



AWG
AMERICAN WIRE GROUP
A POWERFUL SOLUTION



SunGuard™

Single Conductor XLPE Aluminum Photovoltaic Wire RPVU90 Rated 2 kV

CONDUCTOR:

- 8 AWG to 1000 kcmil compact aluminum (8000 series)

INSULATION:

- Cross-linked polyethylene (XLPE)
- Available in black or red. Other colours available upon request.

FEATURES:

- Rated 90 °C
- Suitable for direct burial
- Deformation-resistant at high temperatures
- Excellent moisture resistance
- Stable electrical properties over a broad temperature range
- Excellent resistance to crush and compression cuts
- Sunlight resistant

STANDARDS:

- ASTM B800 – Standard Specification for 8000 Series Aluminum Alloy Wire for Electrical Purposes - Annealed and Intermediate Tempers
- ASTM B801 – Standard Specification for Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation
- ASTM B836 – Standard Specification for Compact Round Stranded Aluminum Conductors Using Single Input Wire Construction
- CSA C22.2 No. 271
- CSA or cUL certified type RPVU90 for installation and use in Canada
- Canadian Electrical Code (CE Code)
- ICEA S-95-658/NEMA WC70

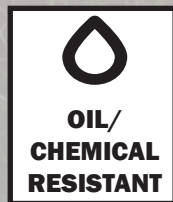
LOCAL CANADIAN COMMERCIAL & TECHNICAL SUPPORT TEAM AVAILABLE



**MOISTURE
RESISTANT**



**SUNLIGHT
RESISTANT**



**OIL/
CHEICAL
RESISTANT**



**CUT
RESISTANT**



TF: 800.342.7215 • sales@buyawg.com • www.buyawg.com



AWG
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Single Conductor XLPE Copper Photovoltaic Wire RPVU90 Rated 2 kV

CONDUCTOR:

- 14 AWG to 1000 kcmil compressed stranded bare copper

INSULATION:

- Cross-linked polyethylene (XLPE)
- Available in black or red. Other colours available upon request.

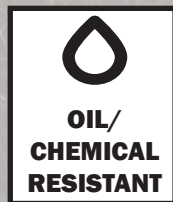
FEATURES:

- Rated 90 °C
- Suitable for direct burial
- Deformation-resistant at high temperatures
- Excellent moisture resistance
- Stable electrical properties over a broad temperature range
- Excellent resistance to crush and compression cuts
- Sunlight resistant

STANDARDS:

- ASTM B3 - Standard Specification for Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft
- ASTM B8 - Standard Specification for Tin-Coated Soft or Annealed Copper Wire for Electrical Purposes
- CSA C22.2 No. 271
- CSA or cUL certified type RPVU90 for installation and use in Canada
- Canadian Electrical Code (CE Code)
- ICEA S-95-658/NEMA WC70

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**SUNGUARD XLPE ALUMINUM 90°C
 PHOTOVOLTAIC WIRE
 RPVU90 Rated 2 kV**

Item #	Conductor Size (AWG or kcmil)
A8-01RPVU2X-00	8
A6-01RPVU2X-00	6
A4-01RPVU2X-00	4
A2-01RPVU2X-00	2
A1-01RPVU2X-00	1
A1/0-01RPVU2X-00	1/0
A2/0-01RPVU2X-00	2/0
A3/0-01RPVU2X-00	3/0
A4/0-01RPVU2X-00	4/0
A250-01RPVU2X-00	250
A300-01RPVU2X-00	300
A350-01RPVU2X-00	350
A400-01RPVU2X-00	400
A500-01RPVU2X-00	500
A600-01RPVU2X-00	600
A750-01RPVU2X-00	750
A1000-01RPVU2X-00	1000

SUNGUARD XLPE **COPPER 90°C
 PHOTOVOLTAIC WIRE
 RPVU90 Rated 2 kV**

Item #	Conductor Size (AWG or kcmil)
14-01RPVU2X-00	14
12-01RPVU2X-00	12
10-01RPVU2X-00	10
8-01RPVU2X-00	8
6-01RPVU2X-00	6
4-01RPVU2X-00	4
3-01RPVU2X-00	3
2-01RPVU2X-00	2
1-01RPVU2X-00	1
1/0-01RPVU2X-00	1/0
2/0-01RPVU2X-00	2/0
3/0-01RPVU2X-00	3/0
4/0-01RPVU2X-00	4/0
250-01RPVU2X-00	250
300-01RPVU2X-00	300
350-01RPVU2X-00	350
400-01RPVU2X-00	400
500-01RPVU2X-00	500
600-01RPVU2X-00	600
750-01RPVU2X-00	750
1000-01RPVU2X-00	1000

Over
26 MILLION METERS
of photovoltaic wire
delivered to our customers!

***For both product types:
 -00 indicates black insulation
 Red -01, White -03, Green -04
 Other colours available upon request*