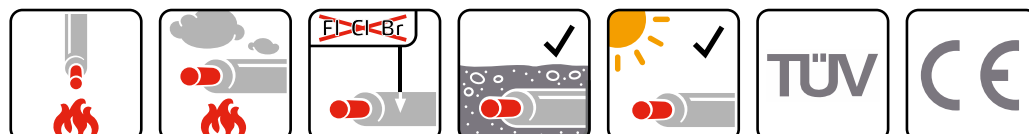


Solar cable PV1-F DB acc. to 2 Pfg 1169/08.07



Conductor material:	tinned copper
Conductor class:	class 5 = fine stranded
Insulation:	cross-linked polyolefin
Sheathing material:	cross-linked polyolefin
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free:	DIN EN 50267/IEC 60754
Maximum permitted conductor temperature:	120 °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

Application: For free movable or fixed installation in photovoltaic installations according to EN 60364-7-712. Cable may be used indoor, outdoor, in earth (please note the laying instruction), in explosion hazard areas in industry and agriculture. The cable is considered to be short-circuit and earth-fault safe. It fulfills requirements of VDE-AR-E 2283-4.



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 cables PV1-F, TUEV2, 0.6/1 kV, burial

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]
040966	PV1-F 01X4 black	3	5,09	55	5,7	60	38,4	60
040968	PV1-F 01X4 blue	3	5,09	55	5,7	60	38,4	60
040969	PV1-F 01X4 red	3	5,09	55	5,7	60	38,4	60
040967	PV1-F 01X6 black	3,9	3,39	70	6,4	82	58	80
040970	PV1-F 01X6 blue	3,9	3,39	70	6,4	82	58	80
040971	PV1-F 01X6 red	3,9	3,39	70	6,4	82	58	80
040889	FABER® SOLAR PV1-F 01X120 black	14,3	0,164	488	18,7	1800	1152	1175
040890	FABER® SOLAR PV1-F 01X150 black	15,9	0,132	566	20,7	2250	1440	1485
040891	FABER® SOLAR PV1-F 01X185 black	17,5	0,108	644	22,3	2775	1776	1825

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