



CABLES FOR PHOTOVOLTAIC SYSTEMS

The requirements acc. to the DKE draft AK 411.2.3* are fulfilled.

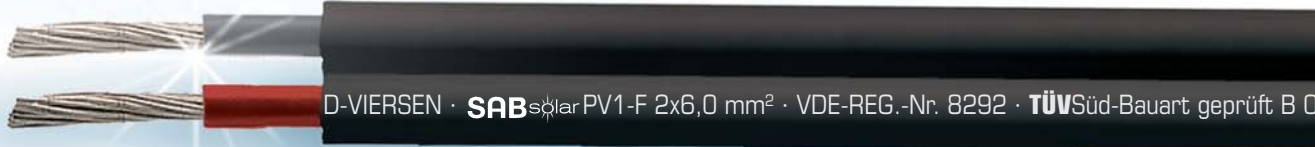


B 090361971003

SAB solar PV1-F dual halogen-free twin cable for photovoltaic systems

VDE-REG. no. 8292

+120 °C



D-VIERSEN · SAB solar PV1-F 2x6,0 mm² · VDE-REG.-Nr. 8292 · TÜV Süd-Bauart geprüft B 090361971003

Marking for SAB solar PV1-F dual 71918317:

SAB BRÖCKSKES · D-VIERSEN · SAB solar PV1-F 2x6,0 mm² · VDE-REG.-Nr. 8292 · TÜV Süd-Bauart geprüft B 090361971003 CE

Construction:

Conductor :	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Primary insulation:	SABIX [®] solar
Color code primary insulation:	black / red or black / blue
Secondary insulation:	SABIX [®] solar
Color code secondary insulation:	black

Outstanding features:

- fulfills DKE draft AK 411.2.3 as at 12.02.2008
- halogen-free
- no flame propagation
- flame retardant and self-extinguishing
- up to +120 °C
- weather resistant
- sunlight resistance
- with improved fire performance
- expected service life, up to 25 years
- very good resistance against acids and alkaline solutions

Technical data:

Nominal voltage U ₀ /U:	0,6/1 kV (AC)
Testing voltage:	6500 V (AC)
Min. bending radius	
Ø ≤ 12 mm:	3 x d
Ø > 12 mm:	4 x d
Temperature range	VDE-REG.-no. 8292 as well as TÜV SÜD type tested B 090361971003: up to +90 °C
for ambient temperature:	
maximum temperature at the conductor:	+120 °C
for installation:	-30/+120 °C
fixed laying:	-40/+120 °C
short circuit:	+250 °C
Halogen-free :	no hydrogen chloride content acc. to EN 50267-2-1, no fluorine content acc. to EN 60684-2
Corrosiveness of conflagration gases:	in compliance with IEC 60754-2 + EN 50267-2-2 VDE + 0482 part 267-2-2 no development of corrosive conflagration gases
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 +EN 60332-1-2
Weather resistance:	very good
Ozone resistance:	acc. to EN 50396
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24

item no.	Ader-anzahl	nominal cross-section mm ²	outer-Ø approx. mm	copper figure kg/km	cable weight ≈ kg/km
7191 .. 16	2	4,00	6,0 x 11,9	76,8	140
7191 .. 17	2	6,00	6,9 x 13,8	115,2	190
7191 .. 18	2	10,0	8,7 x 17,4	192,0	323

Other dimensions are possible on request.

Marking for primary insulation and secondary insulation

Primary insulation / secondary insulation

83 red / black	23 blue / black
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Other colours are possible on request.

suitable for protecting class II

