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, -40ºC Min, 90ºC Max, Rated HL (Hazardous Locations)

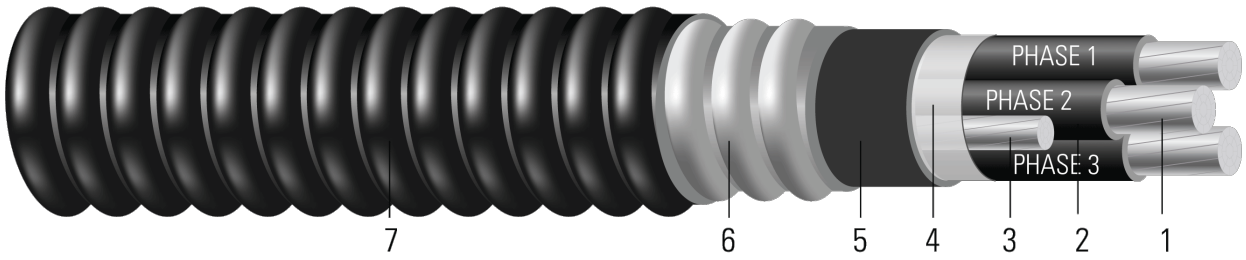

Image not to scale. See Table 1 for dimensions.

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

584876	2/0	3	12	80	1x4	85	1.669	65	1.801	1294	12.6	2395	0.133	0.160	0.043	150	B

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)

Stock Number	Cond. Size	Cond. Number	Strand	Insul. Thickness	Ground	Inner Jacket Thickness	Dia. Over Armour	Jacket Thickness[1]	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
	AWG/ Kcmil		No.	mm	No. x AWG	mm	mm	mm	mm	kg/km	mm	newton	Ω/km	Ω/km	Ω/km	Amp
584876	2/0	3	12	2.03	1x4	2.16	42.39	1.65	45.75	1926	320.04	10658	0.44	0.52	0.1411	150

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
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