



LUTZE DRIVEFLEX® Cable for VFD and Motor Applications

- Fully compliant with new requirements in 2018 NFPA 79
- Designed to cope with the power distortions in VFD applications
- UL listed type “Flexible VFD Servo Cable, Flexible Motor Supply Cable” to comply with codes and standards regarding electrical wiring of VFDs

Why VFD cable?

LUTZE DRIVEFLEX® cables are safer and more efficient compared with traditional PVC/Nylon power tray cables or THHN wires in conduit. DRIVEFLEX® XLPE insulation has very low capacitance, high impedance and high voltage breakthrough resistance. XLPE insulation is the superior choice for VFD applications with pulse width modulation (PWM) to cope with high voltage spikes and power distortions from the VFD output. Shielded VFD cables can help to mitigate electrical noise, thus decreasing shaft voltage and motor bearing failures.



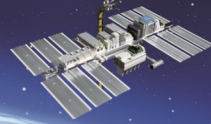
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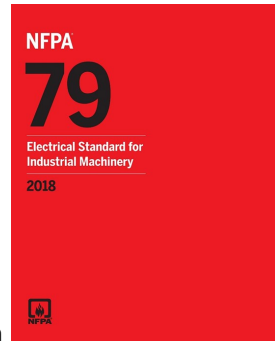


Changes to VFD wiring requirements in 2018 NFPA 79

What has changed in NFPA 79?

The 2018 version of the standard includes a change to Article 4.4.2.8 which includes **two new requirements** for wiring on the output of VFDs:

- Cable shall be marked RHH, RHW, RHW-2, XHH, XHHW, or XHHW-2
- Cable shall be listed flexible motor supply cable



Who does this change affect?

This change has the greatest impact on machine builders and other OEMs that use VFDs on NFPA 79 compliant machinery. End users that retrofit applications with VFDs and want to maintain plant compliance will also be affected by the change.

How can you ensure compliance?

If you use LUTZE DRIVEFLEX® cables there's no need to worry. All DRIVEFLEX® cables are made with XLPE insulation of type XHHW-2 or RHW-2, depending on the series, and are fully compliant with the new NFPA 79 requirements. Contact LUTZE today if you have any questions about this change and how you may be affected.

