

FLEXIBLE PV1-F, H1Z2Z2-K CABLES FOR PHOTOVOLTAIC SYSTEMS



TECHNICAL DATA

- Max. Operating Temperature: 120°C
- Max. Short Circuit Temperature: (max. 5 sec.) 250°C
- Rated Voltage: 1.1/1.1kV AC - 1.5/1.5kV DC
- Min. Bending Radius: 4x Cable Outer Diameter
- Production Standard: DKE/VDE AK 411.2.3 TÜV 2 Pfg 1169/08.2007

CONSTRUCTION

Conductor: Electrolytic Annealed, Class 5 Stranded Tinned Copper Wires

Insulation: Cross-linked polyolefin compound

Outer Sheath: Cross-linked polyolefin compound

CODE of CABLE

- PV1-F, H1Z2Z2-K

INTRODUCTION

Photovoltaic cable, also known as PV cable, is a single conductor wire used to connect the panels of a photovoltaic electric energy system. PV systems are solar-power generation systems that use an energy conversion method to convert sunlight into electricity. Electricity is generated at the panel, and cable is required to transport it to a collection point or piece of equipment. Photovoltaic wire is a specific kind of cable created for PV applications.

SECTION RANGE

- From 1.5mm² up to 240mm²

CONDUCTOR QUANTITY

- These cables can be produced with single core

COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.
* **Other colours can be produced upon the customer requests.**

FIRE PERFORMANCE OF CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.