

TECK 90 SPECIFICATIONS CSA TECK 90 – 1000V CONTROL CABLE



- 1000V MULTI CONDUCTOR
- No. 14 TO No.10 AWG COPPER
- FT4 - FLAME RETARDANCY RATING

- XLPE INSULATION
- ALUMINUM INTERLOCKED ARMOUR
- SUNLIGHT RESISTANT

- -40°C MIN, 90°C MAX
- RATED HL (HAZARDOUS LOCATIONS)
- AG14 - ACID GAS COMPLIANCE

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, dry or hazardous locations. Sunlight Resistant. Typical applications are for control, lighting and power circuits in: pulp and paper mills, steel mills, food processing plants, commercial centers, mines, generating stations, refineries, industrial plants and chemical plants.

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

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)

TemperatureW

- -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
- CSA File Listing: LL90458

Flame Test Ratings

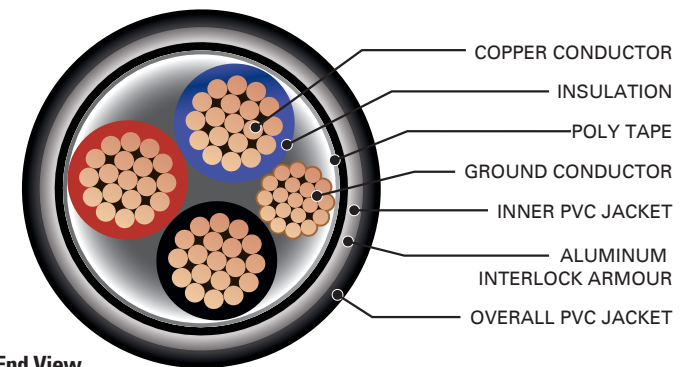
- FT4 - Flame Test (70,000 BTU/Hr - Vertical Tray Flame Test)
- IEEE 383 - Flame Test (70,000 BTU/Hr)

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
- CSA AG14 - for Acid Gas Compliance

Operating Temperatures

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



End View



TECK 90 SPECIFICATIONS CSA TECK 90 – 1000V CONTROL CABLE



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	Number of Conductors	AWG	inches	inches	inches	lb/1000 ft		
**	14	2	14	0.421	0.646	0.746	218	20	25
56352299	14	3	14	0.434	0.650	0.757	235	20	25
56844899	14	4	14	0.475	0.685	0.769	267	20	25
56712199	12	2	12	0.444	0.654	0.738	237	25	30
56352699	12	3	12	0.473	0.683	0.767	273	25	30
**	12	4	12	0.560	0.775	0.865	346	25	30
58200399	10	2	12	0.491	0.687	0.801	297	35	40
56229799	10	3	12	0.554	0.764	0.848	358	35	40
56861199	10	4	12	0.605	0.815	0.899	416	35	40

** Non-stock item - special order required

† Ampacities based on not more than 3 conductors (4 with neutral) in raceway or cable as per Table 2 of 2015 Canadian Electrical Code