

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

Five cores PVC insulated and sheathed power cable

Five core PVC insulated and sheathed power cable application

This product is intended for power transmission of rated voltage 3.6/6KV and below. Five core power cable is needed to meet the development and security of the power distribution system, the neutral voltage distribution system works separately with the zero line, make the system run more stable, to protect the safety of operating personnel. Our five core power cable is patented product.

Five core PVC insulated and sheathed power cable service conditions and features

- 1, the insulated core identification using three: insulation color extrusion; monochrome, with 0,1,2,3,4 coded identification; color, color bar crowded.
- 2, five-core cables for power transmission and distribution of three-phase five-wire system, due to the neutral wire core separated from ground makes the system more stable, more secure operating personnel. And five-core power cable with a unique tile-shaped design, the cable has a stable structure, light weight, small diameter characteristics.
- 3, the maximum rated operating temperature of cable conductor is 70 °C;
- 4, short circuit (the longest duration of no more than 5S), the maximum operating temperature of cable conductor is 160 °C;
- 5, The ambient temperature should not be less than 0 °C;
- 6, Bending diameter cabling as: single-core cable is not less than 40 times the cable diameter; Multi-core cable is not less than 30 times the cable diameter.

Five core PVC insulated and sheathed power cable Model

Product model		Name
Copper core	Aluminum Core	
VV	VLV	Copper(Aluminum) Conductor PVC insulated and sheathed power cable
VV22	VLV22	Copper(Aluminum) Conductor PVC insulated and sheathed steel tape armored power cable
VV32	VLV32	Copper(Aluminum) Conductor PVC insulated and sheathed thin steel tape armored power cable
VV42	VLV42	Copper(Aluminum) Conductor PVC insulated and sheathed thick steel wire armored power cable

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Five core PVC insulated and sheathed power cable Specification

Product Model		Cores	Nominal Area(mm ²)
Copper Core	Aluminum Core		
VV	VLV	1	1.5~800
VV22	VLV22	2	1.5~185
VV32	VLV32	3	1.5~300
VV42	VLV42	3+1	4~300
		4	4~300
		4+1	4~185
		3+2	4~185
		5	4~185

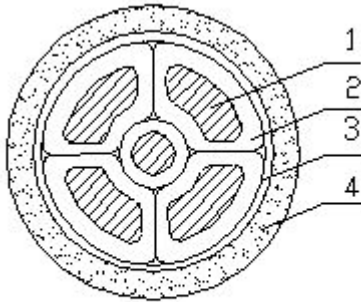
Five core PVC insulated and sheathed power cable technical performance

DC resistance of the conductor complies with the requirements of GB/T3956-1997.

Finished cable insulation meets GB12706.1 requirements. Finished cable should withstand A.C voltage listed table below for 5 minutes no breakdown.

U ₀ /U (kV)	0.6/1	1/1	1.8/3	3/3	3.6/6
U _s (kV)	3.5	4.5	6.5	9.5	11

Five core PVC insulated and sheathed power cable construction



1-导体 2-绝缘 3-包带 4-护套

1-Conductor

2-Insulation

3-Tape

4-Sheath