

Solar Cable

Al 1500 V

Aluminium PV cable.

ACCORDING TO: IEC 60502-1 / NFC 32-321 / EN 50618 (parcial)



100% Green Energy
Cable Production

APPLICATION

PV DC Feeder Aluminium 1500 PV cable is suitable for all types of underground and open air solar installations. This cable is recommended for connections between string boxes and photovoltaic inverters in large scale rooftops or ground farms.

- Solar PV installations.
- Heavy impact and armoured versions also available.

CONSTRUCTION

Conductor

Aluminium conductor, class 2 according to EN 60228 and IEC 60228.

Insulation

Cross-linked polyethylene insulation, type XLPE according to IEC 60502-1. Natural colour.

Outer sheath

Special flexible UV resistant PVC, type ST2 according to IEC 60502-1. Black colour.

CHARACTERISTICS

Electrical performance

- ⚡ Low voltage 1,5/1,5 (1,8) kV DC according to EN 50618.
1,8/3 (3,6) kV AC according to IEC 60502-1.

Thermal performance

- 🌡️ Maximum service temperature: 90°C.
- Maximum short-circuit temperature: 250°C (max. 5 s).
- Minimum service temperature: -40°C (fixed and protected installations).
- Minimum installation and handling temperature: 0°C (on cable surface).

Fire performance

- 🔥 Flame non-propagation according to EN 60332-1 and IEC 60332-

- 1.Reduced halogen emission. Chlorine <15%.
- 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 resistance: Good.
 - Grease & mineral oils resistance: Good.
 - UV Resistant according to EN 50618 and HD 605/A1.
 - Ozone resistant according to EN 50618.
- Water resistance:
 - AD8 Submersion according to IEC 60364-5-51.

Installation conditions

- ☀️ Open Air.
- Buried.
- In conduit

STANDARDS / COMPLIANCE

Based on

IEC 60502-1 / NFC 32-321 / EN 50618 (parcial).

Standards and approvals

CE / RoHS.

CPR (Construction Products Regulation)

E_{ca}

