

# Photovoltaic Wire Boat Cable, Trailer Cable

## Photovoltaic Wire

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Manufactured using single layer XLPE insulation, PVX Series PV Wire is rated 90°C wet or dry for both 600 Volt and 1000/2000 Volt constructions. 100% copper conductor. Super-tough thermoset insulation is sunlight resistant in both black and white and offers superb protection from the elements.

### Applications

- NEC Article 690 and NFPA Standard 70 applications
- 600V PV, USE-2, Service-Entrance Cable to be used in accordance with NEC Article 338
- 2000V PV RHH, RHW-2 for circuits not exceeding 2000 Volts
- -40°C TO 90°C Wet or Dry
- Sunlight resistant
- Suitable for direct burial

### Industry Approvals

- UL Listed 4703 Photovoltaic Wire
- CSA Certified RPVU90 or RVP90
- XLPE Insulation
- UL 44 Thermoset - Insulated Wire
- PV, USE-2, RPVU90, RVP90
- UL 854 Service-Entrance Cable
- Flame Resistant VW-1, FV-2



### Legends

**600V:** E332768 (UL) 10 AWG (5.25mm<sup>2</sup>) PHOTOVOLTAIC WIRE TYPE PV 600V SUN RES VW-1 -40 TO 90°C WET OR DRY RHW-2 OR USE-2 ... LL64710 CSA RPVU90 XLPE -40C SR 1000V FT1 DIRECT BURIAL

**1000V/2000V:** E332768 (UL) 10 AWG (5.26mm<sup>2</sup>) PHOTOVOLTAIC WIRE TYPE PV 1000V/2000V SUN-RES VW-1 -40°C TO 90°C WET OR DRY RHW-2 OR USE-2 --- LL64710 CSA RPVU90 XLPE -40°C SR 2000V FT-1 DIRECT BURIAL



Prebuilt Solar Panel Cables and MC10 Wire available on page 29

### PV • USE-2 600V / RHH • RHW-2 • 2000V

Part Number	Volts	Color	AWG	Conductor Stranding	Insulation Diameter	Outside Thickness	Approximate Diameter
PVX1019	600V	● Black	10	19/.0234	0.114"	0.060"	0.234"
PVX1019-2KV	1000V/2000V	○ White	10	19/.0234	0.114"	0.075"	0.264"

## Multi-Conductor Boat Cable

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UL Listed E321438 premium **Boat Cable** is designed for best performance and maximum corrosion protection in harsh marine environments.



**Triplex** Black, white, green conductors; white outer jacket



- Ultra-flexible Class K copper stranding resists fatigue from vibration and flexing
- Tinned for maximum protection against corrosion and electrolysis



**Duplex** Black, white conductors; white outer jacket



- Round design for easy handling and installation
- Jacket stays ultra flexible in extreme cold and resists saltwater, oil, gasoline, heat and sunlight



**DC Duplex** Red, yellow conductors; white outer jacket



- Rated 600 Volts for temps up to 221°F (105°C) dry, 167°F (75°C) wet



### Typical Legend

POLAR WIRE BOAT CABLE (UL)  
12 AWG 3/COND VW-1 600V  
105C DRY 75C WET BC5W2  
MADE IN USA RoHS COMPLIANT



### Triplex 3 Conductors: Black, White, Green

Part Number 100' Spool	Part Number 1000' Spool	Conductor AWG/Qty
BCR103-100	BCR103M	10/3
BCR123-100	BCR123M	12/3
BCR143-100	BCR143M	14/3
BCR163-100	BCR163M	16/3

### Duplex 2 Conductors: Black, White

Part Number 100' Spool	Part Number 1000' Spool	Conductor AWG/Qty
BCR102-100	BCR102M	10/2
BCR122-100	BCR122M	12/2
BCR142-100	BCR142M	14/2
BCR162-100	BCR162M	16/2

### DC Duplex 2 Conductors: Red, Yellow

Round DC Duplex		
BCR102YR-100	BCRYR102M	10/2
BCR122YR-100	BCRYR122M	12/2
BCR142YR-100	BCRYR142M	14/2
BCR162YR-100	BCRYR162M	16/2

Flat DC Duplex		
BCF142YR-100	BCFYR142M	14/2