



**SOUTHWIRE CUSTOMER SPECIFICATION SHEET**  
**Black Photovoltaic Wire 90°C**  
**Type RPVU90 & RPV90**



Picture for reference only. Actual product may vary.

**Standards:**

- CSA C22.2 No. 38
- CSA C22.2 No. 271-11
- ASTM B3, B8, B787
- Rated -40°C, Sunlight Resistant
- RPV90 rated 600V, 1000V, or 2000V
- RPVU90 rated 1000V or 2000V
- RPVU90 is rated for Direct Burial
- RoHS compliant

**Construction:**

Stranded annealed (soft) copper conductor with an abrasion, moisture, and heat-resistant cross-linked XLPE insulation

**Specifications:**

AWG Size	# of Strands	Nominal Insulation Thickness (mils)			Nominal Cable Diameter (in)			Nominal cable weight (lbs/MFT)		
		600V RPV	1kV RPV	1 kV RPVU 2 kV RPV/RPVU	600V RPV	1 kV RPV	1 kV RPVU 2 kV RPV/RPVU	600V RPV	1kV RPV	1 kV RPVU 2 kV RPV/RPVU
14	19 or 7	30	45	60	0.134	0.164	0.194	17	20	24
12	19 or 7	30	45	60	0.153	0.183	0.213	25	28	33
10	19 or 7	30	45	60	0.173	0.201	0.235	38	41	47
8	19 or 7	45	60	80	0.235	0.265	0.305	63	69	76

All values should be considered nominal and subject to normal manufacturing tolerances

**Sample Print Legend:**

LL90458 CSA AWG 10 (5.26 mm<sup>2</sup>) RPVU90 1000V XLPE -40C SR DIR BUR ---  
 (date) --- ROHS