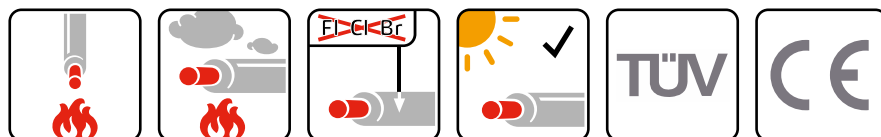


Solar cable PV1-F acc. to 2 Pfg 1169/08.07



Conductor material:	tinned copper
Conductor class:	class 5 = fine stranded
Insulation:	cross-linked polyolefin-copolymer
Sheathing material:	cross-linked polyolefin-copolymer
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free:	DIN EN 50267/IEC 60754
Ozone-resistant:	yes
Maximum permitted conductor temperature:	126 °C
Permitted outer cable temperature, fixed:	-40 - +90 °C
Permitted outer cable temperature, in motion/ during installation:	-40 - +90 °C
Bending radius, fixed installation:	4 x DA
Bending radius, moving application:	6 x DA
Nominal voltage U₀:	600 V
Nominal voltage U:	1 kV
Nominal voltage (DC):	0,9/1,8 kV
Test voltage:	6,5 kV

Application: For free movable or fixed installation in photovoltaic installations according to EN 60364-7-712. Cable may be used indoor, outdoor, in explosion hazard areas in industry and agriculture. It is treated as short-circuit and earth-fault safe.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics FABER® SOLAR PV1-F

p/n	part name	D _I [mm]	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	F _{ZV} [N]	Cu [kg/km]	G [kg/km]
040845	PV1-F 01X35 black	9,2	0,565	223	11,4	525	336	410
040834	PV1-F 01X2,5 blue	2,4	8,21	41	4,6	38	24	36
040835	PV1-F 01X2,5 red	2,4	8,21	41	4,6	38	24	36

The current rating is calculated for 60 °C ambient temperature and 120 °C on conductor.

DI	Conductor diameter
RI	Conductor resistance
Ibl	Ampacity in air (30 °C)
DA	Outer diameter approx.
Fzv	Tensile strength (during installation)
Cu	Copper weight (GER)
G	weight