

## 耐高温防火电缆 High temperature resistant fireproof cable

### 产品用途

本产品适用于发电、冶金等高温、防火、防腐等恶劣环境下电器连接或动力传输。

### Application

Applicable to electrical connection or power transmission of power generating, metallurgical and other high temperature, fireproof, anti-corrosion etc. severe environment.

### 使用特性

1. 用于交流50Hz额定电压1kV以下  
使用温度：一种-40~500℃，一种-40~800℃。
2. 耐火特性：火焰温度950~1000℃，燃烧时间90min，附加额定电压，2A熔断器不断。

### Service property

1. Used for rated voltage up to and including 1kV at a.c.50Hz, maximum operating temperature (two kinds): -40~500℃; -40~800℃;
2. Fire resistant property:  
Flaming temperature should be 950~1000℃, duration should be 90 minutes, added rated voltage, 2A fuse should not blowout.

### 基本型号及名称 Type and description

型号 Type	产品名称 Description
AFHBR	氟塑料绝缘耐高温防火软电缆 Fluoroplastics insulated heat resistant flexible fireproof cable
AFHBRP	氟塑料绝缘耐高温屏蔽防火软电缆 Fluoroplastics insulated heat resistant flexible fireproof shielded cable
ABHBR	聚四氟乙烯绝缘耐高温防火软电缆 PTFE insulated heat resistant flexible fireproof cable
ABHBRP	聚四氟乙烯绝缘耐高温屏蔽防火软电缆 PTFE insulated heat resistant flexible fireproof shielded cable

注：阻燃电缆应在型号前加ZR，铠装电缆型号后加22

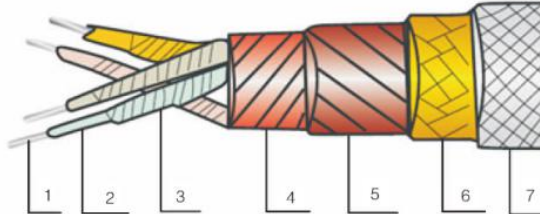
Note: 'ZR' should be added before flame retardant cable type, '22' should be added behind armored cable type.

### 主要技术指标 Main technical index

项目 Item	单位 Unit	指标 Index
20℃导体直流电阻 ≤ dc resistance at 20℃	Ω/km	符合GB/T3956规定 Comply with the stipulations of GB/T3956
试验电压 Test voltage	kV/min	3.5/5
绝缘电阻 Insulation resistance	MΩ·km	500
耐火特性 Fire resistant property		GB/T 19666-2005



产品结构示意图 Structure diagram



1. 导体铜芯或镍芯
  2. 聚四氟绕包, 玻纤编织或F46注塑或云母带着绝缘
  3. 玻纤
  4. 高温玻纤布绕包
  5. 云母带
  6. 玻纤布绕包
  7. 外屏蔽护套
- 注: 如需阻燃护套, 型号前加ZR

1. Cu/Ni conductor
  2. F4 wrapped, glass fiber braided or F46 mould plastics or mica tape insulation
  3. Glass optical
  4. High temperature glass fiber wrapped
  5. Mica tape
  6. Glass fiber wrapped
  7. Outer shield sheathed
- Remark: If need flame retardant sheath, add "ZR" before the type.

基本电缆规格和结构参数 Cable specification and structural parameter

规格mm <sup>2</sup> Specification	近似外径(mm) Approximate outer diameter	规格mm <sup>2</sup> Specification	近似外径(mm) Approximate outer diameter
2*1.5	10.0	-	-
3*1.5	10.2	-	-
3*2.5	12.5	3*2.5+1*1.5	14.0
3*4	14.2	3*4+1*2.5	15.7
3*6	16.5	3*6+1*4	17.5
3*10	17.5	3*10+1*6	20.0
3*16	20.5	3*16+1*10	22.8
3*25	23.9	3*25+1*10	26.5