



# CSA TECK 90 1000V ALUMINUM POWER CABLE

1000V FT4 - Flame Retardancy Rating, Direct Burial, XLPE Insulation, Aluminum Interlocked Armour, Sunlight Resistant, -40°C Min, 90°C Max, Rated HL (Hazardous Locations)

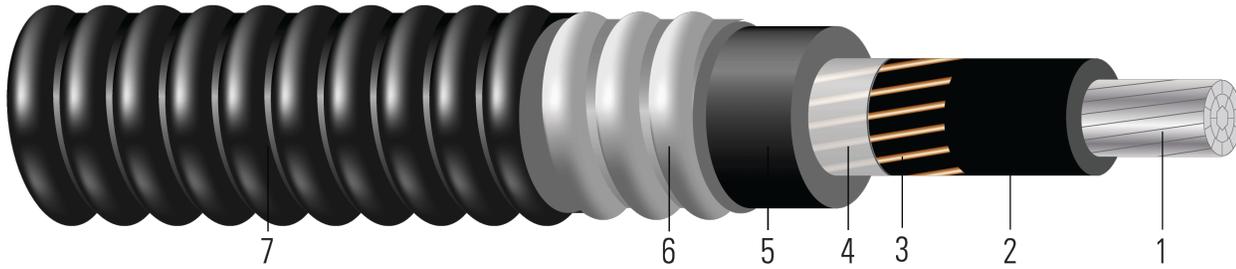


Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

1. **Conductor:** Class B compact stranded 8000 Series Aluminum ACM in accordance with ASTM B801.
2. **Insulation:** Cross-Linked Polyethylene (XLPE)
3. **Grounding Conductors:** Uninsulated copper grounding conductor
4. **Binder:** Mylar binder
5. **Inner Jacket:** Black Polyvinyl Chloride (PVC)
6. **Armor:** Aluminum Interlocked Armour (AIA)
7. **Overall Jacket:** Black PVC (optional colours available)

## APPLICATIONS AND FEATURES:

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, hazardous locations or direct buried. 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. AG14 - Acid Gas Compliance. Voltage 1000V CSA / 600V UL.

## SPECIFICATIONS:

- ASTM B801 Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy
- CSA C22.2 No. 174 Cables in Hazardous Locations
- CSA C22.2 No. 131 Type TECK 90 Cable
- CSA C22.2 No. 2556 / UL 2556 Cable Test Methods
- CSA HL - for Hazardous Locations rating
- CSA SUN RES - for Sunlight Resistant rating
- IEEE 1202 FT4 Flame Test (70,000) BTU/hr Vertical Tray Test

## SAMPLE PRINT LEGEND:

{SQMTR} SOUTHWIRE {CSA} LL90458 1/C XXX KCMIL 8000 TECK 90 XLPE -40°C FT4 AG14 SUN RES 90°C 1000V HL USA

**Table 1 – Weights and Measurements**

1000	1	58	90	60	17x12	1.866	55	1.976	2204	13.8	6000	0.018	0.025	0.037	500	Black
------	---	----	----	----	-------	-------	----	-------	------	------	------	-------	-------	-------	-----	-------

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item





\* Strand count meets minimum number per ASTM

TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

**Table 2 – Weights and Measurements (Metric)**

Cond. Size	Cond. Number	Strand	Insul. Thickness	Inner Jacket Thickness	Concentric Neutral	Dia. Over Armour	Jacket Thickness <sup>1</sup>	Approx. OD	Approx. Weight	Min Bending Radius	Max Pull Tension	DC Resistance @ 25°C	AC Resistance @ 75°C	Inductive Reactance @ 60Hz	Allowable Ampacity In Raceway 90°C	Jacket Color
AWG/Kcmil		No.	mm	mm	No. x AWG	mm	mm	mm	kg/km	mm	newton	Ω/km	Ω/km	Ω/km	Amp	
1000	1	58	2.29	1.52	17x12	47.40	1.40	50.19	3280	350.52	26700	0.06	0.08	0.1214	500	Black

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item

\* Strand count meets minimum number per ASTM

TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

