

flexible flat cable|flexible flat ribbon cable use with the continuous development of lifting, transportation, machinery, electrical, mining and other industries, large and medium-sized mobile mechanical devices are also widely used. The flexible flat cable used with it is widely used as a flexible cable for power connection and control signal connection. At the same time, in different occasions and application environments, relatively, higher requirements are put forward for flexible flat cable products.

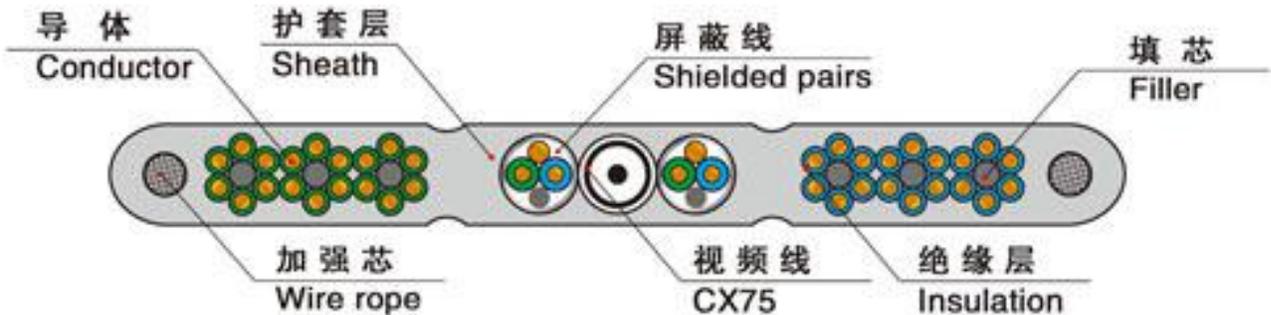
[Anhui Tiankang](#) is a professional manufacturer of flexible flat cables. This article combines the performance of the cable itself and the requirements of the use environment, and recommends the selection of flexible flat cables for you:

flexible flat cable|flexible flat ribbon cable- Common Flat Cable

结构示意图 Schematic diagram of structure



flexible flat cable|flexible flat ribbon cable- Elevator Flat cable



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

- Drag chain flat cable:

That is, it is widely used in the drag chain system, and the flat cable used for reciprocating movement and bending with the operation of the equipment. This type of cable preferably uses materials such as conductors, insulation, sheaths, etc., and optimizes the twisting pitch and twisting method of the cable conductors, so that the cable has high flexibility and bending resistance. It is suitable for drag chains or other portable parts. Cyclic reciprocating movement for bending installation and use.

Anhui Tiankang drag chain flat cable products can also customize and produce shielded drag chain flat cables with shields, which are suitable for occasions and environments with high requirements for anti-electromagnetic interference;

For applications in complex and harsh environments and environments, such as watery, oily, corrosive substances, and high and low temperature changes, Anhui Tiankang can also customize polyurethane sheathed drag chain flat cables.

- YFFB/YFFBG Dingqing sheathed flat cable:

This type of flat cable is used as a power supply connection or control connection cable, and is widely used in large and medium-sized mobile machinery equipment such as cranes, cranes, and conveyors. The cable uses a special modified elastomer nitrile material as the outer sheath material, which is suitable for conventional industrial environments, and its temperature range is $-20\sim+80^{\circ}\text{C}$.

The difference between YFFB flat cable and YFFBG flat cable is that YFFBG flat cable has high-strength galvanized steel wire ropes on both sides. In this regard, Anhui Tiankang Cable specially reminds:

- ◆When the flat cable is arranged in plum blossom type:

1. The free use length is greater than 35M;
2. The running speed is greater than 1.6M/s;

Consideration should be given to adding load-bearing components to the cable. The load-bearing components are generally galvanized steel wire rope or fiber rope such as aramid yarn, etc.

