

SOLARFLEX®-X PV1-F NTS



Technical data

- **Temperature range**
-40°C to +90°C
max. temperature at conductor +120°C
- **Short circuit temperature**
200°C (short circuit duration up to 5 s)
- **Nominal voltage**
VDE 600/1000 V AC
1800 V DC conductor/conductor
- **AC test voltage**
10000 V
- **Minimum bending radius**
flexing 10x cable Ø
fixed installation 4x cable Ø
- **Highest permissible Voltage**
 - DC:
Conductor/Conductor 1,8 kV
Conductor/Earth 0,9 kV
 - AC: Conductor/Earth 0,7 kV
 - Three phase: Conductor/Conductor 1,2 kV

Cable structure

- Tinned copper-conductor, to
DIN VDE 0295 cl.5, fine-wire,
IEC 60228 cl.5
- Core insulation of cross-linked Polyolefin
- Core identification white
- Outer sheath of cross-linked Polyolefin
- Sheath colour black
- Braiding of of stainless steel
single V2A (rodent protection)

Properties

- Double-insulated
- Approval: TÜV 2Pfg 1169/08.2007
- UV-, ozone-resistant, weather-resistant
- Halogen-free
- Abrasion and cut resistant
- Relatively flexible
- Easy to strip
- Flame-resistant according to
DIN VDE 0482 Part 332-1-2, IEC 60332-1-2
- Resistant to short circuits up to 200°C
thanks to double insulation, short circuit
temperature 200°C/5 sec.
- Anticipated service life 25 years

Note

- Further sizes are available on request.
- Not for direct installation in ground

Application

The SOLARFLEX®-X PV1-F NTS version with rodent protection, is used in PV systems mainly in farms and agricultural areas.

CE The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part no.	No. cores x cross-sec. mm²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
706307	1 x 4	5,8	38,4	80,0	12
706308	1 x 6	6,5	57,6	106,0	10

Part no.	No. cores x cross-sec. mm²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
706309	1 x 10	7,5	96,0	152,0	8

Dimensions and specifications may be changed without prior notice.