

Cables 0,6/1 kV

RV-K Naval 0,6/1kV



Description

RV-K 0,6/1kV naval cables are the right ones for the low voltage energy transport and distribution. Due to their flexibility they are recommended for complex and arduous installations.

RV-K 0,6/1kV naval cables are designed under IEC 60092-350 series international standard and are the suitable ones for low power energy systems fixed installations in naval applications.

RV-K 0,6/1kV naval cables are certified by Bureau Veritas.

Reference Standards: IEC 60092, IEC 60502 y UNE 21123

Applications

These cables are the right ones for naval installations due to their special certification:

- Distribution networks.
- Lightning installations.
- Network connections.
- Indoor or receiver installations.

Suitable for both indoor and outdoor installations, exposed, in conduits or underground.

Technical Characteristics

1. Conductor	Flexible electrolytic copper conductor (Class V) according to BS EN 60228:2005 (previously BS6360), UNE 60228 and IEC 60228
2. Insulation	Cross-linked polyethylene (XLPE), type DIX-3, according to UNE 21123 and HD 603S1
3. Sheath	PVC sheath, type DMV-18, according to HD 603S1.
Nominal voltage	0,6/1 kV
Test voltage	3.500 V AC
Maximum temperature	90 °C

Other characteristics

UV Resistance: climatic test according to UNE 211605

Colours according to UNE 21089 and HD 308.S2 (colour marking when less than five conductors) and UNE-EN 50334 and EN 50334 (inscription marking when more than five conductors)

Non-flame propagating according to UNE-EN 60332-1-2, EN 60332-1-2 and IEC 60332-1-2

The use of cross-linked polyethylene (XLPE) admits greater current density, at equal section, respect to the insulation with PVC

Dimensions

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)
1x1,5	13,3	5,00	35
1x2,5	7,98	5,40	45
1x4	4,95	5,90	61
1x6	3,3	6,55	82
1x10	1,91	7,30	120
1x16	1,21	8,50	178
1x25	0,78	9,95	255
1x35	0,554	11,30	351
1x50	0,386	13,10	487
1x70	0,272	15,05	674
1x95	0,206	17,75	901
1x120	0,161	19,40	1.127
1x150	0,129	21,80	1.410
1x185	0,106	23,70	1.728
1x240	0,0801	26,80	2.239
1x300	0,0641	30,00	2.793
1x400	0,0486	33,20	3.632
1x500	0,0384	40,00	4.882
1x630	0,0287	44,50	6.384
2x1,5	13,3	8,30	92
2x2,5	7,98	9,10	120
2x4	4,95	10,05	158
2x6	3,3	11,20	209
2x10	1,91	12,80	306
2x16	1,21	16,50	532
2x25	0,78	19,90	786
2x35	0,554	21,95	1.014
2x50	0,386	25,70	1.409
3G1,5	13,3	8,85	109
3G2,5	7,98	9,70	145
3G4	4,95	10,90	198
3G6	3,3	11,95	260
3G10	1,91	13,70	390
3x16	1,21	17,55	663
3x25	0,78	21,10	978

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)
3x35	0,554	23,60	1.296
3x50	0,386	27,60	1.799
3x70	0,272	31,80	2.400
3x95	0,206	35,90	3.178
3x120	0,161	41,80	4.067
3x150	0,129	44,75	5.022
3x185	0,106	49,55	6.131
4x1,5	13,3	9,70	132
4x2,5	7,98	10,60	175
4x4	4,95	11,80	239
4x6	3,3	13,20	323
4x10	1,91	15,10	488
4x16	1,21	19,10	813
4x25	0,78	22,85	1.193
4x35	0,5554	25,85	1.609
4x50	0,386	30,45	2.244
4x70	0,272	33,70	3.018
4x95	0,206	42,70	4.303
4x120	0,161	45,90	5.237
4x150	0,129	49,70	6.324
4x185	0,106	55,25	7.732
5x1,5	13,3	10,50	152
5G2,5	7,98	11,50	206
5x4	4,95	12,90	284
5x6	3,3	14,50	388
5x10	1,91	16,80	597
5x16	1,21	20,75	965
5x25	0,78	25,45	1.478
5x35	0,5554	28,60	1.936
5x50	0,386	34,00	2.751
5x70	0,272	36,70	3.852
5x95	0,206	45,00	4.879
5x120	0,161	50,15	6.242
5x150	0,129	55,35	7.713