

## 2-Conductor Solar PV Wire : #12 AWG, 600V



Price: CAD \$2.99

**SKU:** PXTPV-12-2

**Product Categories:** [PV Wire](#), [Shop](#), [Wire](#), [Wiring & BOS](#)

**Product Tags:** [10/2](#), [10awg](#), [2-conductor](#), [600v](#), [black](#), [burial](#), [canada](#), [PV Wire](#), [pv wire canada](#), [pxtpv](#), [pxtpv-10-2](#), [red](#), [rpvu](#), [solar pv wire](#), [solar wire](#), [uv](#)

**Product Page:**

<https://www.modernoutpost.com/product/2-conductor-solar-pv-wire-12-awg-600v/>

### Product Summary

Solar PV wire is usually single conductor, and quite stiff (few, large strands) which can make it somewhat difficult to work with on smaller cabin, boat, RV, and van projects. This 2-conductor (duplex) solar PV wire offers finer stranding which makes it more supple, and only having to pull a single wire has its advantages! The convenient color coded inner jackets provides easy ID & reduces risk of reverse

polarity. Ideal for use in photovoltaic (PV) solar power applications, solar panels, and outdoor applications. Excellent sunlight, UV and ozone resistance. Rated for direct burial and extreme temperatures. UL 4703, UL 854. 600V rating.

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### **PRICED PER FOOT**

Twin conductor (duplex), insulated and jacketed, sunlight resistant, photovoltaic wire rated for 90°C wet or dry, 600V for interconnection wiring of grounded and ungrounded photovoltaic power systems as described in Section 630.31 (and other applicable parts of the National Electric Code (NEC), NFPA 70).

**Conductor:** Soft annealed tinned stranded copper

**Insulation:** Cross-linked Polyethylene (XLPE)

**Jacket:** Extruded thermosetting insulation

**Temperature Range:** -40°C to +90°C (-40°F to +194°F)

**Compliances:** UL Type PV (overall) UL 4703, UL 854, UL RHW-2 600V Direct Burial, Passes UL VW-1 Flame Test, RoHS Compliant

**Features:** Excellent thermal aging, solder damage, flame, and moisture resistance. Resists solvents, grease, ozone and other chemicals. Low power loss, ideal for high frequency applications.

**Voltage Rating:** 600 VAC

Gauge : #12AWG ([larger #10AWG is also available here](#))

Number of Strands (per conductor) : 56

Gauge of Strands : #29AWG

Finished Wire Diameter : 0.21 x 0.44" / 5.5 x 11.25mm

Max Resistance Ohm/per (DC, 20C) : 1.53 1000-ft / 5.09 Km

Weight : 0.846 lbs/10ft / 0.126 kg/m

### **Looking for standard #10 PV wire?**

We have [Black](#)] & [Red](#)] wire available.

Also Home-Run wire ([Black](#)], [Red](#)]) with the appropriate [MC4 connector](#)] installed on one end.

Plus MC4 extension wires ([Black](#)] or [Red](#)]) with [MC4 connectors](#)] at both ends.

Parallel branch connectors, [2:1](#)] and [3:1](#)], are also available.

### Product Attributes

- Dimensions: 10 &times; .5 &times; .5 cm
- Weight: .045 kg