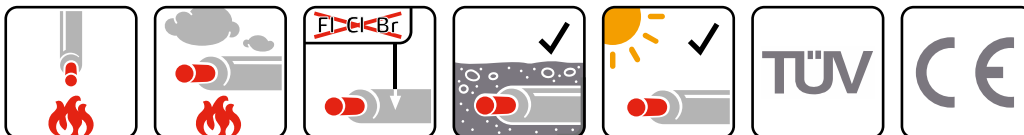


Solar cable FACAB SOLAR H1Z2Z2-K acc. to VDE 0283-618



conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	cross-linked polyolefin-copolymer
sheathing material:	cross-linked polyolefin-copolymer
flame retardant:	VDE 0482-332-1-2/IEC 60332-1-2
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
oil resistant:	EN 60811-2-1
ozone resistant:	yes
maximum temperature at conductor:	120 °C
max. operating temperature, fixed:	-40 - +90 °C
temperature, moved/during installation:	-25 - +60 °C
bending radius, fixed installation:	4 x DA
bending radius, moved application:	6 x DA
nominal voltage U₀:	1 kV
nominal voltage U:	1 kV
nominal voltage (DC):	1,5 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. Direct earth burial is permitted. The cable is considered to be short-circuit and earth-fault safe. It meets requirements of VDE-AR-E 2283-4. Please follow the relevant installation guidelines!



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 H1Z2Z2-K

p/n	part name	D _I [mm]	R _I [Ω/km]	I _{BI} [A]	D _A [mm]	F _{ZV} [N]	Cu [kg/km]	G [kg/km]
041027	H1Z2Z2-K 01X4 black	3	5,09	55	5,4	60	38,4	56
041028	H1Z2Z2-K 01X4 blue	3	5,09	55	5,4	60	38,4	56
041029	H1Z2Z2-K 01X4 red	3	5,09	55	5,4	60	38,4	56
041030	H1Z2Z2-K 01X6 black	3,9	3,39	70	5,9	90	58	74
041031	H1Z2Z2-K 01X6 blue	3,9	3,39	70	5,9	90	58	74
041032	H1Z2Z2-K 01X6 red	3,9	3,39	70	5,9	90	58	74
041033	H1Z2Z2-K 01X10 black	5,1	1,95	98	6,9	150	96	117

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]
041034	H1Z2Z2-K 01X10 blue	5,1	1,95	98	6,9	150	96	117
041035	H1Z2Z2-K 01X10 red	5,1	1,95	98	6,9	150	96	117
041036	H1Z2Z2-K 01X16 black	6,3	1,24	132	8	240	154	173
041037	H1Z2Z2-K 01X16 blue	6,3	1,24	132	8	240	154	173
041038	H1Z2Z2-K 01X16 red	6,3	1,24	132	8	240	154	173
041039	H1Z2Z2-K 01X25 black	7,8	0,795	176	10,3	375	240	273
041040	H1Z2Z2-K 01X25 blue	7,8	0,795	176	10,3	375	240	273
041041	H1Z2Z2-K 01X25 red	7,8	0,795	176	10,3	375	240	273
041042	H1Z2Z2-K 01X35 black	9,2	0,565	218	11,8	525	336	368
041043	H1Z2Z2-K 01X35 blue	9,2	0,565	218	11,8	525	336	368
041044	H1Z2Z2-K 01X35 red	9,2	0,565	218	11,8	525	336	368
041045	H1Z2Z2-K 01X50 black	9	0,393	276	14,5	750	480	547
041046	H1Z2Z2-K 01X70, black	10,8	0,277	347	16,5	1050	672	748
041047	H1Z2Z2-K 01X95, black	12,6	0,21	416	18,7	1425	912	968
041051	H1Z2Z2-K 01X120 black	14,3	0,164	488	20,4	1800	1152	1214
041052	H1Z2Z2-K 01X150 black	15,9	0,132	566	22,6	2250	1440	1500
041053	H1Z2Z2-K 01X185 black	17,5	0,108	644	25,1	2775	1776	1840
041054	H1Z2Z2-K 01X240 black	20,5	0,0817	775	28,5	3600	2304	2394

DI	diameter of conductor
RI	conductor resistance
Ibl	ampacity (in air) (30°C)
DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper weight (ger)
G	weight