

# SOLAR SOLUTIONS



**PRIORITY**  
WIRE & CABLE, INC.  
5/8x8 UL



- ON TIME
- ACCURATE
- FLEXIBLE SERVICE
- QUALITY PRODUCTS
- CUSTOM SOLUTIONS



# OUR GOALS:

## Save You Time and Money in the Field!

Priority Wire & Cable helps contractors to be as efficient as possible in the field by being their primary supplier. That means reduced labor, reduced time to install and on-time commissioning. If your cable supplier is costing you money with late deliveries, inaccurate shipments, poor communication or defective product you need a new supplier. Priority will solve these problems and eliminate unexpected costs



**BEST**  
service



**BEST**  
on-time  
delivery  
record



**LARGEST**  
solar  
cable  
inventory



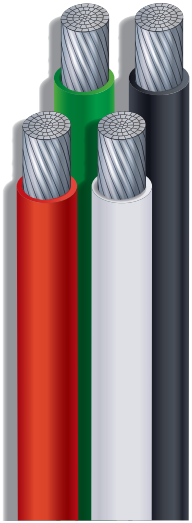
**TOP**  
quality  
products



Priority Wire & Cable's top quality products have been tested, approved and proven by the most demanding EPC's, Panel Manufacturers and OEM's in the solar industry. Our long-term relationships are proof of the job done right.



## Aluminum PV Cable XLPE 2KV



- Application:** PV Cables are suitable for use in solar power, Type PV, Type USE-2 and Type RHW-2 applications, which require superior resistance to flame and extreme temperatures. PV Cables are suitable for applications up to 2000 volts, direct burial, and for operation temperatures from -40°C to 90°C in wet or dry locations
- Conductor:** Compact stranded 8000 Series Aluminum Alloy conductor
- Insulation:** Shrinkback resistant cross-linked polyethylene (XLPE) insulation, gas/oil and sunlight resistant, direct burial rated. Standard colors are black, red 8AWG - 1000KCM and green in size 4AWG - 1/0AWG. Other colors or stripes are available upon request
- Standards:** UL listed Photovoltaic Wire, RHW-2, & USE-2 per UL 4703, 44 & 854  
c(UL) listed RPVU90 per CSA C22.2 No. 271  
ANSI/ICEA S-95-658/NEMA WC 70  
Sunlight Resistant, Direct Burial, VW-1 flame test  
-40°C to 90°C wet or dry  
RoHS compliant
- Options:** 600V UL PV Wire, CSA listed 600V/1KV/2KV RPV90 RPVU90 in all colors available upon request

## Copper PV Cable XLPE 2KV



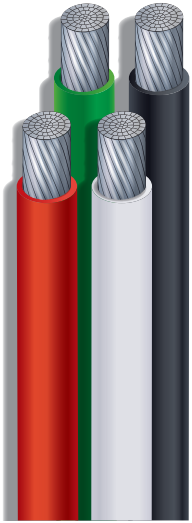
- Application:** Copper PV Cables are suitable for use in interconnection wiring of grounded and ungrounded photovoltaic power systems. The cable is for applications up to 600V or 2KV per rated voltage and temperatures from -40°C to +90°C wet or dry
- Conductor:** Stranded copper conductor
- Insulation:** Shrinkback resistant cross-linked polyethylene (XLPE) insulation, gas/oil and sunlight resistant, direct burial rated
- Standards:** UL listed Photovoltaic Wire, RHW-2, & USE-2 per UL 4703, 44 & 854  
Sunlight Resistant  
Direct Burial  
-40°C to 90°C wet or dry  
RoHS compliant

Stocking sizes 10AWG, 8AWG, and 6AWG including bulk reels of 10AWG in 5,000' and 10,000' lengths



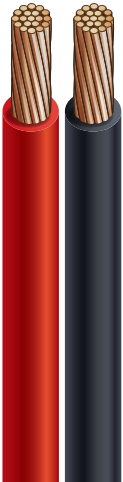


## Aluminum PV Cable XLPE 600V



- Application:** Aluminum PV Photovoltaic Cable is suitable for use as interconnection wiring of grounded and ungrounded photovoltaic power systems. The cable is for applications up to 600 volts and temperatures from -40°C to +90°C wet or dry
- Conductor:** Compact or compressed round stranded 8000 series aluminum alloy conductor
- Insulation:** Shrinkback resistant cross-linked polyethylene (XLPE) insulation, gas/oil and sunlight resistant, direct burial rated.
- Standards:** UL listed Photovoltaic Wire per UL 4703  
Type RHH/RHW-2 or USE-2 per UL 44 and UL 854  
ASTM B800, B836, B901  
Sunlight Resistant, Direct Burial, VW-1 flame test  
-40°C to 90°C wet or dry
- Options:** 1KV/2KV UL PV Wire, CSA listed 600V/1KV/2KV RPV90 RPVU90 in all colors available upon request

