



SHAWFLEX WIRE AND CABLE

Ensure electrical and mechanical reliability with the engineered products and solutions of Shawflex Wire and Cable.

Electrical Wire and Cable

Our experts work with your engineers to directly address your operation's unique technical challenges. The result? Innovative cable solutions—from power, control and instrumentation to custom composite cable designs—manufactured to your exact specifications, tested to the highest industry standards, and proven to deliver reliable connectivity for the long term.

Tray Cable (TC)

600, 1000 & 2000 V, 18 AWG to 1000 kcmil

Insulations	RFH-2 FR XLPE or EPR 90°C dry/wet XHHW-2 FR XLPE or EPR 90°C dry/wet RHW-2 FR XLPE or EPR 90°C dry/wet THHN/THWN PVC Nylon 90°C dry/75°C wet
Jackets	FR PVC 90°C to -25°C FR PVC 90°C to -40°C Thermoplastic CPE 90°C to -25°C Thermoset CPE 90°C to -25°C Low smoke zero halogen 90°C to -25°C
Approvals	UL 1277 Flame tests to IEEE 1202/FT4, UL 1685 Hazardous locations: Class I Division 2 (Zone 2); Class II Division 2 (Zone 22) Exposed runs "ER"

Note: Bonding conductors are optional.

Instrumentation/Thermocouple (PLTC/ITC)

300 V, 22 AWG to 12 AWG

Insulations	PVC 105°C dry/60°C wet FR XLPE 105°C dry/60°C wet
Jackets	FR PVC 90°C to -25°C FR PVC 105°C to -40°C Thermoplastic CPE 90°C to -25°C Thermoset CPE 90°C to -25°C Low smoke zero halogen 75°C to -25°C
Armors	Steel interlocked armor Aluminum interlocked armor Galvanized steel served wire armor
Approvals	UL 13 UL 2250 Flame tests to IEEE 1202/FT4, UL 1685 Hazardous locations: Class I Division 2 (Zone 2); Class II Division 2 (Zone 22) Exposed runs "ER" with CPE jackets

VFD (Variable Frequency Drive) Cable (TC)

600, 1000 & 2000 V, 14 AWG to 1000 kcmil

Insulations	XHHW-2 FR XLPE or EPR 90°C dry/wet RHW-2 FR XLPE or EPR 90°C dry/wet
Jackets	FR PVC 90°C to -25°C FR PVC 90°C to -40°C Thermoplastic CPE 90°C to -25°C Thermoset CPE 90°C to -25°C Low smoke zero halogen 90°C to -25°C
Approvals	UL 1277 Flame tests to IEEE 1202/FT4, UL 1685 Hazardous locations: Class I Division 2 (Zone 2); Class II Division 2 (Zone 22) Exposed runs "ER"

Note: VFD Cables are also available with interlocked armor. Trisectional grounds and helically applied copper tape shield.

Metal Clad (MC) Armored Cables

600, 1000 & 2000 V, 18 AWG to 2000 kcmil

Insulations	XHHW-2 FR XLPE 90°C dry/wet RHW-2 FR XLPE 90°C dry/wet THHN/THWN PVC Nylon 90°C dry/75°C wet
Jackets	FR PVC 90°C to -25°C FR PVC 90°C to -40°C Thermoplastic CPE 90°C to -25°C Thermoset 90°C to -25°C Low smoke zero halogen 90°C to -25°C
Armors	Steel interlocked armor Aluminum interlocked armor
Approvals	UL 1569 Flame tests to IEEE 1202/FT4, UL 1685 Hazardous locations: Class I Division 2 (Zone 2); Class II Division 2 (Zone 22)

Available Shielding Options

- Aluminum or copper Mylar
- Longitudinally applied corrugated copper tape
- Helically applied copper tape
- Braid shield

Other Available Cable Types

- Marine & Shipboard
- IEC: XLPE, HF90, LSZH
- Foundation FieldBus
- Utility Substation (ICEA/NEMA)
- Vertical mineshaft & Hi-tensile strength
- Cathodic protection
- Traffic signal
- Transit
- Building wire
- Composite
- Nuclear Rated