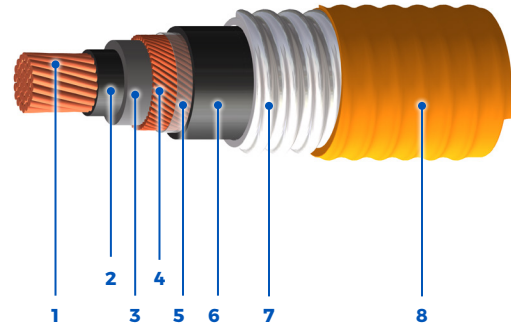


CSA Teck90 Armoured Power, Single-Conductor, 5000 V Shielded

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 Conductor
- 2 - Semicon Conductor Shield
- 3 - XLPE (RW90 Rated) Insulated Conductor
- 4 - Serve/Wound Grounds
- 5 - Polyester Separator Tape
- 6 - FR LAG PVC Inner Protective Jacket
- 7 - Aluminum Interlocked Armour (AIA)
- 8 - FR LAG PVC Outer Protective Jacket

Product Construction

90 MIL Insulation Grounding/Bonding Conductor:

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

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/105°C dry

Armour:

- Aluminum Interlocked Armour (AIA) (standard)

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:

- 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

- Black conductor (standard)

CSA Teck90 Armoured Power, Single-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 ARMOUR	OVERALL CABLE				
		AWG/kcmil	AWG/kcmil	in/mm	in/mm	in/mm	lbs/1000ft kg/km	30°C ambient	lb/kg	in/mm
85210M060105700	1	6	8	0.392 / 10.0	0.784 / 19.9	0.876 / 22.3	385 / 572	105	210 / 95	15.8/401
85210M040105700	1	4	6	0.439 / 11.2	0.883 / 22.4	0.975 / 24.8	521 / 775	140	334 / 151	17.6/446
85210M030105700	1	3	6	0.466 / 11.8	0.910 / 23.1	1.002 / 25.5	569 / 846	165	421 / 191	18/458
85210M020105700	1	2	6	0.497 / 12.6	0.941 / 23.9	1.033 / 26.2	627 / 934	190	531 / 241	18.6/472
85210M010145700	1	1	4	0.536 / 13.6	0.986 / 25.0	1.078 / 27.4	802 / 1194	220	670 / 304	19.4/493
85210M1/0145700	1	1/0	4	0.576 / 14.6	1.046 / 26.6	1.138 / 28.9	896 / 1334	260	845 / 383	20.5/520
85210M2/0145700	1	2/0	4	0.619 / 15.7	1.089 / 27.7	1.181 / 30.0	1006 / 1497	300	1065 / 483	21.3/540
85210M3/0145700	1	3/0	4	0.670 / 17.0	1.140 / 29.0	1.232 / 31.3	1171 / 1742	350	1336 / 606	22.2/563
85210M4/0145700	1	4/0	4	0.726 / 18.4	1.226 / 31.1	1.318 / 33.5	1375 / 2046	405	1693 / 768	23.7/603
85210M250165700	1	250	4	0.782 / 19.9	1.282 / 32.6	1.374 / 34.9	1562 / 2324	455	2000 / 907	24.7/628
85210M300165700	1	300	4	0.835 / 21.2	1.335 / 33.9	1.427 / 36.3	1747 / 2599	500	2400 / 1089	25.7/652
85210M350165700	1	350	4	0.885 / 22.5	1.385 / 35.2	1.477 / 37.5	1986 / 2955	570	2800 / 1270	26.6/675
85210M500165700	1	500	4	1.013 / 25.7	1.513 / 38.4	1.605 / 40.8	2594 / 3861	700	4000 / 1814	28.9/734
85210M750165700	1	750	4	1.200 / 30.5	1.700 / 43.2	1.808 / 45.9	3615 / 5379	885	6000 / 2722	32.5/827

*Ampacity value based on Canadian Electrical Code, Version 2018, Table-1.