



<b>conductor material:</b>	tinned copper
<b>conductor construction:</b>	fine stranded, class 5
<b>insulation:</b>	cross-linked polyolefin-copolymer
<b>sheathing material:</b>	cross-linked polyolefin-copolymer
<b>flame retardant:</b>	VDE 0482-266-2-4/IEC 60332-3-24
<b>halogen free:</b>	DIN EN 50267/IEC 60754
<b>ozone resistant:</b>	yes
<b>maximum temperature at conductor:</b>	126 °C
<b>max. operating temperature, fixed:</b>	-40 - +90 °C
<b>temperature, moved/during installation:</b>	-40 - +90 °C
<b>bending radius, fixed installation:</b>	4 x DA
<b>bending radius, moved application:</b>	6 x DA
<b>insulation resistance:</b>	1x10exp5 MOhm <sub>x</sub> km
<b>nominal voltage U<sub>0</sub>:</b>	0,6 kV
<b>nominal voltage U:</b>	1 kV
<b>nominal voltage (DC):</b>	0,9/1,8 kV
<b>test voltage:</b>	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 FACAB SOLAR PV1-F

Art.-Nr.	part-name	DI [mm]	RI [Ω/km]	I <sub>bl</sub> [A]	DA [mm]	F <sub>z</sub> [N]	CU	G [kg/km]
040784	FACAB SOLAR PV1-F 01X2,5 0,6/1 kV TUEV 2 verzinnete Ader, schwarz Aussendurchmesser ca. 4,6 mm	2,4	8,21	41	4,6	38	24	36
040834	FACAB SOLAR PV1-F 01X2,5 0,6/1 kV TUEV 2 verzinnete Ader, blau Aussendurchmesser ca. 4,6 mm	2,4	8,21	41	4,6	38	24	36
040835	FACAB SOLAR PV1-F 01X2,5 0,6/1 kV TUEV 2 verzinnete Ader, rot Aussendurchmesser ca. 4,6 mm	2,4	8,21	41	4,6	38	24	36
040725	FACAB SOLAR PV1-F 01X4 0,6/1 kV TUEV 2 verzinnete Ader, schwarz Aussendurchmesser ca. 5,0 mm	3	5,09	55	5	60	38,4	51
040807	FACAB SOLAR PV1-F 01X4 0,6/1 kV TUEV 2 verzinnete Ader, blau Aussendurchmesser ca. 5,0 mm	3	5,09	55	5	60	38,4	51
040808	FACAB SOLAR PV1-F 01X4 0,6/1 kV TUEV 2 verzinnete Ader, rot Aussendurchmesser ca. 5,0 mm	3	5,09	55	5	60	38,4	51
040726	FACAB SOLAR PV1-F 01X6 0,6/1 kV TUEV 2 verzinnete Ader, schwarz Aussendurchmesser ca. 5,6 mm	3,9	3,39	70	5,6	90	58	70

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

table: technical data FACAB SOLAR PV1-F

Art.-Nr.	part-name	DI [mm]	RI [ $\Omega$ /km]	I <sub>bl</sub> [A]	DA [mm]	Fz [N]	CU	G [kg/km]
040809	FACAB SOLAR PV1-F 01X6 0,6/1 kV TUEV 2 verzinnte Ader, blau Aussendurchmesser ca. 5,6 mm	3,9	3,39	70	5,6	90	58	70
040810	FACAB SOLAR PV1-F 01X6 0,6/1 kV TUEV 2 verzinnte Ader, rot Aussendurchmesser ca. 5,6 mm	3,9	3,39	70	5,6	90	58	70
040785	FACAB SOLAR PV1-F 01X10 0,6/1 kV TUEV 2 verzinnte Ader, schwarz Aussendurchmesser ca. 7,4 mm	5,1	1,95	98	7,4	150	96	159
040786	FACAB SOLAR PV1-F 01X16 0,6/1 kV TUEV 2 verzinnte Ader, schwarz Aussendurchmesser ca. 8,1 mm	6,3	1,24	132	8,1	240	154	232
040844	FACAB SOLAR PV1-F 01X25 0,6/1 kV TUEV 2 verzinnte Ader, schwarz Aussendurchmesser ca. 10,3 mm	7,8	0,795	181	10,3	375	240	310
040845	FACAB SOLAR PV1-F 01X35 0,6/1 kV TUEV 2 verzinnte Ader, schwarz Aussendurchmesser ca. 11,4 mm	9,2	0,565	223	11,4	525	336	410

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