



SOLAR CABLES

H1Z2Z2-K



APPLICATION

The H1Z2Z2-K complies with DIN EN 50618 (VDE 0283-618) and is specifically designed for the cabling of photovoltaic systems. It can be installed permanently or used flexibly - indoors, outdoors, in industrial facilities, agricultural operations, or even in hazardous (explosive) areas. The cable is UV-, ozone- and water-resistant (AD7) and can be laid directly in the ground.

TECHNICAL DATA

SCREEN	No
MAX. PERMISSIBLE CONDUCTOR TEMPERATURE (°C)	120 °C
MAXIMUM SHORT-CIRCUIT TEMPERATURE (°C)	+250 Max. 5 sec. °C
MINIMUM LAYING TEMPERATURE (°C)	-25 °C
CONDUCTOR SHAPE	RM
OPERATING TEMPERATURE RANGE (°C)	-40/+90 °C
RATED VOLTAGE (KV)	AC: 1000/1000 V DC: 1500 V kV
TEST VOLTAGE (KV)	6,5 AC, 15 DC (5 min.) kV



CROSS-SECTIONS/VOLTAGE — AC: 1000 / 1000 V DC: 1500 V

CORES & CROSS-SECTION	COND.	SHAPE	RI [OHM/KM]	RBV [MM]	Ø [MM]	G [KG/KM]
1x1,5		RM	13.7	22	4.5	33
1x2,5		RM	8.21	24	4.9	41
1x4		RM	5.09	26	5.5	57
1x6		RM	3.39	30	5.9	73
1x10		RM	1.95	35	6.9	110
1x16		RM	1.24	40	8	170
1x25		RM	0.795	50	10	260
1x35		RM	0.565	56	11	360
1x50		RM	0.393	60	13.2	500