

## RZ1-K 0,6/1 kV - Dca

INSTALLATION CABLE HALOGEN FREE



### APPLICATION

As regular installation cable where high flexibility and small bending radius is required or an advantage. For example in factories and machine installations, in cable trays, ladders or panel installation. Cable is UV-resistant and can be used indoors and outdoors or buried directly in soil. Must be installed in accordance with S.B..

### CONSTRUCTION

<b>Conductor</b>	Multi-stranded, annealed copper according to IEC 60228 class 5.
<b>Insulation</b>	XLPE – cross-linked Polyethylene UV resistant
<b>Core colour</b>	1-core: Yellow/green or black 3G-core: Yellow/Green, blue, brown 4G-core: Yellow/green, brown, black, grey 4 x-core: Blue, brown, black, grey 5G-core: Y/G, blue, brown, black, grey
<b>Outer sheath</b>	Halogen free compound HFFR, Green color, Meter marked.
<b>Pulling force</b>	Max. 50 N/mm <sup>2</sup> copper conductor

### TECHNICAL DATA

<b>Rated voltage</b>	0,6/ 1 kV
<b>Test voltage</b>	3500V
<b>Temperature</b>	Fixed installation from -40°C to +90°C Flexible installation from -5°C to +70°C Max. conductor temperature +90°C Max. operational temperature +90°C Short circuit temperature +250°C
<b>Bending radius</b>	Fixed installation: 4 x D <25mm <sup>2</sup> During installation: 5 x D 25-50mm <sup>2</sup> Plowed: 6 x D >50mm <sup>2</sup>

### STANDARD / DIRECTIVE

<b>Standard</b>	IEC 60502-1, UNE 21123-4, EN 50575-2014
<b>Directive</b>	CE-marked, adheres to LVD, RoHS, REACH
<b>CPR</b>	Class Dca-s2, d2,a2 DoP number 1006574
<b>DoP finder</b>	<a href="http://www.dk.prysmiangroup.com/dop">http://www.dk.prysmiangroup.com/dop</a>

### FIRE PROPERTIES

<b>Self-extinguishing</b>	IEC 60332-1, IEC 60332-3-24
<b>Halogen free</b>	IEC 60754-1, EN 50267-2-1
<b>Smoke density</b>	IEC 61034
<b>Corrosivity</b>	IEC 60754-2, EN 50267
<b>Current load</b>	Iht. SB 2001:6 – very good heat dissipation conditions

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Cross-section mm <sup>2</sup>	Outer diameter mm	Weight Kg/km	Length Drum/m	Current load Air 30°C Max. A	EAN- number
1G6	8,5	120	T2000	54	8430220157888
1G10	9,6	167	T1000	75	8430220157895
1G16	10,6	226	T500	100	8430220157901
1G25	12,3	321	T500	135	8430220157918
1G35	13,8	421	T500	169	8430220157925
1G50	15,4	579	T500	207	8430220157826
1G70	17,3	780	T500	268	8430220157840
1G95	19,2	995	T500	328	8430220157833
1x95	19,2	995	T500	328	8430220157772
1G120	21,3	1240	T500	383	8430220157857
1x150	23,4	1529	T500	444	8430220157871
1G150	23,4	1529	T500	444	8430220157789
1x185	25,6	1826	T500	510	8430220157796
1G240	28,6	2383	T500	607	8430220157864
1x240	28,6	2383	T500	607	8430220157802
1x300	31,3	2942	T500	703	8430220157819
2x1,5	10	134	T500	26	8430220157949
2x6	12,9	271	T1000	63	8430220157987
2x10	15,2	399	T500	86	8430220157970
2x16	17,7	566	T500	115	8430220158007
3G1,5	10,4	150	T500	26	8430220157956
3G2,5	11,4	193	T500	36	8430220157994

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Cross Section mm <sup>2</sup>	Outer diameter mm	Weight Kg/km	Length Drum/m	Current load Air 30°C Max. A	EAN-number
3G4	12,4	205	T500	49	8430220158021
3G6	13,6	324	T500	63	8430220158052
3G10	16,0	486	T500	86	8430220158083
3G16	18,7	696	T500	115	
4G1,5	11,2	173	T500	23	8430220158038
4G2,5	12,3	227	T500	32	8430220158069
4G4	13,4	298	T1000	42	8430220158076
4G6	14,7	391	T1000	54	8430220158090
4x10	17,6	593	T500	75	8430220157963
4G10	17,6	593	T500	75	8430220158106
4x16	20,4	855	T500	100	8430220158014
4G16	20,4	855	T500	100	8430220158113
4x25	24,3	1267	T500	127	8430220158144
4G25	24,3	1267	T500	127	8430220158120
4x35	28,4	1792	T500	158	8430220158205
4G35	28,4	1792	T500	158	8430220158243
4x50	32,5	2439	T500	192	8430220157512
4G50	32,5	2439	T500	192	8430220157581
4x70	37,1	3359	T500	246	8430220157505
4G70	37,1	3359	T500	246	8430220157574
4x95	41,2	4276	T500	298	8430220157550
4x120	46,7	5500	T500	230	8430220157567
4x150	51,8	6750	T500	399	8430220157598
4x185	57,6	8172	T500	456	8430220157543
4x240	64,4	10642	T250	538	8430220157536
5G1,5	12,0	202	T500	26	
5G2.5	13,3	266	T500	32	8430220158151
5G4	14,5	315	T500	42	8430220158175
5G6	16,0	420	T500	54	8430220158168
5G10	19,0	660	T500	75	8430220158182
5G16	22,2	990	T500	100	8430220158199
5G25	26,6	1490	T500	127	8430220158236
5G35	31,4	2160	T500	158	8430220157932
5G50	35,2	2763	T500	192	8430220157727
5G70					8430220157666
5G95					8430220157758