## Copper PV Cable XLPE 600V



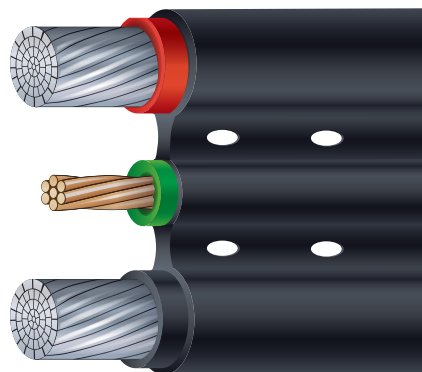
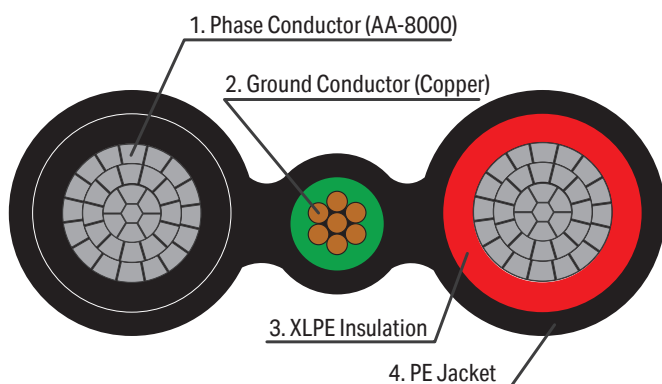
- Application:** Copper PV Cables are suitable for use in interconnection wiring of grounded and ungrounded photovoltaic power systems. The cable is for applications up to 600V and temperatures from -40°C to +90°C wet or dry
- Conductor:** Stranded copper conductor
- Insulation:** Shrinkback resistant cross-linked polyethylene (XLPE) insulation, gas/oil and sunlight resistant, direct burial rated. Black, red, white & green standard colors. Other colors available upon request
- Standards:** UL listed Photovoltaic Wire, RHW-2, & USE-2 per UL 4703, 44 & 854  
Sunlight Resistant  
Direct Burial  
VW-1 flame test  
-40°C to 90°C wet or dry

Stocking sizes 10AWG including bulk reels in 5,000' and 10,000' lengths





# FloatLink™ Paralleled Aluminum PV Cable 2KV (Patent Pending)



**Application:** FloatLink™ Paralleled Aluminum Photovoltaic Cable 2KV is for use in interconnection wiring of grounded and ungrounded photovoltaic power systems. Water resistant and suitable for wet or dry locations and underground direct burial applications up to 2000 volts and temperatures from -40°C to +90°C

**Conductors:** Compact stranded 8000 series aluminum alloy phase conductors. Black & red

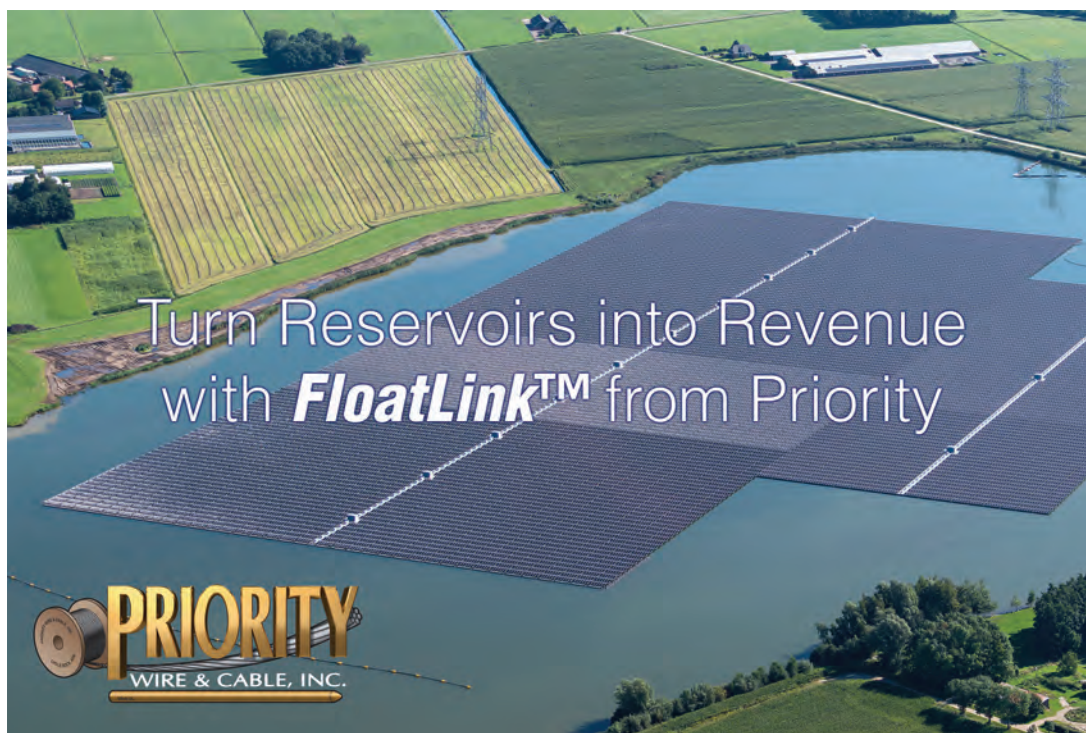
**Ground Conductor:** Stranded bare annealed copper. Green

**Insulation:** Shrinkback resistant cross-linked polyethylene (XLPE) insulation, gas/oil and sunlight resistant, direct burial rated.

