

## AL XLPE Type RPVU90 2KV

Single Aluminum Conductors, 1000V/2000V, 90°C MAX - 40°C MIN, Sunlight Resistant and FT4 Flame Test Rated



Image not to scale. See Table 1 for dimensions.

### CONSTRUCTION:

1. **Conductor:** AlumaFlex® Compact Stranded Aluminum Alloy (AA-8176)
2. **Insulation:** Cross Linked Polyethylene (XLPE)

### APPLICATIONS AND FEATURES:

Single aluminum conductor with low temperature, moisture resisting XLPE (cross linked polyethylene) insulation. Sunlight Resistant. This product meets the current RoHS requirements. No lead is added or used in manufacturing.

### SPECIFICATIONS:

- ASTM B836 Compact Rounded Stranded Aluminum Conductors
- CSA C22.2 No. 38 Thermoset-insulated wires and cables
- FT1 Flame Test (1,706 BTU/Hr nominal - Vertical Wire Flame Test)
- RoHS Compliant Lead-Free, Silicone-Free
- AA 8176 Stranded Aluminum Alloy Conductors
- CSA Standard C22.2 No. 271 Photovoltaic Cables

### SAMPLE PRINT LEGEND:

{SQMTR} SOUTHWIRE LL90458 {CSA} XXX KCMIL (XX{mm<sup>2</sup>}) COMPACT AL. --- {ALUMAFLEX}® AA8176 RPVU90 1000V/2000V XLPE FT1 (-40°C) SR DIR BUR RoHS

**Table 1 – Weights and Measurements**

Cond. Size	Cond. Number	Strand	Insul. Thickness	Insulation Color	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.	mil		inch	lb/1000ft	inch	lb	Ω/1000ft	Ω/1000ft	Ω/1000ft	Amp
2/0	1	19	95	BK	0.566	198	2.2	798	0.133	0.160	0.043	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

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)**

2/0	1	19	2.41	BK	14.38	295	55.88	3551	0.44	0.52	0.1411	150
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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.

**Stock Code and Color (Other than Black)**

Stock Code	Size AWG	Color
672572	350	Red
663032	600	Red
669289	750	Red

