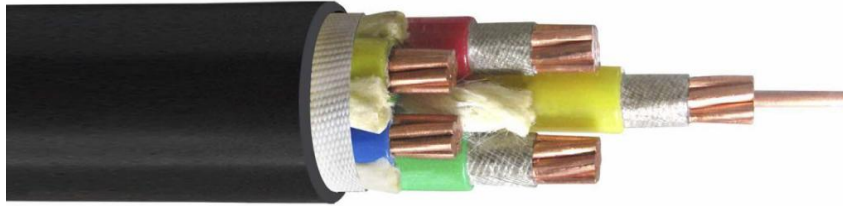


**阻燃、耐火系列电线电缆**
**Flame-retardant & Fire-resistant Wire & Cable**

**使用场合 Application:**

适用于有阻燃、耐火、低烟低卤、低烟无卤等有防火要求的场所，如大容量电厂、核电站、地下铁道、高层建筑、人口密集地段等。

Apply to the places with requirements of flame-retardant, fire-resistant, low-smoke & low-halogen, low-smoke & halogen-free, and other fire-proof, such as large capacity power plant, nuclear station, subway, high building, population center, etc.

**型号、名称和适用范围 Model, Name & Use scope:**

| Name                           | Model | Flame-retardant Grade | Use Scope                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------|-------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 阻燃系列<br>Flame-retardant series | ZR    | IA                    | 交流额定电压 35KV 及以下塑料绝缘阻燃电力电缆、交流额定电压 450/750V 及以下塑料绝缘阻燃控制电缆和交流额定电压 450/750V 及以下塑料绝缘阻燃电缆<br>Plastic insulated and flame retardant power cable: AD rated voltage 35KV Max.<br>Plastic insulated and flame retardant control cable: AD rated voltage 450/750V Max.<br>Plastic insulated and flame retardant cable: AD rated voltage 450/750V Max. |
|                                |       | IB                    |                                                                                                                                                                                                                                                                                                                                            |
|                                |       | IC                    |                                                                                                                                                                                                                                                                                                                                            |
|                                |       | IIA                   |                                                                                                                                                                                                                                                                                                                                            |
|                                |       | IIB                   |                                                                                                                                                                                                                                                                                                                                            |
|                                |       | IIC                   |                                                                                                                                                                                                                                                                                                                                            |
|                                |       | IIIA                  |                                                                                                                                                                                                                                                                                                                                            |
|                                |       | IIIB                  |                                                                                                                                                                                                                                                                                                                                            |
|                                |       | IIIC                  |                                                                                                                                                                                                                                                                                                                                            |
|                                |       | IVA                   |                                                                                                                                                                                                                                                                                                                                            |
|                                |       | IVB                   |                                                                                                                                                                                                                                                                                                                                            |
| 耐火系列<br>Fire-resistant series  | NH    | IA                    | 交流额定电压 0.6/1kV 塑料绝缘耐火电力电缆、交流额定电压 450/750V 及以下塑料绝缘耐火控制电缆和交流额定电压 450/750V 及以下塑料绝缘耐火电缆<br>Plastic insulated and fire-resistant power cable: AD rated voltage 0.6/1kV Max.; Plastic insulated and fire-resistant control cable: AD rated voltage 450/750V Max.; Plastic insulated and fire-resistant cable: AD rated voltage 450/750V Max.     |
|                                |       | IB                    |                                                                                                                                                                                                                                                                                                                                            |
|                                |       | IIA                   |                                                                                                                                                                                                                                                                                                                                            |
|                                |       | IIB                   |                                                                                                                                                                                                                                                                                                                                            |
|                                |       | IIIA                  |                                                                                                                                                                                                                                                                                                                                            |
|                                |       | IIIB                  |                                                                                                                                                                                                                                                                                                                                            |
|                                |       | IVA                   |                                                                                                                                                                                                                                                                                                                                            |
| IVB                            |       |                       |                                                                                                                                                                                                                                                                                                                                            |

**阻燃性能级别及技术要求 Flame-retardant Property, Class & Technical requirements:**

| Flame-retardant Grade | Technical requirements   |                            |                                 |                                       |                |                      |
|-----------------------|--------------------------|----------------------------|---------------------------------|---------------------------------------|----------------|----------------------|
|                       | Flame-retardant Property |                            | Smoke Toxicity                  | Smoke density (Min. Transmittance) /% | Anti-corrosion |                      |
|                       | Test Method              | Height of Carbonization /M |                                 |                                       | PH Value       | Conductivity (μs/mm) |
| IA/IB/IC              | GB/T 18380.3             | ≤2.50                      | GB/T20285 Class ZA <sub>2</sub> | ≥80                                   | ≥4.3           | ≤10                  |
| IIA/IIB/IIC           |                          |                            | —                               | ≥60                                   |                |                      |
| IIIA/IIIB/IIIC        |                          |                            | GB/T20285 Class ZA <sub>3</sub> | ≥20                                   | —              |                      |
| IVA/IVB/IVC           |                          |                            | —                               | —                                     | —              |                      |

**耐火性能级别及技术要求 Flame-resistant Property, Class & Technical requirements:**

| Flame-retardant Grade | Technical requirements   |                                         |                                 |                                       |                |                      |
|-----------------------|--------------------------|-----------------------------------------|---------------------------------|---------------------------------------|----------------|----------------------|
|                       | Flame-retardant Property |                                         | Smoke Toxicity                  | Smoke density (Min. Transmittance) /% | Anti-corrosion |                      |
|                       | Fire temperature         | Circuit integrity                       |                                 |                                       | PH Value       | Conductivity (μs/mm) |
| IA                    | 750~800°C                | Satisfy the requirement of GB/T19216.21 | GB/T20285 Class ZA <sub>2</sub> | ≥80                                   | ≥4.3           | ≤10                  |
| IB                    | 950~1000°C               |                                         |                                 | ≥60                                   |                |                      |
| IIA                   | 750~800°C                |                                         | GB/T20285 Class ZA <sub>3</sub> | ≥20                                   | —              |                      |
| IIB                   | 950~1000°C               |                                         |                                 |                                       |                |                      |
| IIIA                  | 750~800°C                |                                         | —                               | —                                     | —              |                      |
| IIIB                  | 950~1000°C               |                                         |                                 |                                       |                |                      |
| IVA                   | 750~800°C                | —                                       | —                               | —                                     |                |                      |
| IVB                   | 950~1000°C               | —                                       | —                               | —                                     |                |                      |