**Jacket:** Overall Black PE water resistant jacket with intermediate holes along the length of the cable between the ground and each phase conductor to facilitate installation. TPE and other jacketing materials available upon request

**Assembly:** Insulated aluminum conductors and copper ground paralleled under an overall jacket

**Standards:** Insulated conductors are UL listed PV/RHH/RHW-2 2KV per UL 44 and UL 4703  
NEC Article 690.31  
ASTM B3, B8, B800, B801  
Sunlight Resistant, Direct Burial, VW-1 flame test



# Aluminum Conductor 15KV & 35KV MV90/MV105 - Concentric Neutral



- Application:** Aluminum Conductor 15KV/35KV cable is primary used for underground distribution, in direct burial or installed in conduit. 15KV/35KV cable is suitable for use in wet or dry locations. Cable is to be used at 15,000 or 35,000 volts or less and not to exceed 90°C continuous, 130°C emergency and 250°C short-circuit operation temperatures in normal use
- Conductor:** Solid or compressed concentric stranded 1350 series aluminum conductor per ASTM B230, B231, B609
- Conductor Shield:** Extruded thermoset semiconducting shield, free stripping from the conductor and bonded to the insulation
- Insulation:** Natural high dielectric strength TR-XLPE insulation covered by an extruded thermoset semiconducting insulation shield. Optional EPR insulation is available upon request
- Metallic Shield:** Concentric neutral shield consisting of solid bare copper wires helically applied and uniformly spaced over the insulation shield
- Jacket:** Black jacket of linear low density polyethylene (LLDPE) or PVC, which is sunlight, abrasion, impact and puncture resistant. The jacket has three red stripes, the NESC lightning bolt and sequential footage markings
- Standards:** ASTM B3, B230, B231, B258, B609  
ANSI/ICEA S-94-649  
AEIC CS8  
UL 1072 MV-90 (MV-105 available upon request)  
RUS ACCEPTED

# Tray Cable UL Type TC/TC-ER - 600V with Ground PVC Jacket XHHW-2 or THHN/THWN-2 Insulation



- Application:** General purpose multi-conductor 600V power cables used for primary power/feeder circuits. For installation in cable trays in accordance with NEC Article 336. Cable is approved for use in raceways, supported by messenger wire in open air, for direct burial applications, in Class I & II division 2 hazardous locations and for Class 1 circuits as permitted in NEC Article 725.11(b). May be installed in both wet and dry locations or in areas exposed to chemicals and oils
- Conductor:** Soft or annealed bare copper per ASTM B3, Class B stranding per ASTM B8
- Insulation:** Heat and moisture resistant cross-linked polyethylene (XHHW-2) per UL 44 or Polyvinylchloride (PVC) and Polyamide (Nylon) jacket of Type THHN/THWN-2 per UL83. The insulation is flame retardant and is rated for use at 90°C wet or dry
- Ground:** Soft or annealed bare copper per ASTM B3, Class B stranding per ASTM B8
- Color Code:** ICEA Method 1, Table E-2. Other color codes available upon request
- Assembly:** Conductors and ground are cabled together with or without fillers as needed to form a round, compact cable core and covered with an overall PVC jacket
- Flame Test:** IEEE 1202/UL 1685, 70,000 BTU/HR vertical tray flame test
- Standards:** ASTM B3, B8  
NEMA WC70/ICEA S-95-658, NEMA WC57/ICEA S-73-532  
UL 44, 83, 1277

# Priority Has Supplied DC Cable to Over 30GW of Utility Scale Projects All Across the US



## Over 18 MILLION Ft of Solar Inventory in Stock

### Priority Capabilities:

- Cut to length
- Paralleling
- Triplexing
- Armoring
- Striping
- Splice Kits (MV Cable)
- Termination Kits (MV Cable)
- Pulling Eyes
- Custom Labels
- Kitting
- Same Day Shipping
- 24 Hour Emergency Hotline

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Aluminum Building Wire	Bare Copper
Portable Cord	Utility Aluminum
Extension Cords	MC Cable
Fire Alarm	Tray Cable
Belden® Equals	PV Cable
Ground Rods	Medium Voltage
THHN Colors	Coax, Cat 5e & 6
Range & Dryer	Thermostat Wire
Welding Cable	Flexible Conduit







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