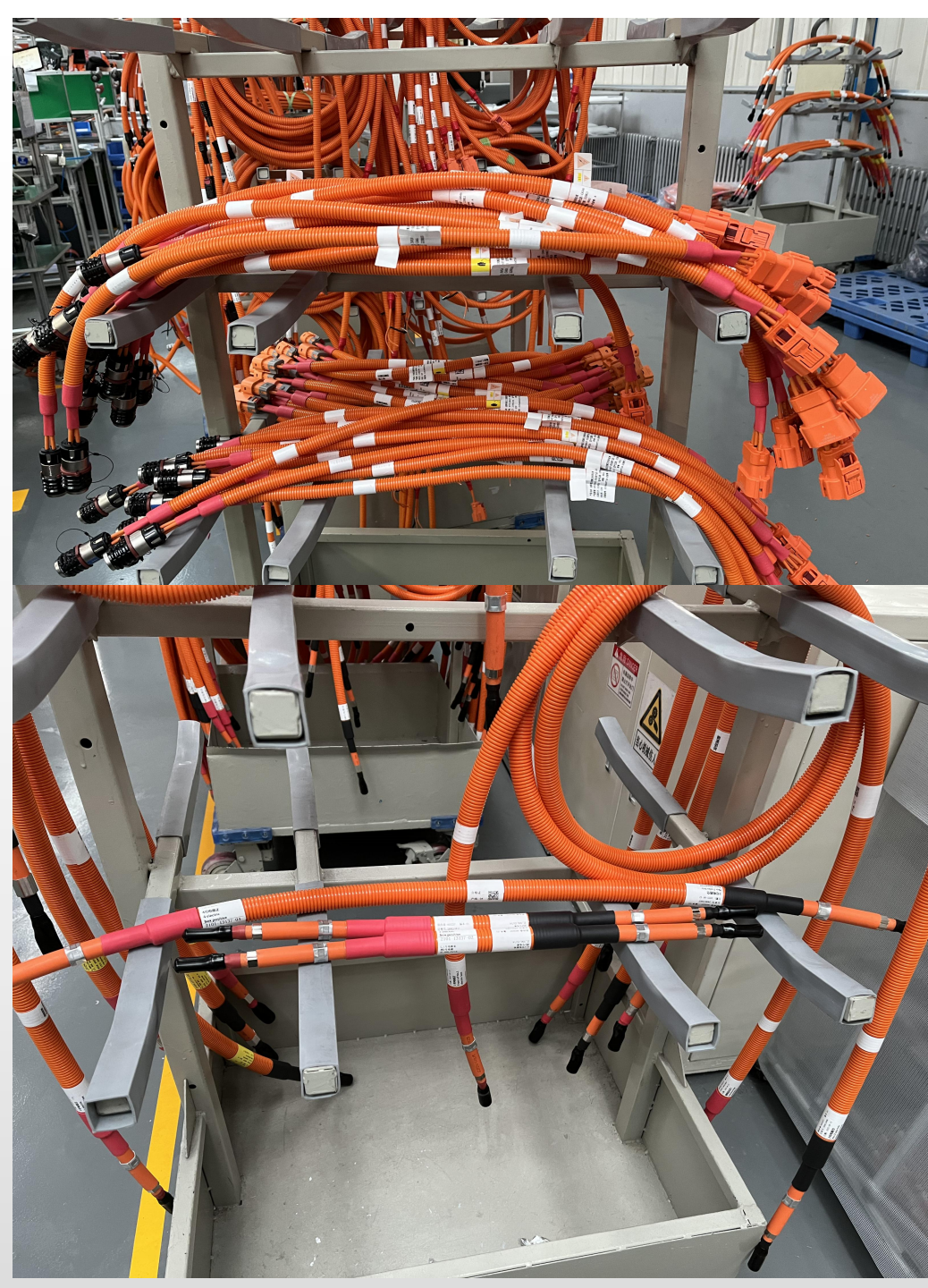
- 2) Provide wire harness processing services.

If you have materials such as connectors and cables, but do not have the ability to process and produce finished wire harnesses, we can provide a full range of processing and production services. The most advanced crimping process ensures that the high-voltage wire harness can be used 100% safely for the reliable connection of high-voltage components in the EV.

- 3) Full customized supports on all your high voltage interconnection requirements











## Low Voltage Wiring Harness

### Features:

- ✓60,000 kilometers of road reliability loading test to ensure product reliability;
- ✓The inner contact adopts double-wall heat-shrinkable tube for waterproofing, and the wet area adopts BOSCH, TE, Deutsh and other internationally renowned connectors, and the protection meets the IP67 standard;
- ✓Materials meet the RoHs directive and TVOC environmental protection requirements
- ✓The wire anti-flammability tripartite test is 2.5s to extinguish, far exceeding the national standard (70s to extinguish)
- ✓The flame retardant grade of the pipe cladding material meets the requirements of V-0 and HB grades, which is the highest grade in the industry



Battery harness



Power supply low-voltage connection line



Tinned copper braided wire



Air conditioner harness



Condenser fan harness



dash board harness





# Custom Solution Provider

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