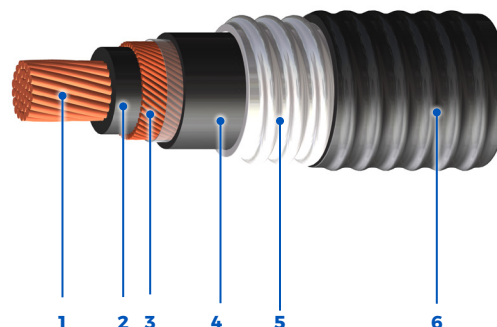


CSA Type TECK 90 Armoured Power, Single-Conductor, 1000 V

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 Conductor (Tin-coated Available) | 4 - FR LAG PVC Inner Protective Jacket |
| 2 - XLPE (RW90 Rated) Insulated Conductor | 5 - Aluminum Interlocked Armour (AIA) |
| 3 - Bonding Conductor, Copper Wire Served Helically | 6 - FR LAG PVC Outer Protective Jacket |

Product Construction

Insulation:

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

Bonding Conductor:

- Concentric serving of solid bare copper wires applied over the insulation

Armour:

- Aluminum Interlocked Armour (AIA) (standard)

Jacket:

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

Available in:

- Ribbed inner-jacketed core for vertical/mineshaft applications
- Custom insulation/jacket colours
- 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 & Cables (XLPE)
- 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)

1000 V

Voltage

Optional: 600 V

CSA Type TECK 90

Power

Colour Coding

- Black conductor (standard)

CSA Type TECK 90 Armoured Power, Single-Conductor, 1000 V

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	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
80210M040100700	1	4	6	0.523 13.3	0.763 19.3	0.855 21.7	440 655	140	334 151	15.4 391
80210M020100700	1	2	6	0.581 14.8	0.821 20.9	0.913 23.2	537 799	190	531 241	16.4 417
80210M010140700	1	1	4	0.716 18.2	0.956 24.3	1.048 26.6	721 1073	220	670 304	18.9 479
80210M1/0140700	1	1/0	4	0.756 19.2	0.996 25.3	1.088 27.6	803 1195	260	845 383	19.6 497
80210M2/0140700	1	2/0	4	0.799 20.3	1.039 26.4	1.131 28.7	950 1414	300	1065 483	20.4 517
80210M3/0140700	1	3/0	3	0.850 21.6	1.090 27.7	1.182 30.0	1107 1647	350	1342 609	21.3 540
80210M4/0140700	1	4/0	3	0.906 23.0	1.146 29.1	1.238 31.5	1271 1891	405	1693 768	22.3 566
80210M250160700	1	250	2	1.002 25.5	1.242 31.6	1.334 33.9	1516 2256	455	2000 907	24.0 610
80210M300160700	1	300	2	1.055 26.8	1.295 32.9	1.387 35.2	1701 2532	500	2400 1089	25.0 634
80210M350160700	1	350	1	1.105 28.1	1.345 34.2	1.437 36.5	1929 2871	570	2800 1270	25.9 657
80210M500160700	1	500	1/0	1.233 31.3	1.473 37.4	1.565 39.8	2521 3752	700	4000 1814	28.2 716
80210M750160700	1	750	2/0	1.412 35.9	1.652 42.0	1.760 44.7	3513 5227	885	6000 2722	31.7 805
80210MA00160700	1	1000	2/0	1.561 39.7	1.866 47.4	1.974 50.1	4476 6661	1055	8000 3629	35.5 903

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 1.
† The size of the concentrically applied bonding conductor shall be determined from the sum of the cross-sectional areas of the individual wires.