



Chongqing Hi-Sea Marine Equipment Import & Export Co.,Ltd.

重庆海盛船舶设备进出口有限公司

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PVC insulated Flexible wire

PVC insulated Flexible wire application

BVR wire and cable, are generally applicable to lighting, household appliances, instrumentation and telecommunication equipment and other equipment of rated voltage U_0 / U 450/750V and below.

Applicable standards: JB/T8734, GB/T5023, IEC60227

PVC insulated Flexible wire features

BV and BVR difference:

- (1) process, BV is usually single hard wire, BVR generally multivessel soft copper wire, BVR production technology relative to the BV, the more complicated it.
- (2) the price, because of the complexity of the production process than BV BVR point, so relatively speaking, the same cross-section of the cable, BVR's a little more expensive than BV.
- (3) performance, BV and BVR is basically the same, in the BVR slightly heavier weight;
- (4) construction, due to the number of BVR conductors is more than BV, but also small, so the finished product BVR a little softer than the BV line, it is even more ease of construction (at the roundabout).

PVC insulated Flexible wire service condition

While installing BVR wire and cable, pay attention to the following matters:

1. U_0 / U is 450/750V and 300/500V.
- 2 cable (wire) Working temperature, BV-90 type should not exceed 90 °C, other models should not exceed 70 °C.
- 3 cable (wire) laying temperature should not be less than 0 °C.
- 4 permissible bending radius: the cable outer diameter D of less than 25mm, should be not less than 4D, D cable diameter of 25mm and above, shall be not less than 6D.



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PVC insulated Flexible wire Specification

BVR、ZR-BVR

Rated Voltage	Nominal Area (mm ²)	Refer O.D (mm)	20°C Maximum	70°C Minimum	Nominal Ampacity (A)
			DC Resistance (Ω/km)	Insulation Resistance (MΩ/km)	
450/750V	2.5	4.2	7.41	0.011	34
	4.0	4.8	4.61	0.009	44
	6.0	5.5	3.08	0.0084	58
	10	7.2	1.83	0.0072	79
	16	8.6	1.15	0.0062	111
	25	10.2	0.727	0.0058	146
	35	12.2	0.524	0.0052	180
	50	14.2	0.387	0.0051	228
	70	16.5	0.268	0.0045	281

PVC insulated Flexible wire Show

