

Solar Cable

H1Z2Z2-K DUAL

Aluminium PV cable.

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



100% Green Energy
Cable Production

APPLICATION

H1Z2Z2-K PV Dual cable is suitable for photovoltaic installations. Highly flexible cable, suitable for wet, damp and humid locations. Specially indicated for the connection between photovoltaic panels, and from the panels to the inverter. It is a dual certified cable as requested by the leading global manufacturers of solar panels and junction boxes.

- Solar PV installations.

CONSTRUCTION

Conductor

Electrolytic annealed tinned copper conductor, Class 5 (flexible) according to IEC 60228 and EN 60228.

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

- ⚡ Low voltage 1,5/1,5 (1,8) kV DC · UL 2000V Type PV/RHW-2
UL 600 V USE-2.

Thermal performance

Maximum service temperature: 120°C.
Maximum short-circuit temperature: 250°C (max. 5 s).
Minimum service temperature: -40°C (fixed and protected installations).

Fire performance

Flame non-propagation according to EN 60332-1 and IEC 60332-1.
LSHF (Low Smoke Halogen Free) according to EN 60754-1 and IEC 60754-1.
Low smoke emission according to EN 61034 and IEC 61034:
Light transmittance > 60%.
Low corrosive gases emission according to EN 60754-2 and IEC 60754-2.
Reaction to fire CPR: Cca -s1b, d2, a1, 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.
In conduit

STANDARDS / COMPLIANCE

Based on

UL 4703 PV WIRE / UL 44 USE-2 / EN 50618 /
IEC 62930 / UTE C 32-502 .

Standards and approvals

UL LISTED / TÜV/ RETIE / CE / RoHS.

CPR (Construction Products Regulation)

C_{ca}-s1b, d2, a1.

