

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两种。

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/Number of cores	截面/截面积/Conductor cross-section (mm ²)	电压/Voltage
Z271EC01	一般用途单芯硬导体无护套电缆	1	1.5-400	450/750
1810	Single-core hard conductor non-sheathed cable	1	1.5-400	450/750
Z271EC02	一般用途单芯软导体无护套电缆	1	1.5-240	450/750
1811	Single-core soft conductor non-sheathed cable	1	1.5-240	450/750
Z271EC05	内装布线用铜芯截面为1.5mm ² 的聚氯乙烯绝缘无护套电缆	1	0.5-1.0	300/500
1812	Single-core PVC-insulated copper core conductor cable for internal wiring in 70°C	1	0.5-1.0	300/500
Z271EC06	内装布线用铜芯截面为1.5mm ² 的聚氯乙烯绝缘软导体无护套电缆	1	0.5-1.0	300/500
1813	Single-core soft conductor non-sheathed cable for internal wiring in 70°C	1	0.5-1.0	300/500
Z271EC07	内装布线用铜芯截面为1.5mm ² 的聚氯乙烯绝缘硬导体无护套电缆	1	0.5-2.5	300/500
1814	Single-core hard conductor non-sheathed cable for internal wiring in 90°C	1	0.5-2.5	300/500

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 ²)
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