



VFD Cable

Flexible EMC LSZH screened cable for Variable Frequency Drives (VFD cables)

Variable-frequency drives (VFDs) are used to control the frequency and voltage of an AC motor and yield additional performance and energy savings.

VFD cable is specifically engineered to carry power from the drive system to the motor and has been proven to extend motor life, improve efficiency, and avoid costly downtime.

It's important to note that downtime and regular maintenance can be avoided and is often the result of the wrong cable placing excessive stress on the motor.

1. The Right VFD Cable Can Prevent Premature Motor Failure

VFD systems are subject to harsh operating environments characterized by high voltage spikes and high levels of radiated noise.

How will using the wrong cable affect your motors? VFD outputs can cause a non-VFD cable to broadcast noise that can affect nearby devices. Commonly used alternative products such as unshielded control or power cables are not suited for this application and can cause your motors to fail prematurely. These failures can cause downtime, productivity loss, and the need for new equipment, which is often very expensive.

2. The Right VFD Cable is a Safer Choice

Proper insulation and robust shielding are critical in preventing unwanted interaction between systems. When selecting VFD cable, you should look for XLPE insulation because it can withstand voltage and heat significantly better than generic control or tray cable as well as dual shielding to prevent EMI/RF signal loss.

3. The Right VFD Cable Ultimately Reduces Costs

When considering costs, the initial investment in VFD cable can be more expensive than the investment in a non-VFD cable. However, the upfront investment can provide greater savings in the long run. Proactively installing high-performance VFD cable can prevent these costly incidents.

Based on case studies, a proper VFD cable and installation may increase motor life by 250 percent. They significantly reduce stress on the motor, increasing the mean time between failures to five years or more.

Detailed specifications can be found on our website or by clicking the link [Here](#)



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T: 01279 871150 | F: 01279 871129 | E: sales@belcom.co.uk | www.belcom.co.uk