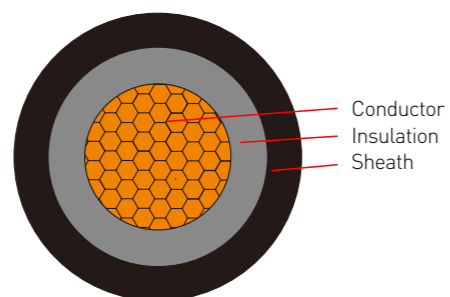


Solar cables

Standards: 2 Pfg 1169, EN 50618



Technical data

Rated voltage:

	AC/Volt	DC/Volt
2 Pfg 1169	600/1000	1800
EN 50618	1000/1000	1500

Temperature range:

Maximum conductor temperature in normal use: 120°C

Lowest ambient temperature in normal use: -40°C

Minimum installation temperature (cable): 0°C

Maximum conductor temperature at short circuit of 5s: 250°C

Construction

1. Conductor: Tinned Class 5 copper conductor according to EN 60228.

2. Insulation: Low smoke halogen free cross-linked polyolefin compound according to 2Pfg 1169/EN 50618.

3. Sheath: Low smoke halogen free cross-linked polyolefin compound according to 2Pfg 1169/EN 50618.

Sheath color: Black, Red.

Minimum bending radius: 4D

D is outer diameter of cable.

Application

The cable is used at the DC-side of photovoltaic systems with a maximum permissible voltage of DC 1,8kV(conductor/conductor, non earthed system).

PV1-F

No. of cores& Cross sectional area	Min. thickness of insulation	Min. thickness of sheath	Max. overall diameter of cable	Approx. weight of cable
	mm	mm	mm	kg/km
1x1.5	0.5	0.5	4.4	30
1x2.5	0.5	0.5	5.1	42
1x4	0.5	0.5	6.5	64
1x6	0.5	0.5	7.1	85
1x10	0.5	0.5	8.3	130
1x16	0.5	0.5	11.0	205
1x25	0.5	0.5	13.4	309
1x35	0.5	0.5	15.4	412

H1Z2Z2-K

No. of cores& Cross sectional area	Nominal thickness of insulation	Nominal thickness of sheath	Max. overall diameter of cable	Approx. weight of cable
	mm	mm	mm	kg/km
1x1.5	0.7	0.8	5.6	43
1x2.5	0.7	0.8	6.4	55
1x4	0.7	0.8	7.0	71
1x6	0.7	0.8	7.7	92
1x10	0.7	0.8	8.8	138
1x16	0.7	0.9	11.3	211
1x25	0.9	1.0	13.6	315
1x35	0.9	1.1	15.9	425
1x50	1.0	1.2	16.4	566
1x70	1.1	1.2	19.4	779
1x95	1.1	1.3	21.1	993
1x120	1.2	1.3	23.6	1242
1x150	1.4	1.4	28.3	1558
1x185	1.6	1.6	29.9	1889
1x240	1.7	1.7	31.2	2411