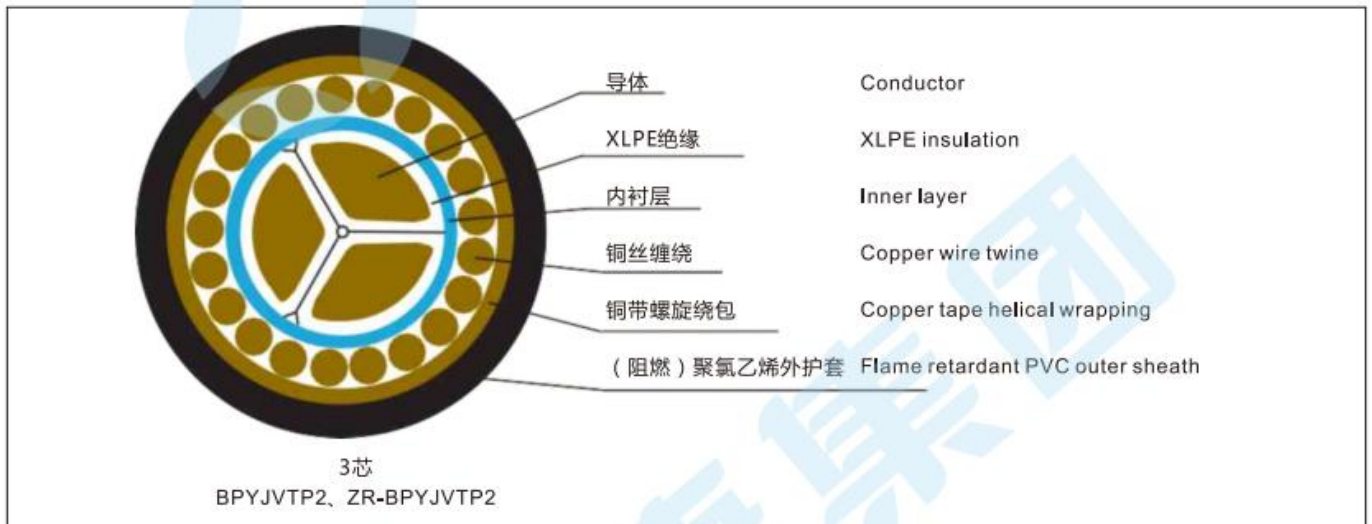


Low voltage VFD Cable CU/XLPE/SH/PVC 0.6/1kV is a cable specially used for frequency converters, which can withstand high frequency current and voltage, and can also ensure the stability and reliability of signal transmission. In the field of industrial automation, frequency conversion cables are widely used in various frequency converter control systems, such as motor control, fan control, water pump control, etc.

Low voltage VFD Cable CU/XLPE/SH/PVC 0.6/1kV structure



The structure of the frequency conversion cable is similar to that of ordinary cables, consisting of conductors, insulating layers, shielding layers, sheaths, etc. Among them, the conductor is the core part of the cable, which carries the transmission of current and signal. The insulating layer is used to isolate the conductor and the shielding layer, which can prevent the interference of current and signal. The shielding layer is used to shield the electromagnetic interference inside the cable and the electromagnetic radiation interference outside. The sheath is used to protect the external environment of the cable and prevent the cable from mechanical damage and chemical corrosion.

