

PRODUCT UPDATE

MINE SHAFT CABLES

SHAWFLEX OFFERS 2 MAJOR TYPES OF MINE SHAFT CABLES:



EACH OF THESE CABLE TYPES ARE AVAILABLE IN POWER, CONTROL, INSTRUMENTATION AND COMPOSITE CABLE CONSTRUCTIONS, FOR USE IN VERTICAL SHAFTS AND BOREHOLES.

FEATURES

- Impact strength
- Crush resistant
- Tensile strength (Served wire armour)
- Flame Retardant (FT4/IEEE 1202)
- -40C Rated
- LSZH Jacket Available

APPLICATIONS

- Typical vertical installations include:
 - Mine Shafts
 - Tall Commercial Buildings
 - Inclined Tunnels
 - Vertical Cable Trays
- Exposed & concealed wiring in dry, damp or wet locations
- For use in ventilated, non-ventilated & ladder-type cable trays in dry, damp, or wet locations
- Direct earth burial
- For wiring in all hazardous locations (Verlok®)

APPROVALS

- UL 1685 and IEEE 1202/FT4 Vertical Tray Flame Tests (70,000 BTU/hr)
- Hazardous location rating: HL (applies to interlock armored cable only)
- CSA Standard C22.2 No. 131 Teck 90 Cable and No. 174 Cables for Use in Hazardous Locations (applies to Interlock Armored cable only)
- CSA Standard C22.2 No. 239 Control & Instrumentation Cable
- UL Standard 1569 MetalClad Cable (applies to Interlock Armored cable only)
- UL Standard 13 Power Limited Tray Cable and 2250 Instrumentation Tray Cable
- Wet Rated (90C Wet/105C dry) (XLPE only)
- Wet Rated (75C Wet/105C dry) (PVC only)



MINE SHAFT CABLES

	SERVED WIRE ARMOUR	VERLOK®
CHARACTERISTICS:		
FLAME RETARDANT (FT4/IEEE 1202)	✓	✓
SUNLIGHT RESISTANT	✓	✓
WET RATED	✓	✓
-40 COLD IMPACT	✓	✓
DIRECT BURIAL	✓	✓
CRUSH & IMPACT RESISTANT	✓	✓
VOLTAGE RATINGS:		
300V (UL & CSA)	UL & CSA	UL & CSA
600V (UL & CSA)	CSA	UL & CSA
1000V (CSA)	CSA	CSA
2000V (UL)	-	UL
GAUGE SIZES:		
300V (UL & CSA)	22 AWG - 14 AWG	22 AWG - 14 AWG
600V (UL & CSA)	18 AWG - 750 KCMIL	18 AWG - 750 KCMIL
1000V (CSA)	14 AWG - 750 KCMIL	14 AWG - 750 KCMIL
2000V (UL)	14 AWG - 750 KCMIL	14 AWG - 750 KCMIL
ARMOURING OPTIONS:		
ALUMINUM INTERLOCK ARMOUR	-	✓
STEEL INTERLOCK ARMOUR	-	✓
STEEL WIRE SERVED ARMOUR	✓	-
JACKETING OPTIONS:		
PVC JACKET	✓	✓
PVC LAG JACKET	✓	✓
LSZH JACKET	✓	✓
CPE JACKET	✓	✓
RIBBED INNER JACKET	-	✓
INSULATION OPTIONS:		
XLPE INSULATION	✓	✓
PVC INSULATION	✓	✓
SHIELDING OPTIONS:		
ISOS ALUMINUM MYLAR	✓	✓
OTHER FACTORS		
EASE OF INSTALLATION	BETTER	GOOD
SELF SUPPORT LENGTH	BETTER	GOOD
COST	BETTER	GOOD
WEIGHT	BETTER	GOOD