

CSA TECK 90 Armoured Power - Multi-Conductor (1000V)

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.

Voltage

1000 V

Optional: 600V

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^Â® (for mineshaft applications)
 - Custom colour coding
 - Custom insulation / jacket colours
 - Composite constructions
 - Aluminum conductors

Certifications/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 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



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

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE (AWG/MCM)	GROUND WIRE SIZE (UNINSULATED) (AWG/MCM)	OD OVER INNER JACKET (IN/MM)	NORMAL DIAMETERS		CABLE WEIGHT (LBS/1000FT)/ (KG/KM)	AMPACITY (30°C AMBIENT)	MAX. PULLING TENSION (PULLING EYE) (LB/KG)	MIN. BEND RADIUS (PULL) (IN/MM)
					Over Armour (in/mm)	Overall Cable (in/mm)				
80210M080200700	2	8	10	0.606 / 15.39	0.846 / 21.49	0.938 / 23.83	409 / 608	55	265 / 120	16.9 / 429
80210M060200700	2	6	8	0.744 / 18.9	0.984 / 24.99	1.076 / 27.33	556 / 827	75	419 / 190	19.4 / 492
80210M040200700	2	4	8	0.838 / 21.29	1.078 / 27.38	1.17 / 29.72	743 / 1105	95	668 / 303	21.1 / 535
80210M030200700	2	3	6	0.932 / 23.67	1.172 / 29.77	1.264 / 32.11	914 / 1361	115	842 / 382	22.8 / 578
80210M020200700	2	2	6	0.994 / 25.25	1.234 / 31.34	1.326 / 33.68	1034 / 1539	130	1062 / 482	23.9 / 606
80210M010240700	2	1	6	1.152 / 29.26	1.392 / 35.36	1.484 / 37.69	1242 / 1848	145	1339 / 607	26.7 / 678
80210M1/0240700	2	1/0	6	1.232 / 31.29	1.472 / 37.39	1.564 / 39.73	1426 / 2122	170	1690 / 766	28.2 / 715
80210M2/0240700	2	2/0	6	1.318 / 33.48	1.558 / 39.57	1.666 / 42.32	1672 / 2489	195	2130 / 966	30 / 762
80210M3/0340700	3	3/0	4	1.513 / 38.43	1.753 / 44.53	1.861 / 47.27	2634 / 3920	225	4007 / 1818	33.5 / 851
80210M4/0240700	2	4/0	4	1.532 / 38.91	1.837 / 46.66	1.945 / 49.4	2427 / 3611	260	3386 / 1536	35 / 889
80210M250260700	2	250	4	1.664 / 42.27	1.969 / 50.01	2.077 / 52.76	2744 / 4084	290	4000 / 1814	37.4 / 950
80210M300260700	2	300	4	1.83 / 46.48	2.135 / 54.23	2.243 / 56.97	3250 / 4837	320	4800 / 2177	40.4 / 1025
80210M350260700	2	350	3	1.93 / 49.02	2.235 / 56.77	2.343 / 59.51	3668 / 5458	350	5600 / 2540	42.2 / 1071