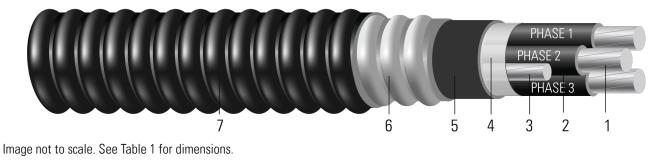


# 3/C CSA TECK 90 1000V ALUMINUM POWER CABLE

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



## **CONSTRUCTION:**

- 1. **Conductor:** Class B compact stranded 8000 Series Aluminum.
- 2. Insulation: Cross-Linked Polyethylene (XLPE), Color Code: Black and numbered
- 3. Grounding Conductors: Uninsulated Aluminum Class B stranded grounding conductor
- 4. Assembly: Polypropylene tape
- 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. Voltage 1000V CSA / 600V UL.

#### **SPECIFICATIONS:**

- ASTM B801 Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy
- ASTM B836 Compact Rounded Stranded Aluminum Conductors
- UL 1569 Metal-Clad Cables
- CSA C22.2 No. 174 Cables in Hazardous Locations
- CSA C22.2 No. 131 Type TECK 90 Cable
- CSA C22.2 No. 2556 & No. 0.3 Wire and 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\_DUAL} SOUTHWIRE® {CSA} LL90458 X/C XX AWG 8000 TECK 90 XLPE -40°C FT4 SUN RES 90°C 1000V HL USA {UL} E96627 TYPE MC XLPE 600V SUN. RES. DIRECT BURIAL 90°C

#### Table 1 – Weights and Measurements

674938^	4	3	7	60	1x6	85	1.226	55	1.336	684	9.3	751	0.424	0.510	0.048	75 E
<b>SP</b> <sup>®</sup>	We've g MADE IN A															
Southwire Company, LLC   One Southwire Drive, Carrollton, GA 30119   www.southwire.com																



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)

6	Stock Number	Cond. Size	Cond. Number	Strand	Insul. Thickness	Ground	Inner Jacket Thickness	Dia. Over Armour	Jacket Thickness <sup>1</sup>	Approx. OD	Approx. Weight	Min Bending Radius	Max Pull Tension	DC Resistance 1 @ 25°C	AC Resistance @ 75°C		Allowable Ampacity In Raceway 90°C
		AWG/ Kcmil		No.	mm	No. x AWG	mm	mm	mm	mm	kg/km	mm	newton	ר Ω/km	Ω/km	Ω/km	Amp
ſ	674938	4	3	7	1.52	1x6	2.16	31.14	1.40	33.93	1018	236.22	3342	1.39	1.67	0.1575	75

All dimensions are nominal and subject to normal manufacturing tolerances

 $\Diamond$  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.

