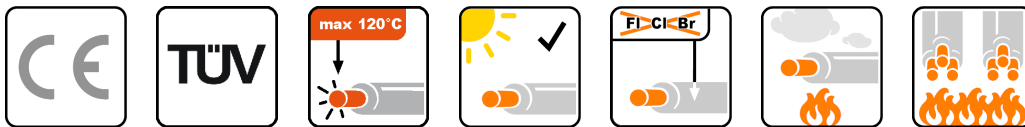




conductor material:	tinned copper
conductor construction:	fine stranded, class 5
maximum temperature at conductor:	120 °C
insulation:	HEPR 120 °C
sheathing material:	EVA 120 °C
colour of outer sheath:	black
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24
Halogen free:	DIN EN 50267/IEC 60754
ozone resistant:	yes
bending radius, moved application:	6 x DA
bending radius, fixed installation:	4 x DA
max. operating temperature, fixed:	-40 - +90 °C
temperature, moved/during installation:	-40 - +90 °C
insulation resistance:	1x10exp5 MOhm _x km
nominal voltage U₀:	0,6 kV
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 data PV1-F

p/n	part name	DI [mm]	RI [Ω/km]	I _b [A]	DA [mm]	F _z [N]	CU	G [kg/km]
040784	FACAB SOLAR PV1-F 01X2,5 0,6/1 kV TUEV 2 verzinnte Ader, schwarz Ausendurchmesser ca. 4,6 mm	2,6	8,21	41	4,6	38	24	52
040725	FACAB SOLAR PV1-F 01X4 0,6/1 kV TUEV 2 verzinnte Ader, schwarz Ausendurchmesser ca. 4,9 mm	2,4	5,09	55	4,9	60	38,4	71
040770	FACAB SOLAR PV1-F 01X4 0,6/1 kV TUEV 2 verzinnte Ader, schwarz Ausendurchmesser ca. 5,6 mm	2,4	5,09	55	5,6	60	38,4	71
040726	FACAB SOLAR PV1-F 01X6 0,6/1 kV TUEV 2 verzinnte Ader, schwarz Ausendurchmesser ca. 5,5 mm	2,9	3,39	70	5,5	90	58	102
040771	FACAB SOLAR PV1-F 01X6 0,6/1 kV TUEV 2 verzinnte Ader, schwarz Ausendurchmesser ca. 6,1 mm	2,9	3,39	70	6,1	90	58	102
040785	FACAB SOLAR PV1-F 01X10 0,6/1 kV TUEV 2 verzinnte Ader, schwarz Ausendurchmesser ca. 6,7 mm	5,1	1,95	98	6,7	150	96	159
040786	FACAB SOLAR PV1-F 01X16 0,6/1 kV TUEV 2 verzinnte Ader, schwarz Ausendurchmesser ca. 7,7 mm	6,3	1,24	132	7,7	240	154	232

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