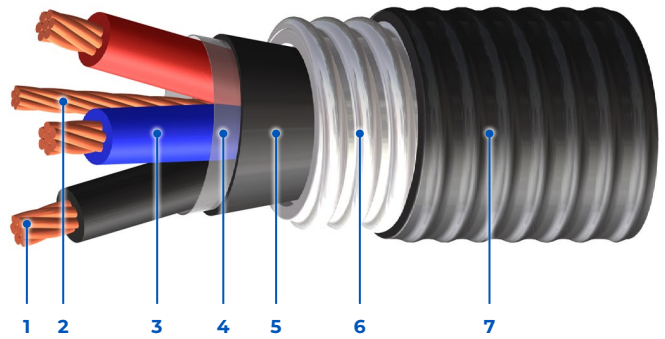


CSA TECK90 Armoured Power, Multi-Conductor, 1000 V

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 – Strand Bare (ASTM B8) Annealed Copper Conductors
- 2 – Grounding/Bonding Conductor
- 3 – XLPE (RW90 Rated) Insulated Conductors
- 4 – Polyester Separator Tape

- 5 – FR LAG PVC Inner Protective Jacket
- 6 – Aluminum Interlocked Armour (AIA)
- 7 – FR LAG PVC Outer Protective Jacket

Product Construction

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/outer black jacket rated: 90°C to -40°C

Available in:

- Variable Frequency Drive (VFD)
- Verlock (for mineshaft applications)
- Custom colour coding
- Custom insulation/jacket colours
- Composite constructions
- 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

- Rated for use in hazardous locations:

- Class I Zone 0 (Intrinsically Safe cables only)
- 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)

Colour Coding

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

1000 V

Voltage
(Optional: 600 V)

CSA Type TECK 90

Power

CSA TECK90 Armoured Power, Multi-Conductor, 1000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	GROUND WIRE SIZE	OD OVER INNER JACKET	NORMAL DIAMETERS		CABLE WEIGHT	AMPACITY	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
					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)
80210M080200700	2	8	10	0.606 / 15.4	0.846 / 21.5	0.938 / 23.8	409 / 608	55	265 / 120	16.9 / 429
80210M060200700	2	6	8	0.744 / 18.9	0.984 / 25.0	1.076 / 27.3	556 / 827	75	419 / 190	19.4 / 492
80210M040200700	2	4	8	0.838 / 21.3	1.078 / 27.4	1.170 / 29.7	743 / 1105	95	668 / 303	21.1 / 535
80210M030200700	2	3	6	0.932 / 23.7	1.172 / 29.8	1.264 / 32.1	914 / 1361	115	842 / 382	22.8 / 578
80210M020200700	2	2	6	0.994 / 25.3	1.234 / 31.3	1.326 / 33.7	1034 / 1539	130	1062 / 482	23.9 / 606
80210M010240700	2	1	6	1.152 / 29.3	1.392 / 35.4	1.484 / 37.7	1242 / 1848	145	1339 / 607	26.7 / 678
80210M1/0240700	2	1/0	6	1.232 / 31.3	1.472 / 37.4	1.564 / 39.7	1426 / 2122	170	1690 / 766	28.2 / 715
80210M2/0240700	2	2/0	6	1.318 / 33.5	1.558 / 39.6	1.666 / 42.3	1672 / 2489	195	2130 / 966	30 / 762
80210M3/0340700	3	3/0	4	1.513 / 38.4	1.753 / 44.5	1.861 / 47.3	2634 / 3920	225	4007 / 1818	33.5 / 851
80210M4/0240700	2	4/0	4	1.532 / 38.9	1.837 / 46.7	1.945 / 49.4	2427 / 3611	260	3386 / 1536	35 / 889
80210M250260700	2	250	4	1.664 / 42.3	1.969 / 50.0	2.077 / 52.8	2744 / 4084	290	4000 / 1814	37.4 / 950
80210M300260700	2	300	4	1.830 / 46.5	2.135 / 54.2	2.243 / 57.0	3250 / 4837	320	4800 / 2177	40.4 / 1025
80210M350260700	2	350	3	1.930 / 49.0	2.235 / 56.8	2.343 / 59.5	3668 / 5458	350	5600 / 2540	42.2 / 1071
80210M500260700	2	500	3	2.186 / 55.5	2.491 / 63.3	2.623 / 66.6	4843 / 7207	430	8000 / 3629	47.2 / 1199
80210M750260700	2	750	2	2.544 / 64.6	2.849 / 72.3	2.981 / 75.7	6710 / 9985	535	12000 / 5443	53.7 / 1363
80210MA00260700	2	1000	1	2.902 / 73.7	3.207 / 81.5	3.353 / 85.2	8749 / 13012	615	16000 / 7258	40.2 / 1022
80210M080300700	3	8	10	0.660 / 16.8	0.900 / 22.9	0.992 / 25.2	489 / 727	55	329 / 180	11.9 / 302
80210M060300700	3	6	8	0.813 / 20.7	1.053 / 26.8	1.145 / 29.1	729 / 1085	75	629 / 285	20.6 / 524
80210M040300700	3	4	8	0.930 / 23.6	1.170 / 29.7	1.262 / 32.1	966 / 1437	95	1002 / 454	22.7 / 577
80210M030300700	3	3	6	0.988 / 25.1	1.228 / 31.2	1.320 / 33.5	1133 / 1685	115	1263 / 573	23.8 / 604
80210M020300700	3	2	6	1.055 / 26.8	1.295 / 32.9	1.387 / 35.2	1301 / 1936	130	1593 / 723	25 / 634
80210M010340700	3	1	6	1.225 / 31.1	1.465 / 37.2	1.557 / 39.6	1583 / 2356	145	2009 / 911	28 / 712
80210M1/0340700	3	1/0	6	1.311 / 33.3	1.551 / 39.4	1.659 / 42.1	1869 / 2781	170	2534 / 1150	29.9 / 758
80210M2/0340700	3	2/0	6	1.403 / 35.7	1.643 / 41.7	1.751 / 44.5	2187 / 3255	195	3194 / 1449	31.5 / 801
80210M3/0340700	3	3/0	4	1.513 / 38.4	1.753 / 44.5	1.861 / 47.3	2602 / 3873	225	4007 / 1818	33.5 / 851
80210M4/0340700	3	4/0	4	1.633 / 41.5	1.938 / 49.2	2.046 / 52.0	3214 / 4783	260	5078 / 2304	36.8 / 936
80210M250360700	3	250	4	1.835 / 46.6	2.140 / 54.4	2.248 / 57.1	3790 / 5639	290	6000 / 2722	40.5 / 1028
80210M300360700	3	300	4	1.949 / 49.5	2.254 / 57.3	2.362 / 60.0	4344 / 6464	320	7200 / 3266	42.5 / 1080
80210M350360700	3	350	3	2.057 / 52.2	2.362 / 60.0	2.494 / 63.3	4985 / 7419	350	8400 / 3810	44.9 / 1140
80210M500360700	3	500	3	2.332 / 59.2	2.637 / 67.0	2.769 / 70.3	6606 / 9830	430	12000 / 5443	49.8 / 1266
80210M750360700	3	750	2	2.717 / 69.0	3.022 / 76.8	3.154 / 80.1	9297 / 13835	535	18000 / 8165	56.8 / 1442
80210MA00360700	3	1000	1	3.097 / 78.7	3.402 / 86.4	3.548 / 90.1	11767 / 17511	615	24000 / 10886	42.6 / 1081

