

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.

Power & Control Tray Cable (TC) 300, 600, 1000 & 2000 V, 14 AWG to 2000 kcmil

Insulations	PVC 90°C dry/60°C wet FR XLPE 105°C dry/90°C wet	
Jackets	FR PVC 90°C to -40°C Low smoke zero halogen 90°C to -25°C	
Approvals	CSA C22.2 No. 38 CSA C22.2 No. 239 CSA C22.2 No. 230 Exposed runs "ER"	Hazardous locations: Class I Division 2 (Zone 2) Class II Division 2 (Zone 22)

Note: Multi-conductor cables are provided with a bonding conductor. Also available in instrumentation conductor sizes.

Armoured & Unarmoured Instrumentation & Thermocouple (A)CIC 300, 600 & 1000 V, 22 AWG to 16 AWG

Insulations	PVC 90°C dry/60°C wet XLPE 105°C dry/90°C wet	
Jackets	FR PVC LAG 90°C to -40°C Low smoke zero halogen 90°C to -40°C	
Armours	Steel interlocked armour Aluminum interlocked armour Galvanized steel served wire armour	
Approvals	CSA C22.2 No. 239 CSA C22.2 No. 174	Hazardous locations: Class I Division 1 & 2 (Zone 0, 1, 2) Class II Division 1 & 2 (Zone 20, 21, 22)

Note: Also available in control conductor sizes.

Transit Cable 300, 600, 1000, 2000 & 5000 V, 22 AWG to 2000 kcmil

Insulations	EPR, 90°C Wet/Dry XLPE, 105°C Dry/ 90°C Wet	
Jackets	Thermoplastic Low Smoke Halogen Free (LSHF) Thermoset Low Smoke Halogen Free (LSHF) Thermoset CPE HMW LLDPE	
Approvals	CSA C22.2 No. 38 CSA C22.2 No. 239 CSA C22.2 No. 230 CSA C22.2 No. 131 CSA C22.2 No. 174 CSA FT4-ST1	AREMA Part 10.3.16 AREMA Part 10.3.17 CP-100 NFPA 130

Note: Other cable constructions are available based on project specifications.

Available Shielding Options

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

Teck 90 Cable 600, 1000 & 5000 V, 14 AWG to 2000 kcmil

Insulations	XLPE 105°C dry/90°C wet	
Jackets	FR PVC LAG 90°C to -40°C Low smoke zero halogen 90°C to -40°C	
Armours	Steel interlocked armor Aluminum interlocked armor	
Approvals	CSA C22.2 No. 131 CSA C22.2 No. 174	Hazardous locations: Class I Division 1 & 2 (Zone 0, 1, 2) Class II Division 1 & 2 (Zone 20, 21, 22)

Note: Copper Shielding is available for 5kV TECK 90.

Variable Frequency Drive (VFD) Cable 600, 1000 & 2000 V, 12 AWG to 2000 kcmil

Insulations	XLPE 105°C dry/90°C wet	
Jackets	FR PVC LAG 90°C to -40°C Low smoke zero halogen 90°C to -40°C	
Armours	Aluminum interlocked armour Steel interlocked armour	
Shielding	Helical Copper Tape (standard) Tinned Copper Braid	
Approvals	CSA C22.2 No. 131 CSA C22.2 No. 174 CSA C22.2 No. 38	CSA C22.2 No. 230 CSA FT4

Note: Also available in unarmoured constructions (i.e. Type TC).

Safe-T-Ground 600, 1000 & 2000 V, 8 AWG to 2000 kcmil

Insulations	XLPE 105°C dry/90°C wet	
Jackets	FR PVC 90°C to -40°C	
Approvals	CSA C22.2 No. 38 CSA C22.2 No. 230 (1/0 AWG and larger) CSA FT4 UV sunlight resistant "SUN RES"	

Note: Type TC rated in conductors sizes 1/0 AWG and larger.

Other Available Cable Types

- Nuclear Rated (EQ)
- Vertical mineshaft & Hi-tensile strength
- RW90 & RWU90
- Cathodic protection
- Foundation FieldBus
- Traffic signal
- Composite
- RPV & RPVU photovoltaic
- Marine & Shipboard
 - IEC: XLPE, HF90, LSZH
- Utility Substation