SOLARFLEX®-X PV1-F TWIN

Technical data

- **Temperature range**
  -40°C to +90°C
  max. temperature at conductor +120°C
- **Short circuit temperature**
  250°C (short circuit duration up to 5 s)
- **Nominal voltage**
  VDE U_0/U 600/1000 V AC
  1800 V DC conductor/conductor
- **AC test voltage**
  6500 V, 50 Hz, 15 kV DC
- **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 black and red
- Outer sheath of cross-linked Polyolefin
- Sheath colour black

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 acc. to DIN VDE 0482 part 332-1-2, IEC 60332-1-2
- Anticipated service life 25 years

Note

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

Application

The SOLARFLEX®-X PV1-F TWIN is used for cabling solar modules.
CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part no.	No.cores x cross-sec. mm²	Outer dimension app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
707234	2 x 2,5	5,4 x 11,0	50,0	95,0	14
707235	2 x 4	5,8 x 11,8	80,0	125,0	12

Part no.	No.cores x cross-sec. mm²	Outer dimension app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
705769	2 x 6	6,8 x 13,6	120,0	187,0	10
707236	2 x 10	7,8 x 15,8	200,0	254,0	8

Dimensions and specifications may be changed without prior notice.