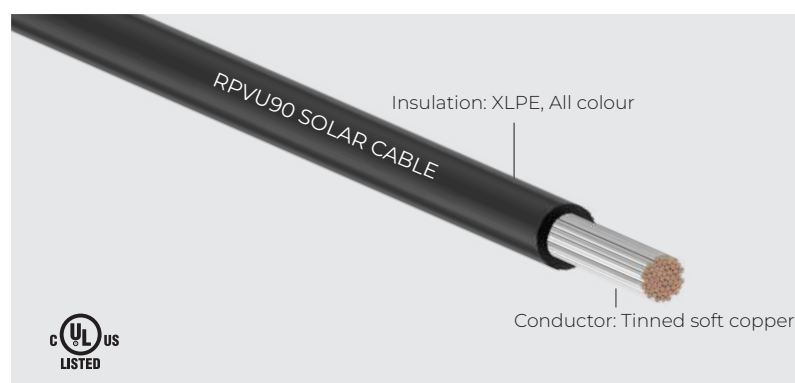


RPVU90, RPVU105 Solar Cable Tinned Copper

Single 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
- **Insulation:** 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 photovoltaic cable for use in interconnection wiring of grounded and ungrounded photovoltaic power systems, suitable for ac and dc systems, in dry and wet locations. For exposed wiring where subjected to the weather, marked sunlight resistant "SUN RES" in all colours. For use in raceways, except that use in cable trays is permitted only for the interconnection of solar photovoltaic systems, in wet, damp, or dry locations, direct-burial.

Cross Section (AWG)	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max (Ω/km, 20°C)
14	1.9	1.52	5.00±0.20	41.4	8.96
12	2.4	1.52	5.50±0.20	55.7	5.64
10	3.0	1.52	6.20±0.20	78.3	3.546
8	4.0	2.03	8.20±0.20	128.9	2.230
6	5.1	2.03	9.30±0.20	182.7	1.403
4	6.4	2.03	10.70±0.30	264.4	0.882
2	8.2	2.03	12.50±0.30	396.9	0.5548
1	9.1	2.41	14.20±0.30	498.7	0.4398
1/0	10.3	2.41	15.50±0.50	610.2	0.3487
2/0	11.6	2.41	16.70±0.50	750.2	0.2766
3/0	13.1	2.41	17.30±0.50	922.0	0.2194
4/0	14.7	2.41	19.80±0.50	1141.7	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.