

# **CSA ACWU 90**

600V Rating, 8000 Series ACM Aluminum Conductors, CSA Approved For Hazardous Locations, CSA -40°C Low Temperature Rating, CSA Sunlight Resistant, XLPE 90°C Insulation



Image not to scale. See Table 1 for dimensions.

#### **CONSTRUCTION:**

- 1. Conductor: 8000 Series ACM Aluminum Conductors
- 2. **Insulation:** Low Temperature Cross-linked Polyethylene Insulation (XLPE)
- 3. **Grounding Conductors:** Bare Aluminum Bonding Wire in Multi-conductor Cables
- 4. Inner Jacket: Oil Impregnated Kraft Paper Binder
- 5. Armor: Aluminum Interlocked Armour (AIA)
- 6. Overall Jacket: Black PVC (optional colours available)

#### **APPLICATIONS AND FEATURES:**

Southwire's ACWU 90 cables are primarily intended for exposed and concealed wiring in dry or wet locations and where exposed to the weather. For use in ventilated, non-ventilated, ladder type cable trays and in all hazardous locations; direct earth burial; service entrance above or below ground.

#### **SPECIFICATIONS:**

- CSA C22.2, No. 51 Armored Cables
- CSA C22.2 No. 174 Cables in Hazardous Locations
- CSA C22.2 No. 0-M91 General Requirements
- CSA LTGG [-40°C] as per C68.10 for Cold Bend and Impact rating
- CSA SUN RES for Sunlight Resistant rating
- CSA AG14 Acid Gas Compliance
- CSA AWM IB 105°C 600V. FT4-ST1
- CSA Certified File Listing LL90458, CLASS 581801 Armoured Cable

### **SAMPLE PRINT LEGEND:**

{SQMTR} SOUTHWIRE {CSA} LL90458 X/C XX AWG AL ACM ACWU90 XLPE -40°C AG14 FT4 SUN. RES. 600V {YYYY}





# Stock # 566340 | SPEC 22230

## Table 1 – Physical and Electrical Data

St Nun	ock nber	Cond. Size	Cond. Number	Cond. Strands	Diameter Over Cond.	Insul. Thickness	Diameter Over Armor	Approx. OD	Aluminum Weight	Approx. Weight	DC Resistance @ 25°C	AC Resistance @ 75°C	Inductive Rectance	Min Bending Radius	Allowable Ampacity 75°C	Allowable Ampacity 90°C	Jacke Color
		AWG	No.	strands	inch	mil	inch	inch	lb/1000ft	lb / 1000ft	Ω /1000ft	Ω /1000ft	Ω/1000ft	inch	Amp	Amp	
	4 AWG																
566	340	4	4	7	0.212	45	1.071	1.231	344	593	0.424	0.51	0.048	6.1	52	60	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> Cable marked with this symbol is a standard stock item

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