Variable Frequency Drive

Select from Custom and Composite Constructions for Severe Duty VFD Applications.

Designed and manufactured to withstand harsh electrical and mechanical environments, our custom engineered solutions meet or exceed VFD, UL and CSA standards and CE Mark approval.

Consistent electrical performance

Select from constructions that utilize materials specifically designed to withstand the typical voltage spikes that occur when power voltage peaks align with standing wave peaks. PVC or semi-rigid PVC alternative materials are better suited to control electricals. **Benefits of improved system performance include:**

- Lower capacitance
- Lower operating temperatures
- Longer length cables
- Consistent performance during spikes
- Custom configured mechanical solutions

Select from high flex options, several jacket materials, shielding and custom composite constructions for optimal mechanical performance.

Longer life, high flex options are easier to install:

- High strand count, material and construction options are available to increase flex life and durability

Choose from a variety of materials for optimal oil and sunlight resistance, high temperature and low temperature bend and impact performance:

- PVC
- TPE
- TPU

Robust shielding protects your data in noisy environments:

- Low resistance to ground offers strong protection against low frequency interference
- Combine braided shielding and aluminized wraps for high optical coverage of 85% or better for optimal EMI/RFI coverage

Advantages of custom composite signal and power constructions include:

- Cost competitive
- Easy installation
- Several separate cables are configured into one smaller solution

Built to suit your VFD requirements, a variety of UL and CSA AWM approved listings are available:

UL 1277 Tray Cable

- 600V | 2 or more conductors
- 105°C
- Exposed Run and Direct Burial options
- Compliant to NEC® Article 336 and ANSI

UL 2277 Flexible Motor Supply Cable and Wind Turbine Tray Cable

- 1000V | 2 or more conductors
- 90°C
- Sunlight and Oil Resistant I or II options

UL 2250 Instrumentation Tray Cable

- 150V | 2 or more conductors | 5 Amps
- 105°C
- Exposed Run and Direct Burial options
- Compliant to NEC® Article 727

UL 13 Power-Limited Tray Cable

- 300V | 2 or more conductors
- Exposed Run and Direct Burial options
- Compliant to NEC® Article 725