

TECK 90 SPECIFICATIONS CSA TECK 90 – 1000V POWER CABLE



- 1000V MULTI CONDUCTOR
- No. 8 & UP AWG COPPER

- XLPE INSULATION
- ALUMINUM INTERLOCKED ARMOUR

- -40°C MIN, 90°C MAX
- RATED HL (HAZARDOUS LOCATIONS)

PRODUCT HIGHLIGHTS

For exposed or concealed wiring in wet or dry locations. For use in ventilated, non-ventilated and ladder type cable troughs and ventilated flexible cableway in wet or dry locations. Sunlight Resistant. Typical applications are primarily for power as well as lighting and control circuits in: pulp and paper mills, steel mills, foodprocessing plants, commercial centers, mines, generating stations, refineries, chemical plants and other industrial applications.

CONSTRUCTION

Conductor

- Class B stranded copper

Insulation

- Cross-Linked Polyethylene (XLPE)
- Colour Code:
 - 2/C black, white
 - 3/C red, black, blue
 - 4/C red, black, blue, white
 - For cables larger than No. 2 AWG or more than 4/C, the insulation is black and numbered

Grounding Conductors

- Uninsulated Class B stranded grounding conductor

Assembly

- Multiple conductor cables assembled with suitable fillers and binder tape

Inner Jacket

- Polyvinyl Chloride (PVC)

Armour

- Aluminum Interlocked Armour (AIA)

Overall Jacket

- Black PVC (optional colours available)

Temperature

- -40°C to 90°C

Voltage

- 1000V

DESIGN

Qualification Standards

- CSA C22.2 No. 131 - Type TECK 90 Cable
- CSA C22.2 No. 174 - Cables in Hazardous Locations
- CSA C22.2 No. 0.3 - Wire and Cable Test Methods

Flame Test Ratings

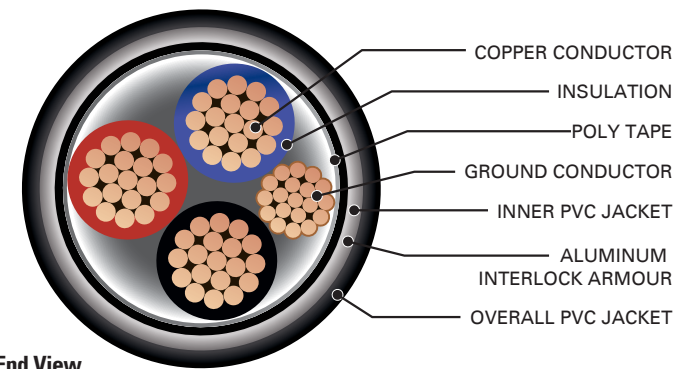
- FT4 - Flame Test (70,000 BTU/Hr - Vertical Tray Flame Test)
- IEEE 383 - Flame Test (70,000 BTU/Hr)

Product Ratings

- CSA C22.2 No. 0.3 - Wire and Cable Test Methods
- CSA HL - for Hazardous Locations rating
- CSA FT4 - for Flame Retardancy rating
- CSA SUN RES - for Sunlight Resistant rating

Operating Temperatures

- -40°C - CSA Cold Bend and Impact Temperature
- -40°C - Min. Installation Temperature
- 90°C - Max. Continuous Operating Temperature



End View



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SPECIFICATIONS

Stock Number	Conductor		Grounding Conductor Size	Approximate Diameter			Approximate Weight	Ampacity (Amps) 30°C Ambient †	
				Inner Jacket	Armour	Outer Jacket		75°C	90°C
	Size AWG or kcmil	Number of Conductors	AWG	inches	inches	inches	lb/1000 ft		
56860599	8	2	10	0.590	0.800	0.900	397	50	55
56196399	8	3	10	0.627	0.837	0.917	466	50	55
56196499	8	4	10	0.681	0.891	0.991	553	50	55
57382199	6	2	8	0.720	0.930	1.030	536	65	75
56196599	6	3	8	0.768	1.088	1.187	710	65	75
56196699	6	4	8	0.883	1.203	1.283	888	65	75
58200599	4	2	8	0.807	1.129	1.229	730	85	95
56196799	4	3	8	0.907	1.228	1.328	958	85	95
56196899	4	4	8	0.994	1.318	1.394	1,144	85	95
56197099	3	3	6	0.965	1.285	1.385	1,116	100	115
56197199	3	4	6	1.058	1.378	1.458	1,351	100	115
57118499	2	2	6	0.963	1.283	1.383	1,016	115	130
56197299	2	3	6	1.030	1.350	1.450	1,281	115	130
56197399	2	4	6	1.131	1.451	1.551	1,559	115	130
56197499	1	3	6	1.211	1.531	1.651	1,595	130	145
56197599	1	4	6	1.333	1.653	1.773	1,970	130	145
56197699	1/0	3	6	1.295	1.615	1.735	1,867	150	170
56197899	1/0	4	6	1.427	1.747	1.868	2,303	150	170
56194899	2/0	3	6	1.390	1.710	1.830	2,282	175	195*
56194999	2/0	4	6	1.533	1.864	1.984	2,774	175	195*
58640099	3/0	2	4	1.400	1.720	1.840	1,996	200	225
56195099	3/0	3	4	1.498	1.818	1.938	2,623	200	225
56195299	3/0	4	4	1.654	1.984	2.104	3,338	200	225
56195399	4/0	3	4	1.619	1.949	2.047	3,168	230	260
56195499	4/0	4	4	1.849	2.179	2.299	4,103	230	260
56195599	250	3	4	1.826	2.156	2.275	3,760	255	290
56195699	250	4	4	2.013	2.343	2.464	4,878	255	290
56195799	300	3	4	1.940	2.270	2.420	4,378	285	320
56195899	300	4	4	2.141	2.471	2.622	5,512	285	320
56195999	350	3	3	2.048	2.378	2.529	4,962	310	350
56196099	350	4	3	2.262	2.592	2.742	6,266	310	350
56196199	500	3	3	2.327	2.657	2.807	6,574	380	430
56196299	500	4	3	2.573	2.903	3.054	8,382	380	430
59231499	600	3	2	2.491	2.764	2.971	7,660	420	475
56847899	750	3	2	2.711	3.041	3.211	9,286	475	535
56847999	750	4	2	3.063	3.393	3.563	12,120	475	535

* Please see note under Table 2 of the 2012 Canadian Electrical Code

† Ampacities based on not more than 3 conductors (4 with neutral) in raceway or cable as per Table 2 of 2012 Canadian Electrical Code