

# **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)

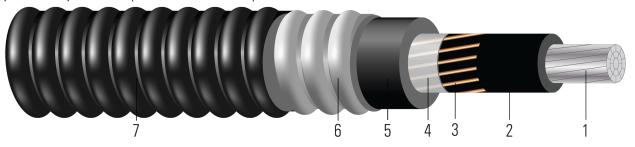


Image not to scale. See Table 1 for dimensions.

#### **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**

750	1	61	90	60	17x12	1.714	55	1.824	1795	12.7	4500	0.024	0.031	0.038	435	Black

All dimensions are nominal and subject to normal manufacturing tolerances

♦ Cable marked with this symbol is a standard stock item







# Stock # TBA | SPEC 25015

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		Allowable Ampacity In Raceway 90°C	
AWG, Kcmil		No.	mm	mm	No. x AWG	mm	mm	mm	kg/km	mm	newton	Ω/km	Ω/km	Ω/km	Amp	
750	1	61	2.29	1.52	17x12	43.54	1.40	46.33	2671	322.58	20025	0.08	0.10	0.1247	435	Black

All dimensions are nominal and subject to normal manufacturing tolerances

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.





<sup>\*</sup> Strand count meets minimum number per ASTM

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