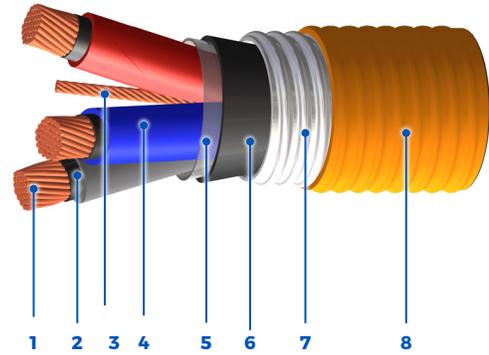


# CSA Type TECK 90 Armoured Power, Multi-Conductor, 5000 V, Unshielded

Armoured power cable is used to supply power for lighting, drives, motors and pumps. Interlocked armour replaces the use of conduit for mechanical protection. Cable can be directly buried, installed in raceways, including cable tray in wet or dry environments. Cable is suitable for use in outdoor exposed applications and is rated for damp or dry locations in -40°C (-40°F) environments.

## Standards:



- |  |  |
|--|--|
| 1 - Stranded Bare Copper Conductors (Tin-coated Available) | 5 - Polyester Separator Tape           |
| 2 - Bonding Conductor                                      | 6 - FR LAG PVC Inner Protective Jacket |
| 3 - Semiconducting Conductor Shield                        | 7 - Aluminum Interlocked Armour (AIA)  |
| 4 - XLPE (RW90 Rated) Insulated Conductors                 | 8 - FR LAG PVC Outer Protective Jacket |

## Product Construction

### Conductor Shield:

- Extruded, concentric, thermoset semiconducting material

### Insulation:

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

### Armour:

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

### Jacket:

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

### Available in:

- Variable Frequency Drive (VFD)
- Ribbed inner-jacketed core for vertical/mineshaft applications
- Custom insulation/jacket colours
- Composite constructions
- Aluminum conductors

## Certification/Compliances

- CSA C22.2 No. 131, Type TECK 90 cable
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (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:
  - Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
  - Zone 1 (Class I, Division 1), Zone 2 (Class I, Division 2)
  - Zone 20 & 21 (Class II & III, Division 1), Zone 22 (Class II & III, Division 2)

## 5000 V, unshielded

### Voltage

## CSA Type TECK 90

### Power

## Colour Coding

- 2C - Black & white
- 3C - Black, red & blue
- 4C - Black, red, blue & white
- 5C and greater - Black, number-coded with white ink

# CSA Type TECK 90 Armoured Power, Multi-Conductor, 5000 V, Unshielded

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG or kcmil	AWG	in.   mm	in.   mm	in.   mm	lbs/1000ft kg/km	30°C ambient	lb   kg	in.   mm
85210M060305700	3	6	8	1.050   26.7	1.290   32.8	1.382   35.1	912   1358	75	630   286	24.9   634
85210M040305700	3	4	8	1.122   28.5	1.362   34.6	1.454   36.9	1113   1656	95	1002   454	26.2   666
85210M030305700	3	3	6	1.180   30.0	1.420   36.1	1.512   38.4	1291   1922	115	1263   573	27.3   692
85210M020305700	3	2	6	1.247   31.7	1.487   37.8	1.579   40.1	1452   2160	130	1593   722	28.5   723
85210M010345700	3	1	6	1.331   33.8	1.571   39.9	1.679   42.6	1706   2539	145	2009   911	30.2   768
85210M1/0345700	3	1/0	6	1.417   36.0	1.657   42.1	1.765   44.8	1958   2915	170	2534   1150	31.8   808
85210M2/0345700	3	2/0	6	1.510   38.4	1.750   44.5	1.858   47.2	2275   3386	195	3194   1449	33.5   850
85210M3/0345700	3	3/0	4	1.620   41.1	1.925   48.9	2.033   51.6	2807   4177	225	4027   1827	36.6   930
85210M4/0345700	3	4/0	4	1.800   45.72	2.105   53.5	2.213   56.2	3432   5107	260	5078   2304	39.9   1012
85210M250365700	3	250	4	1.921   48.8	2.226   56.5	2.334   59.3	3895   5796	290	6000   2722	42.0   1067
85210M300365700	3	300	4	2.035   51.7	2.340   59.4	2.472   62.8	4520   6727	320	7200   3266	44.5   1130
85210M350365700	3	350	3	2.143   54.4	2.448   62.2	2.580   65.5	5085   7567	350	8400   3810	46.4   1179
85210M500365700	3	500	3	2.419   61.4	2.724   69.2	2.856   72.5	6683   9946	430	12000   5443	51.4   1305
85210M750365700	3	750	2	2.882   73.2	3.187   80.9	3.333   84.7	9620   14316	535	18000   8165	60.0   1523

\*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.