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

CSA TECK90 Armoured Power, Multi-Conductor, 1000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	GROUND WIRE SIZE	OD OVER INNER JACKET	NORMAL DIAMETERS		CABLE WEIGHT	AMPACITY	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
					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)
80210M080400700	4	8	10	0.719 / 18.3	0.959 / 24.4	1.051 / 26.7	577 / 858	55	529 / 240	18.9 / 480
80210M060400700	4	6	8	0.929 / 23.6	1.169 / 29.7	1.261 / 32.0	907 / 1350	75	839 / 380	22.7 / 576
80210M040400700	4	4	8	1.045 / 26.6	1.286 / 32.7	1.378 / 35.0	1167 / 1736	76	1336 / 606	24.8 / 630
80210M030400700	4	3	6	1.112 / 28.3	1.352 / 34.4	1.444 / 36.7	1380 / 2054	115	1684 / 764	26 / 660
80210M020400700	4	2	6	1.189 / 30.2	1.429 / 36.3	1.521 / 38.6	1600 / 2381	130	2124 / 964	27.4 / 696
80210M010440700	4	1	6	1.351 / 34.3	1.591 / 40.4	1.699 / 43.2	1982 / 2949	145	2678 / 1215	30.6 / 777
80210M1/0440700	4	1/0	6	1.448 / 36.8	1.688 / 42.9	1.796 / 45.6	2330 / 3467	170	3379 / 1533	32.3 / 821
80210M2/0440700	4	2/0	6	1.551 / 39.4	1.856 / 47.2	1.964 / 49.9	2832 / 4215	195	4259 / 1932	35.4 / 898
80210M3/0440700	4	3/0	4	1.674 / 42.5	1.979 / 50.3	2.087 / 53.0	3407 / 5070	225	5343 / 2423	37.6 / 954
80210M4/0440700	4	4/0	4	1.869 / 47.5	2.174 / 55.2	2.282 / 58.0	4186 / 6229	260	6771 / 3071	41.1 / 1043
80210M250460700	4	250	4	2.028 / 51.5	2.333 / 59.3	2.465 / 62.6	4839 / 7201	290	8000 / 3629	44.4 / 1127
80210M300460700	4	300	4	2.156 / 54.8	2.461 / 62.5	2.593 / 65.9	5566 / 8283	320	9600 / 4355	46.7 / 1185
80210M350460700	4	350	3	2.276 / 57.8	2.581 / 65.6	2.713 / 68.9	6334 / 9426	350	11200 / 5080	48.8 / 1241
80210M500460700	4	500	3	2.585 / 65.7	2.890 / 73.4	3.022 / 76.8	8471 / 12606	430	16000 / 7258	54.4 / 1382
80210M750460700	4	750	2	3.076 / 78.1	3.381 / 85.9	3.527 / 89.6	11874 / 17671	535	24000 / 10886	63.5 / 1613

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