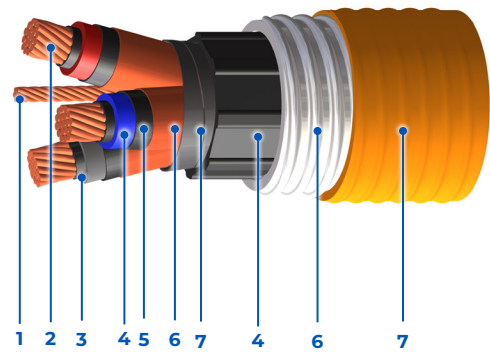


# CSA Riser TECK 90 Armoured Mineshaft Cables, 5000 V, Shielded

Riser TECK 90 cables are designed for vertical applications to prevent cable core slippage and are suitable for use in mineshaft and for environments that require self-supporting lengths. Typically used in Mining, Utilities, Industrial and Commercial applications.

## Standards:



- |                                                      |                                            |
|------------------------------------------------------|--------------------------------------------|
| 1 – Grounding/Bonding Conductor                      | 6 – Copper Tape Shield                     |
| 2 – Strand Bare (ASTM B8) Annealed Copper Conductors | 7 – Cloth Backed Rubberized Separator Tape |
| 3 – Semicon Conductor Shield                         | 8 – Inner Ribbed Jacket                    |
| 4 – XLPE (RW90 Rated) Insulated Conductors           | 9 – Steel Interlocked Armour (SIA)         |
| 5 – Semicon Insulation Shield                        | 10 – FR LAG PVC Outer Protective Jacket    |

## Product Construction

### Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

### Armour:

- Steel Interlocked Armour (SIA) (standard)
- Aluminum Interlocked Armour (AIA) (optional)
- Served Wire Armour (SIA) (optional)

### Jacket:

- FR LAG PVC (AG14 rated) outer black jacket rated: 90°C to -40°C

### Available in:

- Variable Frequency Drive (VFD)
- Custom colour coding
- Custom insulation/jacket colours
- Composite constructions
- Aluminum conductors
- Single conductor

## Certification/Compliances

- CSA C22.2 NO. 131, Teck 90 Cables (Teck 90)
- CSA C22.2 NO. 174, Cables & Cable Glands for use in Hazardous Locations
- CSA C22.2 NO. 38, Thermoset Insulated Wires & Cables (XLPE)
- CSA FT4, UL 1685 FT4, Vertical Tray Flame Test rated
- IEEE 383 & 1202 (70,000 BTU/hr), Vertical Flame Test rated
- ICEA T-30-520 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- -40°C cold bend/impact rated
- HL rated for use in hazardous locations:
  - Class I Zone 1 (Div 1)
  - Class I Zone 2 (Div 2)
  - Class III Zone 20, 21 (Div 1)
  - Class II Zone 22 (Div 2)

## 5000 V

### Voltage

Optional:  
300/600/1000 V

### Color Coding

- 2C – Black & white
- 3C – Black, red & blue
- 4C – Black, red, blue & white
- 5C to 50C – Black # coded

## CSA Type Teck 90

Mineshaft/Riser

# CSA Riser TECK 90 Armoured Mineshaft Cables, 5000 V, Shielded

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	GROUND WIRE SIZE	OD OVER INNER JACKET	NORMAL DIAMETERS		CABLE WEIGHT	AMPACITY	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)	SELF SUPPORT LENGTH
					OVER ARMOUR	OVERALL CABLE					
		AWG/ kcmil	AWG/ kcmil	in/mm	in/mm	in/mm	lbs/1000ft kg/km	30°C ambient	lb/kg	in/mm	ft/m
8S110M1/034570V	3	1/0	6	1.573 / 40.0	1.983 / 50.4	2.091 / 53.1	3786 / 5634	170	2534 / 1150	38 / 956	603.5 / 184
8S110M2/034570V	3	2/0	6	1.666 / 42.3	2.076 / 52.7	2.184 / 55.5	4230 / 6294	195	3194 / 1449	39 / 998	676.2 / 206
8S110M3/034570V	3	3/0	4	1.835 / 46.6	2.245 / 57.0	2.353 / 59.8	4976 / 7406	225	4007 / 1818	42 / 1076	728.6 / 222
8S110M4/034570V	3	4/0	4	1.956 / 49.7	2.366 / 60.1	2.498 / 63.4	5701 / 8484	260	5078 / 2304	45 / 1142	801.8 / 244
8S110M25036570V	3	250	4	2.076 / 52.7	2.486 / 63.1	2.618 / 66.5	6251 / 9302	290	6000 / 2722	47 / 1197	868.5 / 265
8S110M35036570V	3	350	3	2.297 / 58.4	2.707 / 68.8	2.839 / 72.1	7712 / 11476	350	8400 / 3810	51 / 1298	987.8 / 301
8S110M50036570V	3	500	3	2.573 / 65.3	3.045 / 77.4	3.191 / 81.1	8895 / 13237	430	12000 / 5443	57 / 1459	1220.3 / 372
8S110M75036570V	3	750	2	3.035 / 77.1	3.507 / 89.1	3.653 / 92.8	12357 / 18390	535	18000 / 8165	66 / 1670	1322.1 / 403

\*Ampacity value based on Canadian Electrical Code, Version 2018, Table-2.