RVMV & VVMV / RVMV-K & VVMV-K

Application and Description

The Powerhard M cable's design is especially suitable for fixed installation in potentially explosion hazard locations. It is highly recommended for use in petrol stations, petrochemical plants, flammable product warehouses, etc. At the same time, it can be used in installations such as production plants, agricultural facilities, street lighting and installations in general where the cable is subject to risk of mechanical aggression.

Standard and Approval

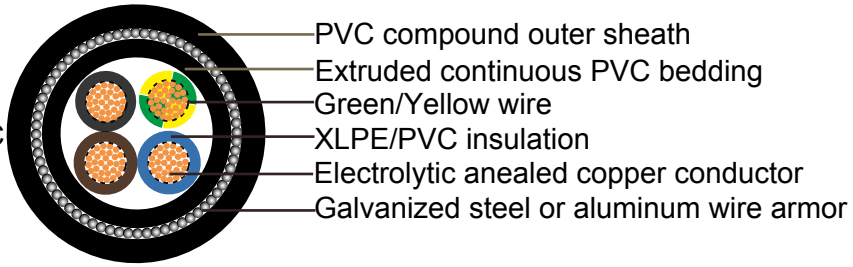
UNE 21123-2, IEC 60502, IEC 60332-1, IEC 60332-3, EN 60332-1, EN 50266

Cable Construction

- Rigid electrolytic annealed copper conductor
- Class 1 (up to 4 mm^2) or 2 (from 6 mm^2 upwards) in accordance with IEC 60228
- Class 5 for (RVMV-K/VVMV-K) in accordance with IEC 60228
- XLPE insulation (RVMV/RVMV-K) or PVC insulation (VVMV/VVMV-K) according to IEC 60502
- up to 5 conductors: by colours (RVMV/RVMV-K)
- 6 or more conductors: black numbered + green/yellow. (VVMV/VVMV-K)
- Extruded continuous PVC bedding type ST1/ST2 of standard IEC 60502.
- Galvanized steel or aluminum wire armour
- Flexible special 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: -15º C to +90º C
- Short circuit temperature: +250º C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km



Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area *# x mm²*	Nominal Overall Diameter *mm*	Nominal Weight *kg/km*	AWG	No. of Cores x Nominal Cross Sectional Area *# x mm²*	Nominal Overall Diameter *mm*	Nominal Weight *kg/km*
10	1×6	12	217	16	3×1.5	13.6	347
8	1×10	13	267	14	3×2.5	14.2	394
6	1×16	14	340	12	3×4	15.2	471
4	1×25	15.6	470	10	3×6	17.1	605
2	1×35	16.7	582	8	3×10	19.1	802
1	1×50	18.1	719	6	3×16	21.1	1042
2/0	1×70	19.9	951	6	3×16/10	23.9	1501
3/0	1×95	23.3	1349	4	3×25/16	27.8	2,043
4/0	1×120	25.6	1,625	2	3×35/16	30.5	2507
300MCM	1×150	27.5	1,935	1	3×50/25	33.8	3165
350MCM	1×185	29.7	2361	2/0	3×70/35	39.8	4405
500MCM	1×240	32.7	2970	16	4×1.5	14.2	382
-	1×300	35.4	3602	14	4×2.5	15.1	446
16	2×1.5	13.2	319	12	4×4	16.2	543
14	2×2.5	13.6	354	10	4×6	18.1	697
12	2×4	14.8	422	8	4×10	20.6	952
10	2×6	16.4	528	6	4×16	24.6	1575
8	2×10	18.4	693	4	4×25	28.9	2200
6	2×16	22.2	1006