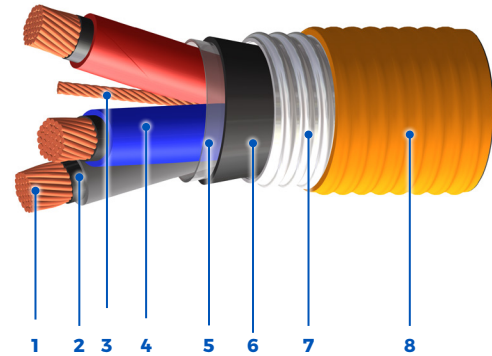


CSA TECK90 Armoured Power, Multi-Conductor, 5000 V, Unshielded

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 – Strand Bare (ASTM B8) Annealed Copper Conductors | 5 – Polyester Separator Tape |
| 2 – Grounding/Bonding Conductor | 6 – FR LAG PVC Inner Protective Jacket |
| 3 – Semicon Conductor Shield | 7 – Aluminum Interlocked Armour (AIA) |
| 4 – XLPE (RW90 Rated) Insulated Conductors | 8 – FR LAG PVC Outer Protective Jacket |

Product Construction

90 MIL Insulation

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)
- Verlock® (for mineshaft applications)
- Custom colour coding
- Custom insulation/jacket colours
- Aluminum conductors

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 II Zone 20, 21 (Div 1)
 - Class II Zone 22 (Div 2)

5000 V

Voltage

CSA Type TECK 90

Power

Color Coding

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

CSA TECK90 Armoured Power, Multi-Conductor, 5000 V, Unshielded

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	GROUND WIRE SIZE (UNINSULATED)	NORMAL DIAMETERS			CABLE WEIGHT	AMPACITY	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
				INSULATED WIRE	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
85210M060305700	3	6	8	0.392 / 10.0	1.294 / 32.9	1.386 / 35.2	933 / 1388	75	629 / 285	24.9 / 634
85210M040305700	3	4	8	0.439 / 11.2	1.364 / 34.6	1.456 / 37.0	1138 / 1693	95	1002 / 454	26.2 / 666
85210M030305700	3	3	6	0.466 / 11.8	1.422 / 36.1	1.514 / 38.5	1313 / 1954	115	1263 / 573	27.3 / 692
85210M020305700	3	2	6	0.497 / 12.6	1.489 / 37.8	1.581 / 40.2	1491 / 2219	130	1593 / 723	28.5 / 723
85210M010345700	3	1	6	0.536 / 13.6	1.572 / 39.9	1.680 / 42.7	1731 / 2577	145	2009 / 911	30.2 / 768
85210M1/0345700	3	1/0	6	0.576 / 14.6	1.658 / 42.1	1.766 / 44.9	2003 / 2981	170	2534 / 1150	31.8 / 808
85210M2/0345700	3	2/0	6	0.619 / 15.7	1.751 / 44.5	1.859 / 47.2	2333 / 3472	195	3194 / 1449	33.5 / 850
85210M3/0345700	3	3/0	4	0.670 / 17.0	1.926 / 48.9	2.033 / 51.7	2882 / 4289	225	4007 / 1818	36.6 / 930
85210M4/0345700	3	4/0	4	0.726 / 18.4	2.106 / 53.5	2.214 / 56.2	3514 / 5229	260	5078 / 2304	39.9 / 1012
85210M250365700	3	250	4	0.782 / 19.9	2.226 / 56.6	2.334 / 59.3	3918 / 5830	290	6000 / 2722	42 / 1067
85210M300365700	3	300	4	0.835 / 21.2	2.340 / 59.4	2.472 / 62.8	4534 / 6747	320	7200 / 3266	44.5 / 1130
85210M350365700	3	350	3	0.885 / 22.5	2.448 / 62.2	2.580 / 65.5	5127 / 7630	350	8400 / 3810	46.4 / 1179
85210M500365700	3	500	3	1.013 / 25.7	2.723 / 69.2	2.855 / 72.5	6762 / 10064	430	12000 / 5443	51.4 / 1305
85210M750365700	3	750	2	1.200 / 30.5	3.185 / 80.9	3.331 / 84.6	9737 / 14490	535	18000 / 8165	60 / 1523

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