

Powerflex RV-K



LOW VOLTAGE
0,6/1kV

Reference Norm IEC 60502 - UNE 21123-2



POWERFLEX RV-K

The universal flexible cable for power transmission.

Conductor: Electrolytic copper, class 5 (flexible), based on EN 60228

Insulation: XLPE.

The standard identification is the following:

- 1 x Black
- 2 x Blue + Brown
- 3 G Blue + Brown + Yellow/green
- 3 x Brown + Black + Grey
- 3 x + 1 x Brown + Black + Grey + Blue (reduced cross section)
- 4 G Brown + Black + Grey + Yellow/green
- 4 x Brown + Black + Grey + Blue
- 5 G Brown + Black + Grey + Yellow/green + Blue

Outer sheath: Flexible PVC outer sheath, black colour.

Applications: This cable for energy distribution is suitable for all types of low voltage industrial-type connections, in urban grids, building installations, etc. Its high flexibility makes the installation process substantially easier and as a result is particularly suitable for use in difficult layouts. It can be buried or installed in a tube as well as outdoors without requiring additional protection. Lastly, the Powerflex RV-K cable can withstand damp conditions including total immersion in water.

National norm / european: EN 60332-1

International norm: IEC 60332-1

CHARACTERISTICS



Flexible conductor, class 5



Minimum service temperature: -15°C



Maximum service temperature: 90°C



Maximum short-circuit temperature: 250°C (max 5 s)



Minimum bending radius: 5 x cable diameter



Meter by meter marking



Flame non-propagation



Impact resistance: AG2. Medium impact



Outdoor installation: permanent



Water resistance: AD7 immersion



Chemical & oil resistance: good

INSTALLATION CONDITIONS



Industrial use



Open air



Buried



In conduit



Damp environment

Powerflex RV-K

POWERFLEX RV-K	Diamètre extérieur <i>Outer diameter</i> (mm)	Masse <i>Weight</i> Approx. (kg/km)	Intensité admissible ⁽¹⁾ <i>Permissible current rating⁽¹⁾</i>		Chute de Tension <i>Voltage drop</i> (V/A/km)
			<i>Free air</i>	<i>Buried</i> (A)	
1 x 2.5	6,2	54	29	29	17,7
1 x 4	6,7	70	40	37	11,0
1 x 6	7,3	90	53	46	7,32
1 x 10	8,2	133	74	61	4,23
1 x 16	9,2	189	101	79	2,68
1 x 25	11,0	284	135	101	1,73
1 x 35	12,1	381	169	122	1,23
1 x 50	13,8	517	207	144	0,860
1 x 70	15,7	712	268	178	0,603
1 x 95	17,6	923	328	211	0,457
1 x 120	19,2	1165	383	240	0,357
1 x 150	21,5	1446	444	271	0,286
1 x 185	23,9	1748	510	304	0,235
1 x 240	26,9	2280	607	351	0,178
1 x 300	33,8	2829	703	396	0,142
1 x 400	37,4	3731	823	464	0,108
2 x 1.5	8,2	90	26	26	34,0
2 x 2.5	9,2	120	36	34	20,4
2 x 4	10,3	161	49	44	12,7
2 x 6	11,3	211	63	56	8,45
2 x 10	13,2	316	86	73	4,89
2 x 16	14,9	450	115	95	2,68
3 G 1.5	8,9	108	26	26	34,0
3 G 2.5	9,8	144	36	34	20,4
3 G 4	11,0	198	49	44	12,7
3 G 6	12,1	263	63	56	8,45
3 G 10	14,3	405	86	73	4,89
3 G 16	16,4	593	100	79	2,68
3 x 25	21,3	975	127	101	1,73
3 x 35	24,1	1319	158	122	1,23
3 x 50	27,8	1812	192	144	0,86

(1) : Température ambiante : 30°C
enterrée : 20°C

(1) : Ambient temperature : 30°C
buried : 20°C



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			<i>Free air</i>	<i>Buried</i> (A)	
4 G 1.5	9,7	129	23	22	29,5
4 G 2.5	10,7	175	32	29	17,7
4 G 4	12,0	243	42	37	11,0
4 G 6	13,4	328	54	46	7,32
4 G 10	15,7	505	75	61	4,23
4 G 16	18,2	749	100	79	2,68
4 x 25	24,1	1245	127	101	1,73
4 x 35	26,3	1671	158	122	1,23
4 x 50	31,3	2313	192	144	0,860
4 x 70	36,1	3204	246	178	0,603
4 x 95	40,2	4126	298	211	0,457
4 x 120	44,6	5245	346	240	0,357
4 x 150	49,8	6573	399	271	0,286
4 x 185	56,1	8050	456	304	0,235
5 G 1.5	10,4	153	23	22	29,5
5 G 2.5	11,6	213	32	29	17,7
5 G 4	13,2	298	42	37	11,0
5 G 6	14,7	403	54	46	7,32
5 G 10	17,2	624	75	61	4,23
5 G 16	20,2	931	100	79	2,68
5 G 25	26,6	1555	127	101	1,73
5 G 35	29,3	2076	158	122	1,23
5 G 50	34,5	2878	192	144	0,86

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