

# PVC Insulated Electrical Cable

This cable is suitable for connection wiring in power distribution lines with AC rated voltage of 450/750V and below. The maximum working temperature of the conductor is 70°C and 90°C.

**布线用聚氯乙烯绝缘电线电缆**

本产品适用于交流额定电压450/750V及以下布线用聚氯乙烯绝缘电线电缆。

• 产品执行标准：  
GB5023-1997 额定电压450/750V及以下聚氯乙烯绝缘电线电缆；  
JB8734-1998 额定电压450/750V及以下聚氯乙烯绝缘电线电缆材料规范。

• 电缆使用特性：  
导体最高工作温度为70°C和90°C。

电缆的型号及名称：见表15-1

表15-1 450/750V及以下聚氯乙烯绝缘电线电缆的型号、名称

| 型号/Type  | 名称/Description                  | 芯数/Cores | 截面/Size | 电压/Voltage | 导体材料/Conductor |
|----------|---------------------------------|----------|---------|------------|----------------|
| 2271EC01 | 一般用途单芯硬导体无护套电缆                  | 1        | 1.5-400 | 450/750    | 铜              |
| 2271EC02 | 一般用途单芯软导体无护套电缆                  | 1        | 1.5-240 | 450/750    | 铜              |
| 2271EC05 | 内装布线用铜芯截面为1.5mm²的聚氯乙烯绝缘无护套电缆    | 1        | 0.5-1.0 | 300/500    | 铜              |
| 2271EC06 | 内装布线用铜芯截面为1.5mm²的聚氯乙烯绝缘软导体无护套电缆 | 1        | 0.5-1.0 | 300/500    | 铜              |
| 2271EC07 | 内装布线用铜芯截面为1.5mm²的聚氯乙烯绝缘硬导体无护套电缆 | 1        | 0.5-1.0 | 300/500    | 铜              |
| 2271EC08 | 内装布线用铜芯截面为1.5mm²的聚氯乙烯绝缘软导体无护套电缆 | 1        | 0.5-1.0 | 300/500    | 铜              |
| 2271EC09 | 内装布线用铜芯截面为1.5mm²的聚氯乙烯绝缘硬导体无护套电缆 | 1        | 0.5-1.0 | 300/500    | 铜              |
| 2271EC10 | 内装布线用铜芯截面为1.5mm²的聚氯乙烯绝缘软导体无护套电缆 | 1        | 0.5-1.0 | 300/500    | 铜              |
| 2271EC11 | 内装布线用铜芯截面为1.5mm²的聚氯乙烯绝缘硬导体无护套电缆 | 1        | 0.5-1.0 | 300/500    | 铜              |

## Product Overview

### Versatile PVC Insulated Cables

This PVC insulated electrical cable is designed for reliable power distribution in various electrical installations. Suitable for AC rated voltages of 450/750V and below, it offers excellent performance for both general-purpose wiring and internal electrical connections. Available in various configurations, these cables support conductor operating temperatures of up to 70°C and 90°C, ensuring durability and safety in demanding environments.

## Technical Standards

### Rated Voltage

450/750V • 300/500V

### Compliance Standards

GB5023-1997, JB8734-1998, GB5023.3

## Performance

### Max Conductor Temperature

- 70
- 90

## Product Catalog

### Cable Specifications Table

| Type Code | Description                                | Voltage (V) | Cross-section (mm <sup>2</sup> ) |
|-----------|--|-------------|----------------------------------|
| 2271EC01  | General purpose single-core hard conductor | 450/750     | 1.5-400                          |
| 2271EC02  | General purpose single-core soft conductor | 450/750     | 1.5-240                          |
| 2271EC05  | Internal wiring 70°C solid conductor       | 300/500     | 0.5-1.0                          |
| 2271EC06  | Internal wiring 70°C soft conductor        | 300/500     | 0.5-1.0                          |
| 2271EC07  | Internal wiring 90°C solid conductor       | 300/500     | 0.5-2.5                          |