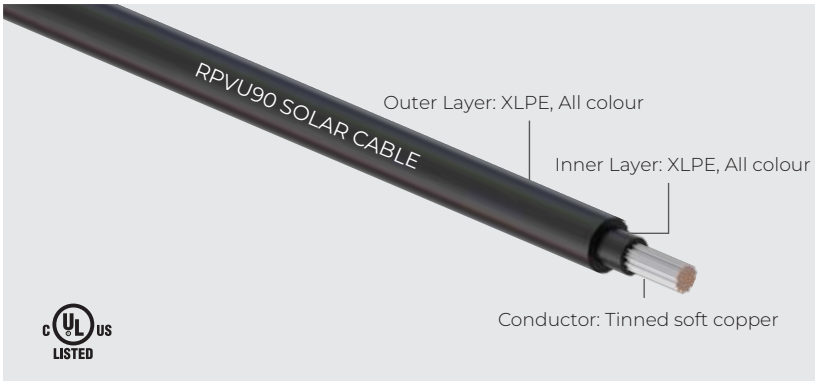
SUNKEAN

RPVU90, RPVU105 Solar Cable Tinned Copper

Dual Layer



Advantage

- Direct burial
- UV resistant
- FT1 & FT2
- More economical

Characteristics

- **Rated Voltage**
  1000/ 2000V
- **Temperature Rating**
  90°C, 105°C
- **According to**
  CSA C22.2 NO.271
- **Certificate Number**
  E517066

Cable Structure

- **Conductor:** Tinned soft copper conductor
- **Inner Layer:** XLPE All colour
- **Outer Layer:** XLPE All colour

Test Item

• **Cold bend and cold impact**	acc.to CSA C22.2 NO. 38-18-5.11
• **Deformation**	acc. to CSA C22.2 NO. 38-18-5.12
• **Flame and smoke**	acc. to CSA C22.2 NO. 38-18-5.14
• **UV-resistant**	acc. to CSA C22.2 NO. 38-18-5.15

Application

Solar cable A highly flexible cable designed for connecting photovoltaic solar systems, it is suitable for many different solar power generation fields, such as large solar power stations, rooftop solar power stations and floating power stations on the surface of the water. Effectively reduce the failure rate and late operating costs of the photovoltaic system.

Cross Section (AWG)	Conductor Stranded O.D. (mm)	Inner Layer Thickness (mm)	Outer Layer Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max (Ω/km, 20°C)
14	1.9	1.16	0.38	5.10±0.20	38.9	8.96
12	2.4	1.16	0.38	5.60±0.20	52.8	5.64
10	3.0	1.16	0.38	6.20±0.20	74.9	3.546
8	4.0	1.35	0.76	8.30±0.20	126.6	2.230
6	5.1	1.69	0.76	10.20±0.20	191.4	1.403
4	6.4	1.69	0.76	11.50±0.30	273.7	0.882
2	8.2	1.69	0.76	13.30±0.30	407.0	0.5548
1	9.1	2.02	1.14	15.80±0.30	530.3	0.4398
1/0	10.3	2.02	1.14	17.00±0.50	643.8	0.3487
2/0	11.6	2.02	1.14	18.20±0.50	785.9	0.2766
3/0	13.1	2.02	1.14	19.70±0.50	960.2	0.2194
4/0	14.7	2.02	1.14	21.40±0.50	1182.7	0.1722

Note: Please refer to the above technical reference number for your reference, please check the technical section of our department for your request.