# **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 # 564215 | SPEC 22230

## Table 1 – Physical and Electrical Data

Stock Numbe	Cond. r 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	
564215	600	3	58	0.812	80	2.42	2.64	2273	3138	0.029	0.037	0.039	15.8	340	385	black

All dimensions are nominal and subject to normal manufacturing tolerances



<sup>♦</sup> Cable marked with this symbol is a standard stock item

<sup>\*</sup> 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.