



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 Flexible Cable

Light PVC sheathed Flexible Cable application

Light PVC sheathed Flexible Cable because it has two layers of plastic (ie, insulation and sheath), and the product is relatively soft, it is so widely used, mainly used in electrical, instrumentation and electronic equipment and automation devices with power lines, control lines and signal transmission lines.

Light PVC sheathed Flexible Cable Construction

Conductor: copper conductor meet GB/T3956 Class 5 (equivalent to IEC60228.5).

Insulation: Polyvinyl chloride (PVC)

Color: according to customer requirements or strict accordance with standards.

Sheath: Flexible PVC (PVC)

Color: gray, white, black, orange, or according to customer requirements.

Core identification: ≤ 5 cores colored wire; black cores with white numbers, yellow / green lines.

Light PVC sheathed Flexible Cable Service Condition

cable while installing and usage, it should strictly comply with the GB50168-2006 standard, and pay special attention to the following matters:

(1) bending radius must be more than 15 times the cable diameter, or easy to damage the cable, and even affect the use of security incidents!

(2) common type of RVV cable operating temperature not lower than 0 °C, otherwise it may crack the outer sheath will affect use.

(3) Common type RVV cable operating temperature should not exceed 70 °C, flame retardant cable RVV operating temperature generally does not exceed 90 °C.

Number of cores 2-5 cores, or according to customer requirements

Cross-sectional area :0.5 - 2.5 mm², or according to customer requirements

Test voltage: 2000V, 5min.

Insulation resistance:> 200M ohms / KM.

Operating temperature: 0 ~ +70 °C.

Bending radius: 15D.

Flame retardant properties: IEC60332.1.

Reference Standard: GB/T5023, IEC60227, HD VDE21.5 S3.

Packing: 100m, 500m, 1000m.



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Light PVC sheathed Flexible Cable Specification

RVV、ZR-RVV(60227IEC52、53)

| Rated Voltage | Area (mm ²) | Conductor Category | Refer Outer Diameter (mm) | 20°C Maximum DC Resistance (Ω/km) | 70°C Minimum insulation resistance (MΩ/km) | Nominal Ampacity (A) |
|---------------|-------------------------|--------------------|---------------------------|-----------------------------------|--|----------------------|
| 300/300V | 2 x 0.5 | 5 | 6.2 | 39.0 | 0.012 | 10 |
| | 2x 0.75 | 5 | 6.6 | 26.0 | 0.010 | 13 |
| | 3 x 0.5 | 5 | 6.6 | 39.0 | 0.012 | 7.4 |
| | 3x 0.75 | 5 | 7.0 | 26.0 | 0.010 | 9.5 |
| 300/500V | 2x 0.75 | 5 | 7.6 | 26.0 | 0.011 | 13 |
| | 2 x 1.0 | 5 | 8.0 | 19.5 | 0.010 | 16 |
| | 2 x 1.5 | 5 | 9.0 | 13.3 | 0.010 | 20 |
| | 2 x 2.5 | 5 | 11.0 | 7.98 | 0.009 | 27.5 |
| | 3x 0.75 | 5 | 8.0 | 26.0 | 0.011 | 9.5 |
| | 3 x 1.0 | 5 | 8.4 | 19.5 | 0.010 | 11.7 |
| | 3 x 1.5 | 5 | 9.8 | 13.3 | 0.010 | 12.7 |
| | 3 x 2.5 | 5 | 11.5 | 7.98 | 0.009 | 21 |
| | 4x 0.75 | 5 | 8.6 | 26.0 | 0.011 | 10 |
| | 4 x 1.0 | 5 | 9.4 | 19.5 | 0.010 | 12 |
| | 4 x 1.5 | 5 | 11.0 | 13.3 | 0.010 | 13 |
| | 4 x 2.5 | 5 | 13.0 | 7.98 | 0.009 | 21 |
| | 5x 0.75 | 5 | 9.6 | 26.0 | 0.011 | 10 |
| | 5 x 1.0 | 5 | 11.0 | 19.5 | 0.010 | 12 |
| | 5 x 1.5 | 5 | 12.0 | 13.3 | 0.010 | 13 |
| | 5 x 2.5 | 5 | 14.0 | 7.98 | 0.009 | 22 |