

Technical data

- **Temperature range**
-40°C to +90°C
max.Temp. at conductor +120°C
- **Nominal voltage**
according to VDE 600/1000V AC
1800V DC conductor/conductor
- **AC test voltage**, 50 Hz
4000 V
- **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 0482-332-2, 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

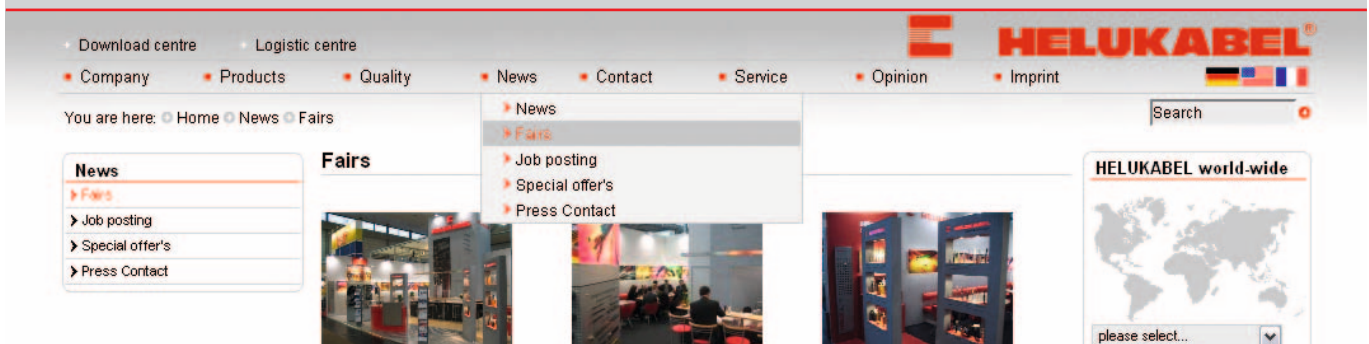
Application

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

Part No.	No. cores x cross-sec. mm ²	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

Dimensions and specifications may be changed without prior notice.

Our Service on the Internet



Trade fair appointments

In the Internet, you will find the trade fairs we are participating in, both in Germany and abroad. Please visit our Website and arrange an appointment with us. We are looking forward to your visit.

www.helukabel.de