



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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### Light PVC sheathed cable

#### Light PVC sheathed cable application

Light PVC sheathed cable is used in power plant, electric appliances, instruments and telecommunications equipment for AC voltage 450/750V and below.

#### Light PVC sheathed cable service condition

(1) long-term allowable temperature wire and cable: 90 types of wire and cable, its long-term working temperature should not exceed 90 °C, Short-term working temperature can reach 105 °C; other types of wire and cable, its long-term working temperature should not exceed 70 °C.

(2) wire and cable laying temperature should not be less than 0 °C.

(3) allows the bending radius (B series):

- Cable diameter (D) of less than 25mm, allowing the bending radius should not be less than 4D;

- Cable diameter (D) is greater than 25mm and above permissible bending radius should not be less than 6D.

(4) flame retardant flame retardant wire and cable, should be able GA306, GB/T19666 Or IEC60332 standards required, wire and cable burning test.

(5) the fire resistance of fire-resistant wire and cable, should be able GA306, GB/T19666 Or IEC60332 standards required, wire and cable fire test.

#### Light PVC sheathed cable specification

BVV、ZR-BVV

Rated Voltage(V)	Nominal Area (mm <sup>2</sup> )	Insulation Thickness(mm)	Sheath Thickness (mm)	Refer O.D.(mm)	20°C Maximum DC Resistance (Ω/km)	70°C Minimum Insulation Resistance (MΩ/km)	25°C Ampacity Laying in air(A)
300/500	1.0	0.6	0.8	4.3	18.1	0.011	15
	1.5	0.7	0.8	4.8	12.1	0.011	19
	2.5	0.8	0.8	5.4	7.41	0.01	26
	4.0	0.8	0.9	6.0	4.61	0.0085	34
	6.0	0.8	0.9	6.6	3.08	0.007	44
	10	1.0	0.9	8.2	1.83	0.007	62
	16	1.0	1.0	9.7	1.15	0.005	85



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25	1.2	1.2	11.7	0.727	0.005	110
35	1.2	1.2	12.9	0.524	0.004	135
50	1.4	1.4	15.2	0.387	0.0045	170
70	1.4	1.4	16.9	0.268	0.0035	220
95	1.6	1.6	19.6	0.193	0.0035	270
120	1.6	1.6	21.1	0.153	0.0032	320
150	1.8	1.6	23.3	0.124	0.0032	360
185	2.0	1.8	26.0	0.0991	0.0032	425
240	2.2	1.8	29.1	0.0754	0.0032	510
300	2.4	2.0	32.0	0.100	0.003	570

Light PVC sheathed cable show

