

氟塑料绝缘（阻燃）电力电缆

(Flame retardant)power cable with Fluoroplastic insulation

本产品适用于额定电压0.6/1kV及以下高温范围和恶劣环境内，作电气设备电能传输线。

一、生产执行标准

TICW2-2009，JB/T13484-2018及企业标准。

二、使用特性

- 1、额定电压 U_0/U : 0.6/1kV；
- 2、电缆允许最高工作温度: 氟塑料绝缘为200℃；
- 3、电缆敷设温度应不低于-15℃；
- 4、电缆的弯曲半径如下：单芯电缆，其弯曲半径不小于电缆外径的20D；三芯电缆，其弯曲半径不小于电缆外径的15D；
- 5、氟塑料绝缘及护套型电力电缆具有优异的耐化学腐蚀性、耐高温及阻燃性。

三、型号说明

It is used as power transmission cable for electric equipments of rated voltage 0.6/1kV or lower in bad environment or that with high temperature.

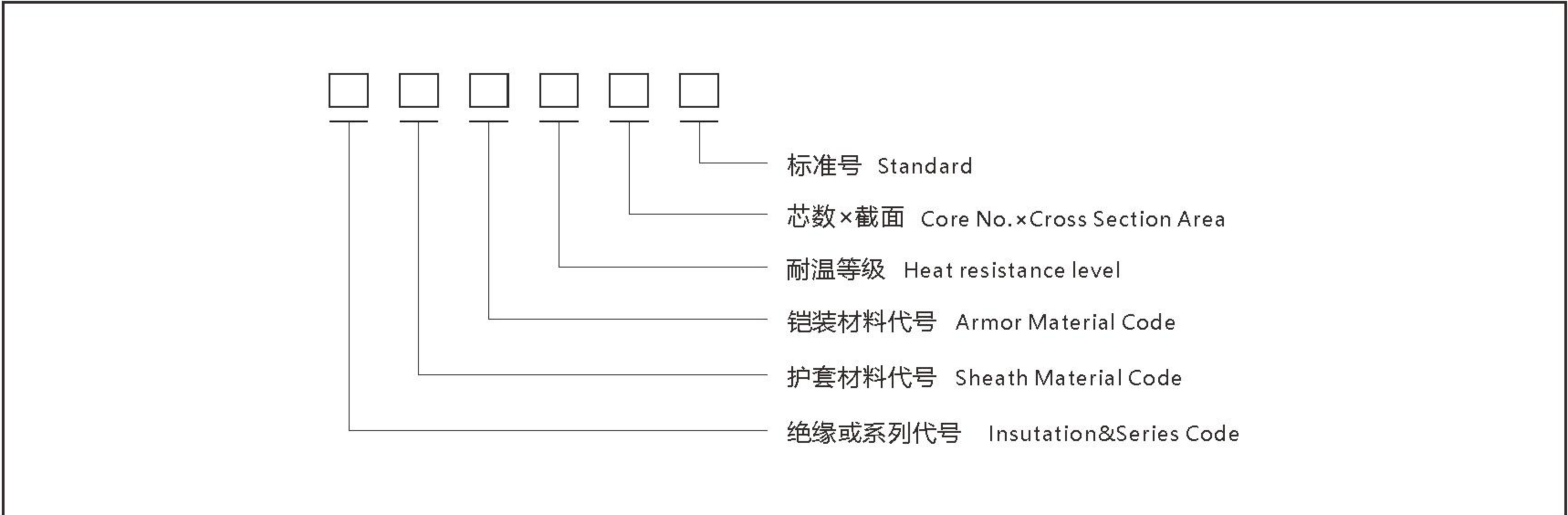
Executive standard

TICW2-2009,JB/T13484-2009 and Enterprise standard.

Operational performance

- 1.Rated voltage U_0/U : 0.6/1kV.
- 2.Max.working temperature allowed by cable is 200℃ for cable with fluoroplastic insulation.
- 3.Cable laying temperature shall not be lower than -15℃.
- 4..Bending radius of cable as follows:
It is no less than 20 times that of cable outer diameter for cable with single core.It is no less than 15 times that of cable outer diameter for cable with 3 cores.
- 5..Power cable with fluoroplastic insulation and sheath has good features of chemical corrosion resistance, high temperature resistance and flame retardance.

Model explantion



项目 Item	代号 Code	说明 Explanation
绝缘 Insutation	F	氟塑料绝缘 Fluoroplastic insulation
护套 Sheath	G	硅橡胶护套 Silicone rubber sheath
	F	氟塑料护套 Fluoroplastic sheath
铠装 Armoring	2	钢带铠装 Steel tape armor
	9	镀锌钢丝编织铠装 Steel wire braid armored
耐温等级 Grade of Heat resistance	200	最高工作温度 200℃ The Max.operating temperature 200℃

四、电缆的型号名称

Type and Description

1、电缆的型号名称

Type and Description

型 号 Type	名 称 Description
FF	氟塑料绝缘护套耐高温电力电缆 Power cable with Fluoroplastic insulation and sheath.
FF2F	氟塑料绝缘钢带铠装氟塑料护套电力电缆 Power cable with Fluoroplastic insulation ,steel tape armor,Fluoroplastic sheath
FF9F	氟塑料绝缘钢丝编织铠装氟塑料护套电力电缆 Power cable with Fluoroplastic insulation ,steel wire braided armor,F46 sheath
(ZR) -FG	氟塑料绝缘（阻燃）硅橡胶护套耐高温电力电缆 (Flame retardant)Power cable with Fluoroplastic insulation and silicon rubber sheath.

注：
1、氟塑料和硅橡胶绝缘电缆不推荐采用铠装结构，如采用铠装结构，优先采用金属丝编织铠装，金属丝采用铜丝、镀锌钢丝等。
2、除特殊结构外，用于交流回路的单芯电缆铠装应采用非磁性材料。

Note:
1. It is not recommended to adopt armored structure for fluoroplastic and silicone rubber insulated cables. If armored structure is adopted, metal wire braided armor is preferred, and copper wire and galvanized steel wire are used.
2. Except for special structures, single core armor cables used for AC circuits shall be made of non-magnetic materials.

五、电缆规格

Specication of Cable

1、电缆规格表示为芯数×导体标称截面mm²，其芯数及导体标称截面：

“ core number * nominal cross section” stands for cable specification. Please see the following table for core number and nominal cross section.

型 号 Type	芯 数 Core number	标称截面 mm² Nominal cross section area
FF、FG	1	1.5 ~ 185
FF、FF9F、FF2F	2、3、4、5、3+2、3+1、4+1	1.5 ~ 70
FG、FG2G		1.5 ~ 240

六、技术参数

Technical Parameter

- 1、20℃导体直流电阻应符合GB/T3956标准规定；
- 2、电缆应经受3500V交流耐压试验5min绝缘不击穿。

- 1.DC resistance of conductor at 20℃ shall meet the requirement of GB/T3956 standard.
- 2.Cable shall bear AC voltage test of 3500V for 5min without puncture of insulation.

七、交货长度

Delivery Length

- 1、根据双方协议，允许任何长度的电缆交货；
- 2、长度计量误差不超过±0.5%。

- 1.Delivery length of cable depends on both agreements.
- 2.The measurement error of lenth is no more than ±0.5%.