Low voltage VFD Cable CU/XLPE/SH/PVC 0.6/1kV common model

型号 Type	名称 Description
BPYJVP(R)	铜芯交联聚乙烯绝缘聚氯乙烯护套铜丝编织屏蔽变频(软)电缆 Frequency converter (flexible) cable with copper core, XLPE insulation, copper wire braid shielding, PVC sheath
BPYJVP2(R)	铜芯交联聚乙烯绝缘聚氯乙烯护套铜带绕包屏蔽变频(软)电缆 Frequency converter (flexible) cable with copper core, XLPE insulation, copper tape wrapped shielding, PVC sheath
BPYJVTP2	铜芯交联聚乙烯绝缘聚氯乙烯护套铜丝缠绕+铜带绕包屏蔽变频电缆 Frequency converter cable with copper core, XLPE insulation, copper wire twine plus copper tape wrapped shielding, PVC sheath
BPYJVPP3(R)	铜芯交联聚乙烯绝缘聚氯乙烯护套铜丝编织屏蔽+铝箔绕包屏蔽变频(软)电缆 Frequency converter flexible cable with copper core, XLPE insulation, AL. polyester wrapped plus copper wire braided shielding, PVC sheath
BPYJVP1P3(R)	铜芯交联聚乙烯绝缘聚氯乙烯护套镀锡丝编织屏蔽+铝箔绕包屏蔽变频(软)电缆 Frequency converter flexible cable with copper core, XLPE insulation, AL. polyester wrapped plus copper tape wrapped shielding, PVC sheath
BPYJVPP2(R)	铜芯交联聚乙烯绝缘聚氯乙烯护套铜丝编织屏蔽+铜带绕包变频(软)电缆 Frequency converter flexible cable with copper core, XLPE insulation, copper wire braided plus copper tape wrapped shielding, PVC sheath
BPYJVP1P2(R)	铜芯交联聚乙烯绝缘聚氯乙烯护套镀锡丝编织屏蔽+铜带绕包变频(软)电缆 Frequency converter flexible cable with copper core, XLPE insulation, tinned copper wire braided plus copper tape wrapped shielding, PVC sheath

Low voltage VFD Cable application

Frequency conversion cables are mainly used in frequency converter control systems, such as motor control, fan control, water pump control, etc. In these applications, frequency conversion cables can ensure the stability and reliability of current and signal transmission, thereby improving the operating efficiency and production efficiency of equipment. In addition, frequency conversion cables can also be used to replace power cables to improve the efficiency and stability of power transmission.

Low voltage VFD Cable Standard sizes

1、BPYJVP、BPYJVTP2、BPYJVP2, 3+1芯;

1.BPYJVP、BPYJVTP2、BPYJVP2、3+1 cores.

规格 Specification	近似外径 mm Approximate OD	重量 kg/km Weight	电缆载流量 A Current-loading capacity of cable
3×4+1×2.5	16.0	334	34
3×6+1×4	17.3	430	45
3×10+1×6	20.2	627	53
3×16+1×10	22.7	833	84
3×25+1×16	27.4	1308	109
3×35+1×16	28.9	1718	132
3×50+1×25	30.2	3059	159
3×70+1×35	32.8	3445	195
3×95+1×50	34.9	4172	237
3×120+1×70	39.6	5055	274
3×150+1×70	44.2	5410	310
3×185+1×95	48.5	7062	355
3×240+1×120	54.6	9811	416

2、BPYJVPR、BPYJVP2R、BPYJVPP2R、BPYJVP1P

2.BPYJVPR、BPYJVP2R、BPYJVPP2R、BPYJVP1P2R, 3+2R, 3+3芯;

规格 Specification	近似外径 mm Approximate OD	重量 kg/km Weight	电缆载流量 A Current-loading capacity of cable
3×2.5+3×0.5	12.5	232	26
3×4+3×0.75	14.0	330	34
3×6+3×1.0	5.4	422	45
3×10+3×1.5	19.6	621	53
3×16+3×2.5	22.7	820	84
3×25+3×4	28.0	1310	109
3×35+3×6	29.4	1723	132
3×50+3×10	36.3	3075	159
3×70+3×10	40.0	3454	195
3×95+3×16	45.5	4180	237
3×120+3×16	50.4	5100	274
3×150+3×25	55.5	5432	310
3×185+3×25	60.6	7098	355
3×240+3×35	69.0	10221	416

The difference between frequency conversion cable and power cable

The difference between frequency conversion cables and power cables is mainly in their use and structure. Power cables are mainly used to transmit electricity, and their structures are relatively simple, usually only having conductors, insulating layers and sheaths. The frequency conversion cable is specially used in the frequency converter control system, and its structure is relatively complex, usually including conductors, insulation layers, shielding layers and sheaths. In addition, frequency conversion cables also need to withstand high-frequency current and voltage, so the materials and thicknesses of their conductors and insulating layers are also different.

Low voltage VFD Cable CU/XLPE/SH/PVC 0.6/1kV is a cable specially used in the frequency converter control system. It can withstand high frequency current and voltage, and can also ensure the stability and reliability of signal transmission. In the field of industrial automation, frequency conversion cables are widely used in various frequency converter control systems, such as motor control, fan control, water pump control, etc.