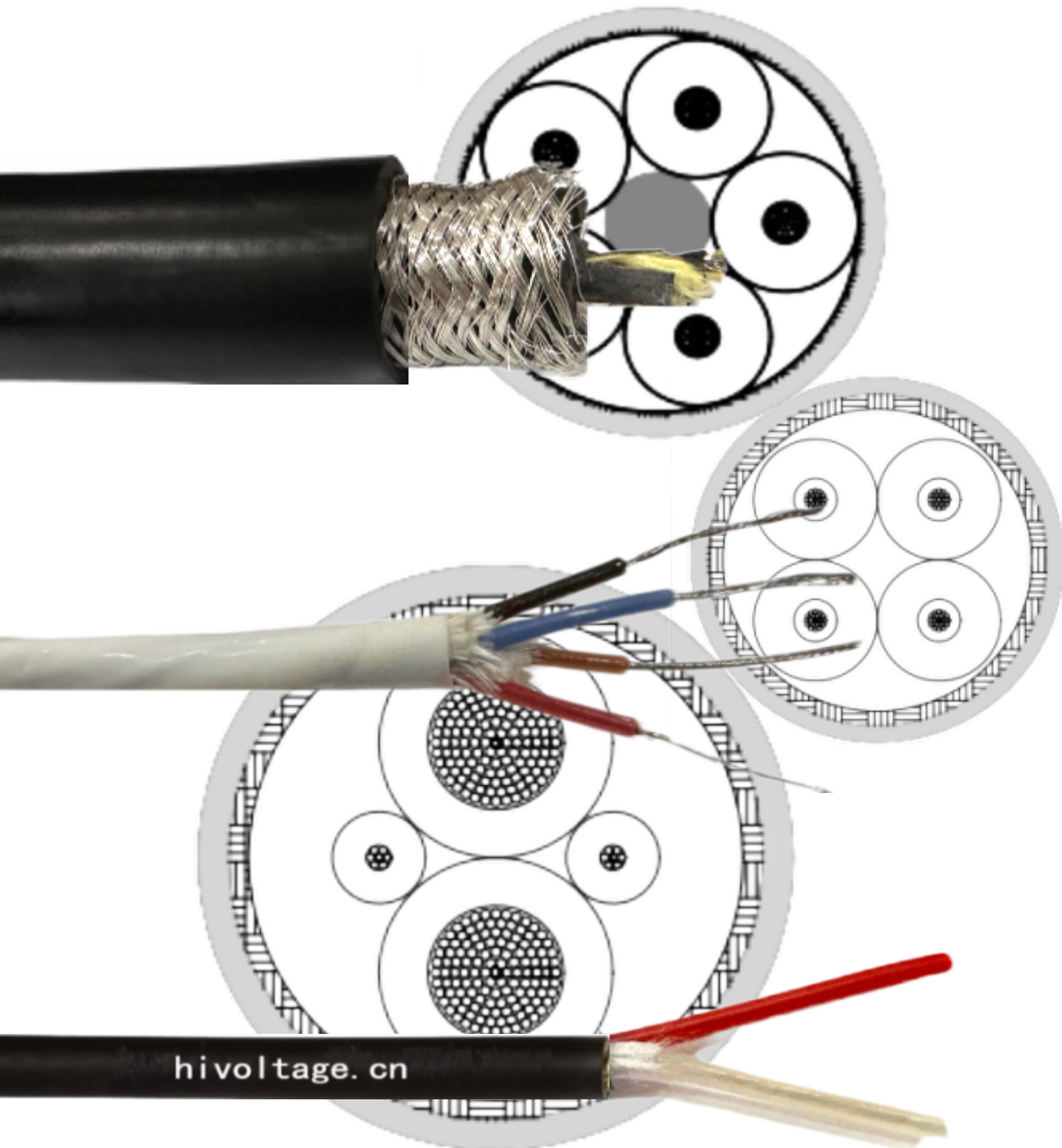


# Multi-core high voltage cables



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## **Multi-core high voltage cables**

Multi-core high voltage cables are cables that contain multiple cores, each of which is designed to carry high voltage electrical power. These cables are typically used in applications where multiple power sources or distribution points need to be connected to a central location.

### **Construction:**

Multi-core high voltage cables typically consist of multiple conductors, insulation, and a protective jacket. The conductors are usually made of copper and are responsible for carrying the electrical current. The insulation is used to prevent electrical leakage and provide mechanical protection. The protective jacket is usually made of a material, such as PVC or polyethylene, and is used to protect the cable from damage and environmental factors. Shield is optional.

### **Application:**

- Power distribution: Multi-core high voltage cables are used to distribute electrical power from a central location to multiple distribution points, such as in a power grid.
- Industrial automation: Multi-core high voltage cables are used in industrial automation applications, such as in robotics and machinery, to power multiple devices from a central control unit.
- Renewable energy: Multi-core high voltage cables are used to transmit electrical power from renewable energy sources, such as wind turbines and solar panels, to a central location for distribution.
- Transportation: Multi-core high voltage cables are used in transportation applications, such as in electric trains and buses, to transmit electrical power from the central power source to multiple motors.

### **Notice:**

- Proper installation: Multi-core high voltage cables should be installed according to the manufacturer's instructions, including ensuring that the cable is properly grounded and that the conductors are separated to prevent electrical interference.
- Electrical safety: Multi-core high voltage cables carry high voltage electrical power, which can be dangerous if not handled properly. It is important to follow proper electrical safety procedures, such as wearing appropriate personal protective equipment and ensuring that the cable is de-energized before handling it.
- Proper maintenance: Multi-core high voltage cables should be periodically inspected and maintained to ensure that they are in good working condition. This includes checking for signs of damage, such as cracks or breaks in the insulation or shielding, and cleaning the cable as needed.