

Fluoroplastics Insulated Power Cable

◆ Standard

Fluoroplastics Power Cables is manufactured according to Q/320412HLC008.

◆ Application

These cables are suitable for use in fixed installations for rated voltages up to (U_0/U) 0.6/1kV, as power transmission/distribution lines in high temperature areas.

◆ Product Property

- (1) Rated voltage U_0/U : 0.6/1kV.
- (2) The max. operating temperature: HCF₄₆H₃、HCF₄₆H₃-8、HCF₄₆H₃-9 is 200°C, HCF₄₆V、HCF₄₆V₂₂ is 105°C.
- (3) Environment temperature in laying the cable: HCF₄₆H₃、HCF₄₆H₃-8、HCF₄₆H₃-9 is -60°C-200°C, HCF₄₆V、HCF₄₆V₂₂ is -15°C-105°C.
- (4) The min. Bending radius should be not less than 15 times of cable outer diameter.
- (5) It has excellent chemical resistance, weather resistance, flame retardant and waterproof performance.
- (6) Conductor resistance complies with the GB3956.
- (7) Voltage test: 3.5kV/5min no breakdown.

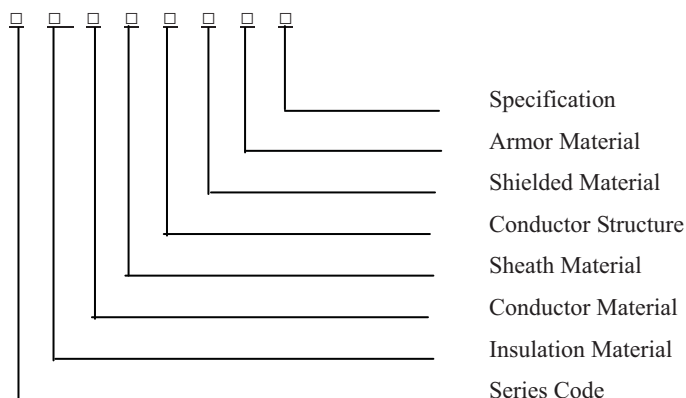
◆ Code and Explanation

1. Code Explanation (Table 1)

Table 1

Item	Code	Explanation
Insulated series	F ₄₆	F ₄₆ Insulated Power cable
Sheath	H ₃	F ₄₆ sheathed
	V	105°C PVC sheathed
Armor	8	Copper wire armored
	9	Steel wire armored
	22	Double steel tape armored
Grade of temperature	200	The Max. operating temperature 200°C
	105	The Max. operating temperature 105°C

2. Type explanation



Fox example:

ISO9001 ISO14001 OHSAS18001

您的信赖 我们的坚持

We insist on your confidence.

F46 insulated、F46 sheathed three cores steel wire armored, nominal cross section area is 120mm², is indicated:
HCF₄₆H-9 3×120.

◆ Technical Data

Table 2

Type	Core number	Nominal cross-section mm ²
HCF ₄₆ H ₃	1,2,3,4,3+1	1.5-240
HCF ₄₆ V	1,2,3,4,3+1	1.5-185
HCF ₄₆ H ₃ -8	2,3,4,3+1	4-185
HCF ₄₆ H ₃ -9	2,3,4,3+1	4-185
HCF ₄₆ V ₂₂	2,3,4,3+1	4-185

Table 3

The cross-section area of (3+1) cores the fourth code (neutral conductor) should be according to the table 3

No. of cores	4 Cores	No. of Cores	4 Cores	No. of Cores	4 Cores
4	2.5	25	16	95	50
6	4	35	16	120	70
10	6	50	25	150	70
16	10	70	35	185	95

◆ Type and Name

Table 4

Type	Name	Using temperature
HCF ₄₆ H ₃	F ₄₆ insulated and sheathed power cable	-60℃-200℃
HCF ₄₆ H ₃ -8	F ₄₆ insulated and F ₄₆ sheathed copper wire armored power cable	-60℃-200℃
HCF ₄₆ H ₃ -9	F ₄₆ insulated and F ₄₆ sheathed steel wire armored power cable	-60℃-200℃
HCF ₄₆ V	F ₄₆ insulated 105℃ Flame retardant PVC sheathed power cable	-15℃-105℃
HCF ₄₆ V ₂₂	F ₄₆ insulated 105℃ Flame retardant sheathed PVC steel tape armored power cable	-15℃-105℃