

H1Z2Z2-K

Construction:

- CPR-performance class according EN 50575: Eca
- Standard: VDE 0283-618
- Conductor material: Cu, tinned
- Conductor class: categorie 5 = flexibel
- Wire isolation: networked Polyolefincopolymer
- Shield material: networked Polyolefincopolymer
- Flame retardancy: VDE 0482-332-1-2/IEC 60332-1-2
- Smoke density: DIN EN 61034/IEC 61034
- Halogen free: DIN EN 50267/IEC 60754
- UV-resistance: yes
- Ozon resistance: yes
- Outdoor usage: yes

Technical data:

- Max. allowed wire temperature: 120°C
- permissable cable outside temperature
firmly laid: -40°C bis +90°C
movable: -25°C bis +60°C
- Bending radius
firmly laid: 4 x Ø
movable: 6 x Ø
- Nominal voltage U₀: 1 kV
- Nominal voltage U: 1 kV
- Nominal voltage (DC): 1,5 kV
- Test Voltage: 6,5 kV

Application:

Solar cable for versatile usage or firm laid application in photovoltaic systems according to EN 60364-7-712. For use inside, outside or in explosive areas in industry or agricultural environment, even for direct laying in soil.
cable is short circuit safe and ground fault safe. Supplies to VDE-AR-E 2283-4.
additionally test :
downforce to EN 50289-3-7 - water AD 7 to HD 516.

Farben:

Standard colour black, 4 qmm - 35 qmm also in blue or red available

- DI - conductor diameter
- RI - conductor resistance
- IbI - current load on air (30°C)
- Fzv - tensile strength (laying)

qmm	DI (mm)	RI (Ohm/km)	IbI (A)	Outer Ø (mm)	Fzv	Cu number kg/km	net weight	Art. #
1x4	3	5,09	55	5,4	60	38,4	56	0502004010
1x6	3,9	3,39	70	5,9	90	58	74	0502006010

qmm	DI (mm)	RI (Ohm/km)	IbI (A)	OuterØ (mm)	Fzv	Cunumber kg/km	net weight	Art. #
1x10	5,1	1,95	98	6,9	150	96	117	0502010010
1x16	6,3	1,24	132	8	240	154	173	0502016010
1x25	7,8	0,795	176	10,3	375	240	273	0502025010
1x35	9,2	0,565	218	11,8	525	336	368	0502035010
1x50	9	0,393	276	14,5	750	480	547	0502050010
1x70	10,08	0,277	347	16,5	1050	672	748	0502070010
1x95	12,6	0,21	416	18,7	1425	912	968	0502095010
1x120	14,3	0,164	488	20,4	1800	1152	1214	0502120010
1x150	15,9	0,132	566	22,6	2250	1440	1500	0502150010
1x185	17,5	0,108	644	25,1	2775	1776	1840	0502185010
1x240	20,5	0,0817	775	28,5	3600	2304	2394	0502240010

- Further formats available on request
- All data and products subject to change