



## Technical data

- **Temperature range**  
-40°C to + 90°C  
max. Temp. at conductor +120°C
- **Nominal voltage**  
according to VDE 600/1000/V AC  
1800V DC conductor/conductor
- **AC test voltage**  
50 Hz 400V
- **Minimum bending radius**  
for fixed installation  
approx. 4 cable diameters

## Cable structure

- double-insulated
- bare copper, tinned, finely stranded according to DIN VDE 0295 class 5 and IEC 60228 cl. 5
- insulation cross-linked special compound
- outer sheath cross-linked special compound
- sheath colour black

## Properties

- approval: VDE and TÜV
- UL on request
- UV, ozone, weather and hydrolysis-resistant
- very good resistance to oils and chemicals
- flame-resistant according to VDE 0482-332-1-2, DIN EN 60332-1
- very robust and abrasion-resistant sheath
- resistant to short-circuits up to 200°C thanks to their double insulation; short circuits temperature 200°C/5 sec.
- anticipated service life - 25 years
- RoHS conformity

## Application

The SOLARFLEX®-X PV1-F is used for the cabling between interconnected solar modules.

Part No.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
704225	1 x 2.5	4.5	24.0	55.0	14
704226	1 x 4	5.2	38.4	85.0	14
704227	1 x 6	5.9	57.6	95.0	14
704228	1 x 10	6.9	96.0	110.0	14
704229	1 x 16	8.3	153.6	170.0	14
704230	1 x 25	10.0	240.0	295.0	14
704231	1 x 35	11.0	336.0	395.0	14
704232	1 x 50	13.0	480.0	630.0	14
704233	1 x 70	15.3	672.0	850.0	14
704234	1 x 95	17.0	912.0	1200.0	14

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Dimensions and specifications may be changed without prior notice.