- ◆When the flat cable is arranged in a straight line

1. The free suspension length is greater than 80M;
2. The operating speed is 4.0m/s-10.0m/s;

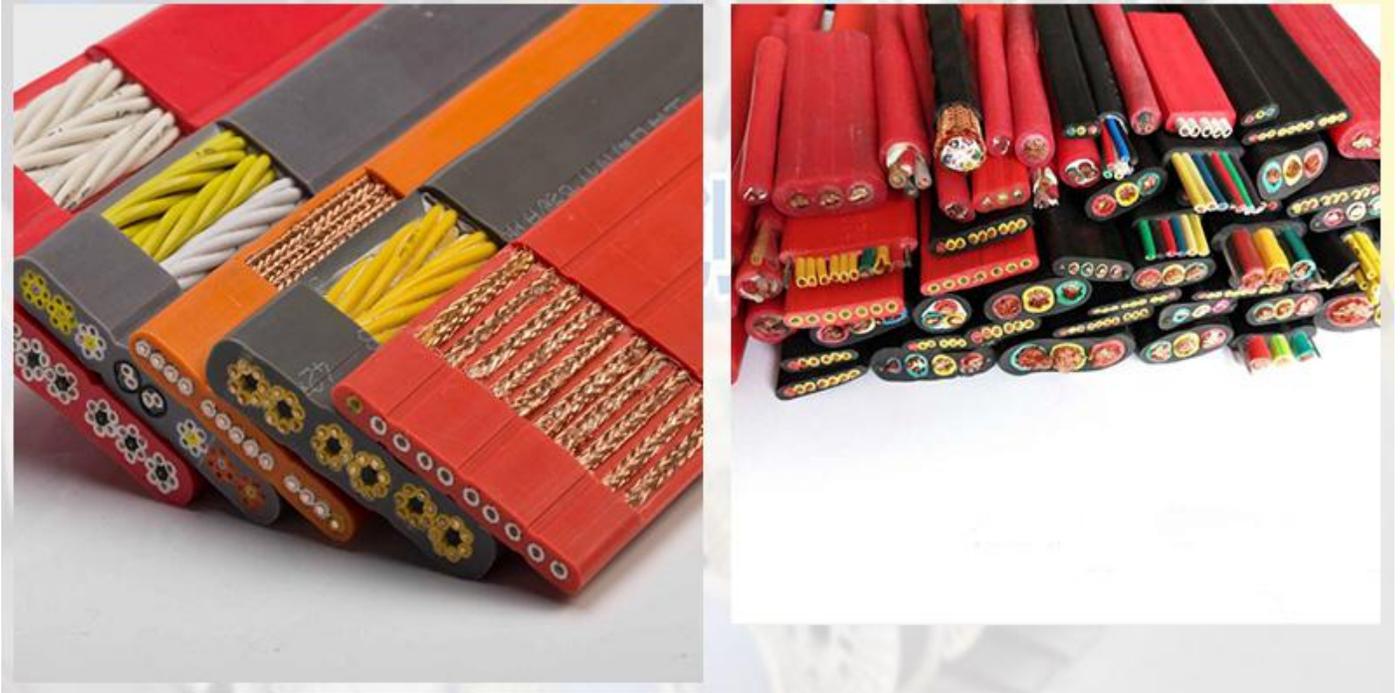
Should consider adding load-bearing components in the cable, the load-bearing components are generally galvanized soft steel wire rope.

- [Polyurethane flat cable](#):

Polyurethane flat cable mainly refers to the flat cable whose outer sheath is made of polyurethane, which can be applied to drag chain flat cable, and can also be applied to large and medium-sized mobile equipment such as mobile cranes and crane cranes. It is widely used in:

1. Highly wear-resistant occasions and environments;
2. Long-term contact or immersion in water environment;
3. Long-term contact or soaking in oily environment, especially mobile use in corrosive oily environment;
4. Other occasions and environments with acid-base salt spray corrosive substances;





Therefore, **flexible flat cable|flexible flat ribbon cable-** polyurethane flat cables are more widely used in complex and harsh occasions and environments, such as ports, docks, construction sites and other occasions and environmental lifting equipment.