

# AF-125氟塑料安装电线

## AF-125 Fluoroplastics Installation Wire

本产品适用于耐低温导线、耐高温加热导线及阻燃耐老化导线也可用于空调机、微波炉、电子消毒柜、灯具灯饰等内部布线，建筑行业中可作为500V及以下的照明及动力机械的阻燃耐老化导线。

### 一、生产执行标准

参照GJB773A。

### 二、使用条件

- 1、电导体最高工作温度为125℃，最低环境温度为-50℃；
- 2、额定电压：300/500V。

### 三、技术特性

- 1、电线具有优良的耐腐蚀性能，几乎不溶于任何有机溶剂，可抗油、强酸、强碱、强氧化剂；
- 2、具有优良的电绝缘性能，耐高电压、高频损耗小，不吸湿，绝缘电阻大；
- 3、具有优良的阻燃、耐老化性能，氧指数≥43，使用寿命长。

### 四、技术参数

标称截面 mm <sup>2</sup> Nominal cross section area	电线最大外径 mm Max. O.D of wire	载流量 A Current-loading capacity	20℃导体最大电阻 Ω/km Max. resistance of conductor at 20℃
0.3	1.62	2.5	71.2
0.5	1.75	6	40.1
0.75	1.96	10	22.2
1.0	2.20	14	20.0
1.5	2.62	22	13.7
2.0	2.85	26	8.86
2.5	3.00	30	8.21
3.5	3.68	37	6.1
4.0	3.86	40	5.09
5.5	4.10	50	4.5
6.0	4.68	55	3.39
8.0	5.25	65	2.35
10.0	5.68	75	1.95
16.0	5.96	82	1.21

### 五、交货长度

根据双方协议允许任何长度交货，计量误差允许不超过±0.5%。

It is used as low temperature resistant wire, high temperature resistant heating wire or flame retardant and aging resistant wire. It is used for inner wiring in air conditioner, microwave stove, electronic sterilizer, lighting etc or as flame retardant and aging resistant wire for lighting and engine of voltage 500 V in construction industry.

### Executive standard

GJB773A.

### Operational performance

1. Max working temperature of wire conductor is 125°C. Min. environment temperature is -50°C.
2. Rated voltage: 300/500V

### Technical Performance

1. It has good feature of corrosion resistant, and it is almost insoluble in any organic solvent. It is resistant to grease, strong acid and strong alkali.
2. It has good electric insulation character, and is resistant to high voltage, with small H.F. loss, without absorbing moisture, and with high insulation resistance.
3. It has good performance of resisting fire and aging, oxygen index≥43, with long lifetime.

### Main Technical Parameter

### Delivery Length

Delivery length of cable depends on both agreements with length error allowance of ±0.5%.