

Maximum current ratings for RV-K and RZ1-K

The following information is applicable to the indicated cables and compositions manufactured by Cables RCT under the conditions below described. This information is to be considered an orientation and any other conditions than specified require the appropriate correction factors to be applied.

The maximum current value is the highest amperage allowed for an electric conductor to work in permanent conditions without any product damage. Other factors such as distance or temperature are involved and must be considered. Cables RCT is not responsible for the use of this information.

Installation types considered are:

- (1) Open air perforated trays / 30°C / No other installations in contact
- (2) Direct burial / Depth 0,7 m / soil temperature 25°C / Thermic resistivity 1 km/W / No other installations in contact
- (3) Buried installation in ventilated conduits / temperature 40°C

Number of conductors x size (mm ²)	Resistance (Ω/km)	External diameter (mm)	Weight (kg/km)	Max. Current (A)		
				Open air/perforated tray installation (1)	Direct burial (2)	Conduit burial (3)
1x1,5	13,3	5,7	50	26	-	-
1x2,5	7,98	6,12	60	36	-	-
1x4	4,95	6,65	75	49	-	-
1x6	3,3	7,2	95	62	72	46
1x10	1,91	8,15	140	83	96	64
1x16	1,21	9,15	195	115	125	86
1x25	0,78	10,8	290	135	160	120
1x35	0,554	11,9	380	169	190	145
1x50	0,386	13,5	520	206	230	180
1x70	0,272	15,6	720	268	280	230
1x95	0,206	17,35	930	325	335	285
1x120	0,161	19,4	1175	382	380	335
1x150	0,129	21,4	1455	444	425	385
1x185	0,106	23,3	1745	510	480	450
1x240	0,0801	26,6	2315	607	550	535
1x300	0,0641	30,2	2895	704	620	615
1x400	0,0486	34,8	3935	760	705	699
2x1,5	13,3	8,55	100	26	-	-
2x2,5	7,98	9,39	130	36	-	-
2x4	4,95	10,45	175	49	-	-
2x6	3,3	11,55	225	62	80	54

Number of conductors x size (mm ²)	Resistance (Ω/km)	External diameter (mm)	Weight (kg/km)	Max. Current (A)		
				Open air/perforated tray installation (1)	Direct burial (2)	Conduit burial (3)
2x10	1,91	13,45	335	83	107	74
2x16	1,21	15,45	475	115	140	100
2x25	0,78	18,75	710	135	183	134
3x1,5	13,3	9,01	115	23	-	-
3x2,5	7,98	9,92	115	31	-	-
3x4	4,95	11,07	210	42	-	-
3x6	3,3	12,25	275	54	66	44
3x10	1,91	14,31	420	75	88	61
3x16	1,21	16,47	621	100	115	82
3x25	0,78	20,03	915	127	150	110
3x35	0,554	22,66	1240	169	180	135
4x1,5	13,3	9,92	140	23	-	-
4x2,5	7,98	10,93	190	31	-	-
4x4	4,95	12,22	255	42	-	-
4x6	3,3	13,55	345	54	66	44
4x10	1,91	15,85	535	75	88	61
4x16	1,21	18,27	775	100	115	82
4x25	0,78	22,36	1175	127	150	110
4x35	0,554	25,07	1580	169	180	135
4x50	0,386	29,21	2205	207	215	165
4x70	0,272	32	2905	268	260	210
4x95	0,206	35,6	3755	328	310	260
5x1,5	13,3	10,79	170	23	-	-
5x2,5	7,98	11,93	230	31	-	-
5x4	4,95	13,37	315	42	-	-
5x6	3,3	14,87	425	54	66	44
5x10	1,91	17,45	655	75	88	61
5x16	1,21	20,17	945	100	115	82
5x25	0,78	24,8	1450	127	150	110
5x35	0,554	27,4	1960	169	180	135
5x50	0,386	33,5	2885	207	215	165

Cables RCT SAU, 2019.