



## RV-K Powerflex Cable

### Application and Description

These cables for energy distribution are 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. They can be buried or installed in a tube as well as outdoors. They are can also be used for street lighting, power supply of buildings, ship installations and generator installations. Lastly, these cables can withstand damp conditions including total immersion in water.

### Standard and Approval

UNE 21123-2, IEC 60502; IEEE 383; UNE-EN 50265-2-1, UNE-EN 60502-1, IEC 60332-1

### Cable Construction

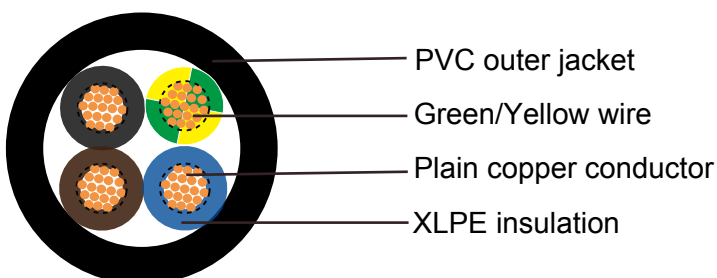
- Flexible plain copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5
- XLPE (Cross-Linked Polyethylene) insulation to IEC60502
- Color code VDE-0293-308
- Flexible black PVC (Polyvinyl Chloride) jacket

### Technical Characteristics

- Voltage Rating: 600/1000V
- Temperature Rating: -15°C to +90°C
- Minimum Bending Radius: 5 x overall diameter
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km



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### Cable Parameter

AWG	No. of Cores x Cross Sectional Area # x mm <sup>2</sup>	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
Single core					
14(50/30)	1 x 2.5	0.7	1.4	6.2	54
12(56/28)	1 x 4.0	0.7	1.4	6.7	70
10(84/28)	1 x 6.0	0.7	1.4	7.3	90
8(80/26)	1 x 10.0	0.7	1.4	8.2	133
6(128/26)	1 x 16.0	0.7	1.4	9.2	189
4(200/26)	1 x 25.0	0.9	1.4	11	284
2(280/26)	1 x 35.0	0.9	1.4	12.1	381
1(400/26)	1 x 50.0	1	1.4	13.8	517
2/0(356/24)	1 x 70.0	1.1	1.4	15.7	712
3/0(485/24)	1 x 95.0	1.1	1.5	17.6	923
4/0(614/24)	1 x 120.0	1.2	1.5	19.2	1165
300MCM	1 x 150.0	1.4	1.6	21.5	1446
350MCM	1 x 185.0	1.6	1.7	23.9	1748
500MCM	1 x 240.0	1.7	1.8	26.9	2280
-	1 x 300.0	1.8	1.8	29.6	2829
-	1 x 400.0	2	2.0	33.8	3731
-	1 x 500.0	2.2	2.2	37.4	4776
-	1 x 630.0	2.4	2.4	42.7	6276
Two cores					
16(30/30)	2 x 1.5	0.7	1.8	8.2	90
14(50/30)	2 x 2.5	0.7	1.8	9.2	120
12(56/28)	2 x 4.0	0.7	1.8	10.3	161
10(84/28)	2 x 6.0	0.7	1.8	11.3	211
8(80/26)	2 x 10.0	0.7	1.8	13.2	316
6(128/26)	2 x 16.0	0.7	1.8	14.9	450
Three cores(including ground core )					
16(30/30)	3 x 1.5	0.7	1.8	8.9	108
14(50/30)	3 x 2.5	0.7	1.8	9.8	144
12(56/28)	3 x 4.0	0.7	1.8	11	198
10(84/28)	3 x 6.0	0.7	1.8	12.1	263
8(80/26)	3 x 10.0	0.7	1.8	14.3	405
Three cores					
6(128/26)	3 x 16.0	0.7	1.8	16.4	593
4(200/26)	3 x 25.0	0.9	1.8	21.3	975
2(280/26)	3 x 35.0	0.9	1.8	24.1	1319
1(400/26)	3 x 50.0	1	1.8	27.8	1812
2/0(356/24)	3 x 70.0	1.1	1.9	30.8	2463