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SERVING THE PETROLEUM
AND CHEMICAL MARKETS

- instrumentation cables
- power cables
- control cables
- fiber optic cables

application and product cross-reference

Products	Product Features	Temperature Range	Installation Conditions	Ratings
Arctic-Flex™ CSA & UL TYPE TC	Extreme Cold Temperature Type TC Cable Meets CSA Cold Impact Test at -40°C Meets CSA and ICEA Cold Bend Tests at -65°C	-65°C to +90°C	Per NEC Articles 500-505 Class I, Div. 2 Class II, Div. 2 Per CEC Rules 18-156 & 18-252 Class I, Zone 2 Class II, Div. 2	IEEE-383 IEEE-1202 CSA FT 4 UL 1277 CSA, C22.2 No 230
CVTC™ UL TYPE TC (see footnote 1)	Standard Type TC Cable Standard Industrial Conditions	-25°C to +90°C	Per NEC Articles 500-505 Class I, Div. 2 Class II, Div. 2	IEEE-383 IEEE-1202 CSA FT 4 UL 1277
Duralox® UL TYPE MC	Interlocked Aluminum or Galvanized Steel Armored Cable Excellent Crush & Impact Properties	600V: -40°C to +90°C 5kV-35kV: -40°C to +105°C	Per NEC Articles 500-505 Class I, Div. 2 Class II, Div. 1 & 2 Class III, Div. 1 & 2	IEEE-383 IEEE-1202 CSA FT 4 UL 1569 UL 1581
DuraSheath® UL RHH/RHW-2/USE-2 (600V) UL RHH/RHW-2 (600V & 2kV) MV-90 (5kV unshielded)	Rugged Single Conductor Power Cable Severe Industrial Conditions	-35°C to +90°C	Per NEC Articles 500-505 Class I, Div. 2 1/0 AWG listed and marked “Sunlight Resistant FOR CT USE”	1/0 AWG IEEE-383 for CT USE IEEE-1202 CSA FT 4 UL 1581 VW-1(600V)
FREP® UL TYPE TC	Premium Type TC Cable Superior Chemical & Oil Resistance	-35°C to +90°C	Per NEC Articles 500-505 Class I, Div. 2 Class II, Div. 2	IEEE-383 IEEE-1202 CSA FT 4 UL 1277
Philsheath® UL TYPE MC or MC-HL (see footnotes 2 and 3)	Continuously Welded Corrugated Aluminum Armored Cable Hazardous Locations Excellent Crush & Impact Properties Moisture & Gas Impervious	600V: -50°C to +90°C 5kV-35kV: -50°C to +105°C	Per NEC Articles 500-505 Class I, Div. 1 Class II, Div. 1 Class II, Div. 2 Class III, Div. 1 & 2	IEEE-383 IEEE-1202 CSA FT 4 UL 1072 UL 1569 UL 2225
Polyrad® XT 125 Marine UL/IEC/IEEE TYPE P Marine Shipboard Cable Onshore/Offshore Oil Exploration Cable	IEEE-45 Type P Cable for Oil Exploration Applications Superior Flexibility Offers Resistance to Synthetic Drilling Fluids Smaller & Lighter 110°C Temperature Rated Cable Superior Physical, Chemical & Environmental Properties	-65°C to +110°C	Per IEEE-45/IEEE-1580 Marine Shipboard Cable Onshore/Offshore Oil Exploration Cable	IEEE-45/IEEE-1580 IEEE-383 IEEE-1202 CSA FT 4 UL 1309/CSA, C22.2 No 245
TECK90/VERTITECK®* CSA TECK90	Interlocked Aluminum or Galvanized Steel Armored Cable Excellent Moisture, Crush & Impact Properties *Excellent for Vertical Installations	-40°C to +90°C	Per CSA HL Hazardous Location Rating	IEEE-383 IEEE-1202 CSA FT 4 ICEA T-30-520 CSA, C22.2 No 131 & 174
HVTECK CSA HVTECK	Interlocked Aluminum or Galvanized Steel Armored Cable Excellent Moisture, Crush & Impact Properties	-40°C to +105°C	Per CSA HL Hazardous Location Rating	IEEE-383 IEEE-1202 CSA FT 4 ICEA T-29-520 ICEA T-30-520 CSA, C68.3 & C22.2 No 174
Uniblend® UL TYPE MV-105	Medium-Voltage Power Cable Suitable for Industrial Conditions in a Wide Variety of Environments and Applications	-35°C to +105°C	Per NEC Articles 500-505 Class I, Div. 2 Class II, Div. 2 1/0 AWG listed and marked “Sunlight Resistant FOR CT USE”	1/0 AWG IEEE-383 FOR CT USE IEEE-1202 CSA FT 4 UL 1072 UL 1581 ICEA T-29-520
UniShield® UL TYPE MV-105	Single Conductor Medium-Voltage Power Cable Smallest, Premium Medium-Voltage Power Cable in the Industry	-55°C to +105°C	Per NEC Articles 500-505 Class I, Div. 2 1/0 AWG listed and marked “Sunlight Resistant FOR CT USE”	1/0 AWG IEEE-383 FOR CT USE IEEE-1202 CSA FT 4 UL 1072 UL 1581 ICEA T-29-520

1. CVTC™ and VNTC® product lines can be manufactured to include the optional “Open Wiring” designation in accordance with NEC Article 340-4(6)

2. UL CWCMC (Continuously Seam Welded Corrugated Metal Clad) Pending Listing for Type MC-HL

3. Philsheath® 3 conductor / 3 ground power cable is the preferred product for industrial AC Drive / VFD applications



General Cable serves customers through a global network of 36 manufacturing facilities in nine countries and through sales representatives and distribution centers worldwide.



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