

POWERFLEX

RV-K

The universal flexible cable for power transmission.

DESIGN

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.



Based on : IEC 60502 / UNE 21123-2
 National norm / European: EN 60332-1
 International norm : IEC 60332-1



POWERFLEX RV-K

DIMENSIONS

| Cross section (mm ²) | Diameter (mm) | Weight (Kg/km) | Open Air 30°C (A) | Buried 20°C (A) | Voltage drop (V/A · km) |
|----------------------------------|---------------|----------------|-------------------|-----------------|-------------------------|
| 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 | 1.165 | 383 | 240 | 0,357 |
| 1 x 150 | 21,5 | 1.446 | 444 | 271 | 0,286 |
| 1 x 185 | 23,9 | 1.748 | 510 | 304 | 0,235 |
| 1 x 240 | 26,9 | 2.280 | 607 | 351 | 0,178 |
| 1 x 300 | 29,6 | 2.829 | 703 | 396 | 0,142 |
| 1 x 400 | 33,8 | 3.731 | 823 | 464 | 0,108 |
| 1 x 500 | 37,4 | 4.776 | 946 | 525 | 0,085 |
| 1 x 630 | 42,7 | 6.276 | 1088 | 596 | 0,064 |
| 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 | 3,10 |
| 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 x 16 | 16,4 | 593 | 100 | 79 | 2,68 |
| 3 x 25 | 21,3 | 975 | 127 | 101 | 1,73 |
| 3 x 35 | 24,1 | 1.319 | 158 | 122 | 1,23 |
| 3 x 50 | 27,8 | 1.812 | 192 | 144 | 0,860 |
| 3 x 70 | 30,8 | 2.463 | 246 | 178 | 0,603 |
| 3 x 16 + 1 x 10 | 17,6 | 696 | 100 | 79 | 2,68 |
| 3 x 25 + 1 x 16 | 22,7 | 1.136 | 127 | 101 | 1,73 |
| 3 x 35 + 1 x 16 | 25,0 | 1.461 | 158 | 122 | 1,23 |
| 3 x 50 + 1 x 25 | 29,1 | 2.033 | 192 | 144 | 0,860 |
| 3 x 70 + 1 x 35 | 33,8 | 2.834 | 246 | 178 | 0,603 |
| 3 x 95 + 1 x 50 | 38,2 | 3.702 | 298 | 211 | 0,457 |
| 3 x 120 + 1 x 70 | 42,1 | 4.723 | 346 | 240 | 0,357 |
| 3 x 150 + 1 x 70 | 46,8 | 5.779 | 399 | 271 | 0,286 |
| 3 x 185 + 1 x 95 | 53,5 | 7.202 | 456 | 304 | 0,235 |
| 3 x 240 + 1 x 120 | 60,4 | 9.306 | 538 | 351 | 0,178 |
| 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 x 16 | 18,2 | 749 | 100 | 79 | 2,68 |
| 4 x 25 | 24,1 | 1.245 | 127 | 101 | 1,73 |
| 4 x 35 | 26,3 | 1.671 | 158 | 122 | 1,23 |
| 4 x 50 | 31,3 | 2.313 | 192 | 144 | 0,860 |
| 4 x 70 | 36,1 | 3.204 | 246 | 178 | 0,603 |
| 4 x 95 | 40,2 | 4.126 | 298 | 211 | 0,457 |
| 4 x 120 | 44,6 | 5.245 | 346 | 240 | 0,357 |
| 4 x 150 | 49,8 | 6.573 | 399 | 271 | 0,286 |
| 4 x 185 | 56,1 | 8.050 | 456 | 304 | 0,235 |
| 4 x 240 | 64,5 | 10.695 | 538 | 351 | 0,178 |
| 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 | 1.555 | 127 | 101 | 1,73 |
| 5 G 35 | 29,3 | 2.076 | 158 | 122 | 1,23 |
| 5 G 50 | 34,5 | 2.878 | 192 | 144 | 0,860 |

CHARACTERISTICS

- Flexible conductor class 5
- Minimum bending radius: 5 x cable diameter
- Outdoor installation: permanent
- Minimum service temperature: -15°C
- Meter by meter marking
- Water resistance: AD7 immersion
- Maximum service temperature: 90°C
- Flame non-propagation
- Chemical & oil resistance: good
- Maximum short-circuit temperature: 250°C (maximum 5 s)
- Impact resistance: AG2, medium impact

INSTALLATION CONDITIONS

- Industrial use
- Damp environment
- Open air
- Buried
- In conduit

For further technical data please request this cable's technical datasheet.

Top Cable reserves the right to carry out any modification whatsoever without giving previous notice.