



RVFV & VVFV / RVFV-K & VVFV-K

Application and Description

These cables are especially suitable for fixed installations that may be subject to mechanical aggression. They are highly recommended for use in installations in warehouses, production plants and agricultural facilities where the presence of rodents could imply a threat to cable integrity. At the same time, its use is recommended for street lighting installations. In some cases, these cables are used in those places where there is a potential explosion hazard such as petrol stations or flammable product warehouses.

Standard

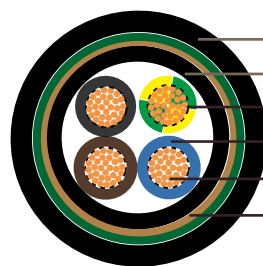
UNE 21123-2, IEC 60502, EN 60332-1, IEC 60332-1

Cable Construction

- Rigid electrolytic annealed copper conductor
- Class 1 (up to 4 mm²) or 2 (from 6 mm² upwards) in accordance with IEC 60228
- Class 5 for (RVFV-K/VVFV-K) in accordance with IEC 60228
- XLPE insulation (RVFV/RVFV-K) or PVC insulation (VVFV/ VVFV-K) according to IEC 60502
- up to 5 conductors: by colors (RVFV/RVFV-K)
- 6 or more conductors: black numbered + green/yellow. (VVFV/VVFV-K)
- Extruded continuous PVC bedding type ST1/ST2 of standard IEC 60502.
- Double steel or aluminum tape armour
- Flexible PVC compound outer sheath type ST1/ST2 of standard IEC 60502

Technical Characteristics

- Working voltage: 600/1000 volts
- Test voltage: 2000 volts
- Minimum bending radius: 10 x Ø
- Working temperature: -15° C to +90° C
- Short circuit temperature: +250° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km



- PVC compound outer sheath
- Extruded continuous PVC bedding
- Green/Yellow wire
- XLPE/PVC insulation
- Electrolytic annealed copper conductor
- Double steel or aluminum tape armour



Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km	AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
6	1×16	14.4	345	3/0	3×95/50	41.3	4613
4	1×25	16	477	4/0	3×120/70	46.9	6,023
2	1×35	17.3	582	300MCM	3×150/70	54.7	7455
1	1×50	18.5	722	350MCM	3×185/95	55.1	8890
2/0	1×70	20.7	962	500MCM	3×240/120	62.5	11055
3/0	1×95	22.1	1173	16	4×1.5	13.2	275
4/0	1×120	24.6	1522	14	4×2.5	14.4	339
300MCM	1×150	26.5	1821	12	4×4	15.1	419
350MCM	1×185	28.5	2230	10	4×6	17.3	545
500MCM	1×240	31.7	2,35	8	4×10	19.8	770
16	2×1.5	12.3	227	6	4×16	22.3	1062
14	2×2.5	12.8	259	4	4×25	26.5	1602
12	2×4	13.6	311	16	5×1.5	14.4	320
10	2×6	15.8	411	14	5×2.5	15.3	390
8	2×10	17.8	552	12	5×4	17.2	509
6	2×16	19.6	726	10	5×6	18.8	640
16	3×1.5	12.8	252	8	5×10	21.3	909
14	3×2.5	13.3	293	6	5×16	25.2	1304
12	3×4	14.5	367	16	6×1.5	15.8	394
10	3×6	16.3	468	16	7×1.5	15.8	412
8	3×10	18.3	641	16	10×1.5	17.8	521
6	3×16	20.4	870	16	12×1.5	19.2	603
6	3×16/10	21.5	996	16	16×1.5	20.8	714
4	3×25/16	25.1	1468	16	19×1.5	21.8	792
2	3×35/16	27.9	1854	16	24×1.5	23.3	914
1	3×50/25	29.6	2101	16	27×1.5	25.4	1015
2/0	3×70/35	37.8	3683				