

Solar Cable

PV Al 2kV / PV WIRE

UL aluminium PV cable

ACCORDING TO: UL 4703 PV WIRE / UL 44 USE-2



100% Green Energy
Cable Production

APPLICATION

PV Al 2kV PV WIRE is a UL certified cable suitable for all types of underground and open air installations. This cable is specially designed for connections in large scale rooftops and ground farms.

- Solar PV installations.
- DC feeders cable.

CONSTRUCTION

Conductor

Compacted aluminum (8.000 series).

Insulation

Low smoke Halogen Free (LSHF), rubber (XLEVA type according to UL).

Outer sheath

Low smoke Halogen Free (LSHF), rubber (XLEVA type according to UL).
Black colour.

CHARACTERISTICS

Electrical performance

⚡ UL 2000 V.

Thermal performance

🌡️ Maximum service temperature: 120°C.
Maximum short-circuit temperature: 250°C (max. 5 s).
Minimum service temperature: -40°C.

Fire performance

🔥 Flame non-propagation according to UL VW-1.
Reduced halogen emission: Chlorine <15%.
Low smoke emission, Light transmittance > 60%.
Low corrosive gases emission according to EN 60754-2 and IEC 60754-2.
Flame resistant according to UL PV WIRE.
Reaction to fire CPR: Eca, according to EN 50575.

Mechanical performance

⤵️ Minimum bending radius: x5 cable diameter.
Impact resistance: AG2 Medium severity.

Environmental performance

🌐 Chemical performance:
Chemical & Oil resistance: Excellent.
Grease & mineral oils resistance: Excellent.
UV Resistant according to EN 50618 and UL 2556.
Ozone resistant according to EN 50618.
Water resistance:
AD8 Submersion.

Installation conditions

☀️ Open Air.
Buried.

STANDARDS / COMPLIANCE

Based on

UL PV WIRE / UL 4703 PV WIRE / UL 44 USE-2.

Standards and approvals

⊖ UL LISTED / RoHS.

CPR (Construction Products Regulation)

E_{ca}

