



## Robust solar cables with large conductor cross-sections

Reinforced outer sheath gives enhanced protection against mechanical stress; High thermal capacity for long-lasting operation of the PV system in all seasons; Reduction of flame propagation and of toxic combustion gases in the event of fire; For outdoor use, and if the general installation guidelines are followed, this is also suitable for direct burial; Exact quantity control during installation by meter marking on the cable sheath

- Reinforced outer sheath design
- For high electrical power loads
- Suitable for direct burial



## Product description

### Application range

- Large conductor cross sections are used as a collecting main to transmit high power loads between the individual panel strings and as connection to the DC/AC inverter of large PV plants and solar fields
- For connecting individual module strings, as well as for fixed solar generators and moving tracking systems

### Benefits

- Reinforced outer sheath gives enhanced protection against mechanical stress
- High thermal capacity for long-lasting operation of the PV system in all seasons
- Reduction of flame propagation and of toxic combustion gases in the event of fire
- For outdoor use, and if the general installation guidelines are followed, this is also suitable for direct burial

- Exact quantity control during installation by meter marking on the cable sheath

## Product Make-up

- Fine-wire, tinned-copper conductor
- Core insulation made of electron beam cross-linked copolymer
- Outer sheath made of electron beam cross-linked copolymer
- Outer sheath colour: black

## Product features

- Weather/UV-resistant acc. to HD 605/A1
- Ozone-resistant according to EN 50396
- Halogen-free and flame-retardant
- Good notch and abrasion resistance
- XLS - X-Linked Standard  
Proven electron beam cross-linked quality

## Technical Data

Core identification code

Classification

Conductor stranding

Minimum bending radius

Nominal voltage

Test voltage

Temperature range

Colour: black (RAL 9005)

ETIM 5.0 Class-ID: EC001578

ETIM 5.0 Class-Description: Flexible cable

Fine wire according to VDE 0295,  
class 5/IEC 60228 class 5

Fixed installation: 4 x outer diameter

AC  $U_0/U$  : 600/1000 V

DC  $U_0/U$  : 900/1500 V

Max. permissible operating voltage:

DC 1,8 kV (Conductor-conductor, non earthed system)

AC 6500 V

Fixed installation: -40°C to +100°C max. conductor  
temperature