

# CHINA HI-SEA MARINE EQUIPMENT IMPORT&EXPORT CO.,LTD.

## Metal Shield power cable

### Metal shield power cable application

This product is used in D.C and A.C power transmission with rated voltage 0.6/1KV and below. In addition to the electrical characteristics of ordinary plastic power cable, it also has the strong anti-electromagnetic interference, anti-lightning and balanced performance potential, improve power quality characteristics. Especially suitable places with sophisticated electronic devices, such as computer centers, aerospace control centers, intelligent buildings.

### Metal shield power cable Service condition

- 1, the maximum allowable operating temperature long conductor: PVC insulated 70 °C; XLPE 90 °C.
- 2, cable short circuit (the longest duration of no more than 5s), does not exceed the maximum temperature of the conductor: PVC insulated 160 °C; XLPE insulated 250 °C.
- 3, when the ambient temperature under installation should not below 0 °C.
- 4, cable bending diameter is the same as ordinary power cable

### Metal shield power cable Technical performance

- 1, the DC resistance of the conductor to meet the requirements of GB/T3956-1997.
- 2, AC voltage test: Finished cable withstand AC 50Hz, 3.5KV, 5min no breakdown, Soaking voltage test carried out for single core cable.

### Metal shield power cable model

Model		Name
Copper	Aluminum	
VV-P YJV-P	VLV-P YJLV-P	PVC(XLPE)insulated metal shield PVC sheathed power cable
VV22-P YJV22-P	VLV22-P YJLV22-P	PVC(XLPE)insulated metal shield Steel tape armored PVC sheathed power cable
VV32-P YJV32-P	VLV32-P YJLV32-P	PVC(XLPE)insulated metal shield Thin steel wire armored PVC sheathed power cable
VV42-P YJV42-P	VLV42-P YJLV42-P	PVC(XLPE)insulated metal shield Thick steel wire armored PVC sheathed power cable
ZR-VV-P ZR-YJV-P	ZR-VLV-P ZR-YJLV-P	Flame retardant PVC(XLPE)insulated metal shield PVC sheathed power cable
ZR-VV22-P ZR-YJV22-P	ZR-VLV22-P ZR-YJLV22-P	Flame retardant PVC(XLPE)insulated metal shield steel tape armored PVC sheathed power cable
ZR-VV32-P ZR-YJV32-P	ZR-VLV32-P ZR-YJLV32-P	Flame retardant PVC(XLPE)insulated metal shield thin steel wire armored PVC sheathed power cable

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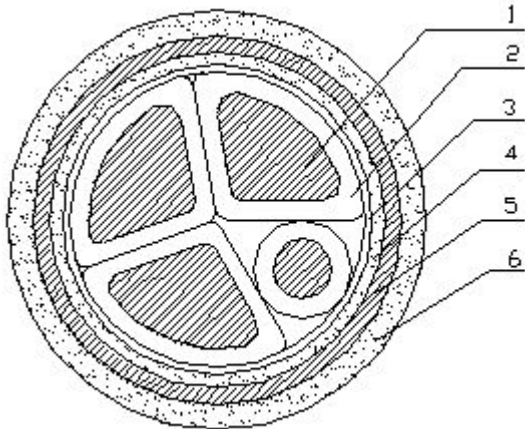
ZR-VV42-P ZR-YJV42-P	ZR-VLV42-P ZR-YJLV42-P	Flame retardant PVC(XLPE)insulated metal shield thick steel wire armored PVC sheathed power cable
NH-VV-P NH-YJV-P	-	Flame retardant PVC(XLPE)insulated metal shieldPVC sheathed fire resistant power cable
NH-VV22-P NH-YJV22-P	-	Flame retardant PVC(XLPE)insulated metal shield steel tape armored PVC sheathed fire resistant power cable
NH-VV32-P NH-YJV32-P	-	Flame retardant PVC(XLPE)insulated metal shield thin steel wire armored PVC sheathed fire resistant power cable
NH-VV42-P NH-YJV42-P	-	Flame retardant PVC(XLPE)insulated metal shield thick steel wire armored PVC sheathed fire resistant power cable

### Metal shield power cable specification

Model				Cores	Nominal Area mm <sup>2</sup>
Copper		Aluminum			
VV-P	YJV-P	VLV-P	YJLV-P	1	4~300
NH-VV-P	NHYJV-P	-	-		
ZR-VV-P	ZR-YJV-P	ZR-VLV-P	ZR-YJLV-P		
VV-P	YJV-P	VLV-P	YJLV-P	2	4~185
NH-VV-P	NHYJV-P	-	-	3	4~300
ZR-VV-P	ZR-YJV-P	ZR-VLV-P	ZR-YJLV-P	3+1	
VV22-P	YJV22-P	VLV22-P	YJLV22-P	4	
NH-VV22-P	NH-YJV22-P	-	-		
ZR-VV22-P	ZR-YJV22-P	ZR-VLV22-P	ZR-YJLV22-P		
VV32-P	YJV32-P	VLV32-P	YJLV32-P		
NH-VV32-P	NH-YJV32-P	-	-		
ZR-VV32-P	ZR-YJV32-P	ZR-VLV32-P	ZR-YJLV32-P		
VV42-P	YJV42-P	VLV42-P	YJLV42-P		
NH-VV42-P	NH-YJV42-P	-	-		
ZR-VV42-P	ZR-YJV42-P	ZR-VLV42-P	ZR-YJLV42-P		

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## Metal shield power cable construction



1. Conductor      2. PVC(XLPE) insulation      3. Tape      4. PVC inner sheath  
5. Copper tape shield      6. PVC outer sheath