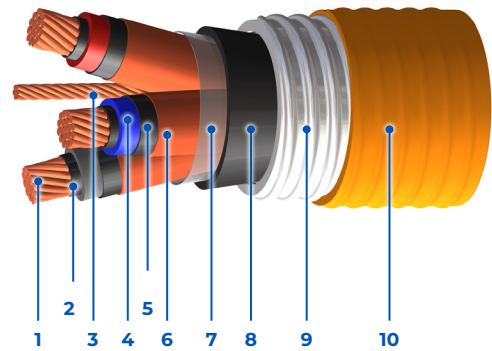


CSA TECK90 Armoured Power, Multi-Conductor, 5000 V, Shielded

Shielded 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 | 6 – Copper Tape Shield |
| 2 – Semicon Conductor Shield | 7 – Polyester Separator Tape |
| 3 – Grounding/Bonding Conductor | 8 – FR LAG PVC Inner Protective Jacket |
| 4 – XLPE (RW90 Rated) Insulated Conductors | 9 – Aluminum Interlocked Armour (AIA) |
| 5 – Semicon Insulation Shield | 10 – 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, Shielded

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 INSULATED SHIELD	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
8S210M060305700	3	6	8	0.392 / 10.0	0.444 / 11.3	1.437 / 36.5	1.517 / 38.5	1130 / 1682	75	629 / 285	27.3 / 694
8S210M040305700	3	4	8	0.439 / 11.2	0.491 / 12.5	1.501 / 38.1	1.581 / 40.2	1353 / 2013	95	1002 / 454	28.5 / 723
8S210M040305700	3	4	8	0.439 / 11.2	0.491 / 12.5	1.501 / 38.1	1.581 / 40.2	1353 / 2013	95	1002 / 454	28.5 / 723
8S210M040305700	3	4	8	0.439 / 11.2	0.491 / 12.5	1.501 / 38.1	1.581 / 40.2	1353 / 2013	95	1002 / 454	28.5 / 723
8S210M010345700	3	1	6	0.536 / 13.6	0.588 / 14.9	1.710 / 43.4	1.806 / 45.9	1990 / 2962	145	2009 / 911	32.5 / 826
8S210M1/0345700	3	1/0	6	0.576 / 14.6	0.628 / 16.0	1.861 / 47.3	1.957 / 49.7	2365 / 3520	170	2534 / 1150	35.2 / 895
8S210M2/0345700	3	2/0	6	0.619 / 15.7	0.671 / 17.0	1.954 / 49.6	2.049 / 52.1	2720 / 4047	195	3194 / 1449	36.9 / 937
8S210M3/0345700	3	3/0	4	0.670 / 17.0	0.722 / 18.3	2.123 / 53.9	2.219 / 56.4	3331 / 4957	225	4007 / 1818	39.9 / 1015
8S210M4/0345700	3	4/0	4	0.726 / 18.4	0.778 / 19.8	2.244 / 57.0	2.340 / 59.4	3882 / 5777	260	5078 / 2304	42.1 / 1070
8S210M250365700	3	250	4	0.782 / 19.9	0.834 / 21.2	2.364 / 60.1	2.484 / 63.1	4357 / 6483	290	6000 / 2722	44.7 / 1136
8S210M300365700	3	300	4	0.835 / 21.2	0.887 / 22.5	2.478 / 62.9	2.598 / 66.0	4947 / 7362	320	7200 / 3266	46.8 / 1188
8S210M350365700	3	350	3	0.885 / 22.5	0.937 / 23.8	2.585 / 65.7	2.705 / 68.7	5567 / 8284	350	8400 / 3810	48.7 / 1237
8S210M500365700	3	500	3	1.013 / 25.7	1.065 / 27.1	2.861 / 72.7	2.981 / 75.7	7274 / 10825	430	12000 / 5443	53.7 / 1363
8S210M750365700	3	750	2	1.200 / 30.5	1.252 / 31.8	3.323 / 84.4	3.457 / 87.8	9990 / 14867	535	18000 / 8165	62.2 / 1580

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