

# PVC insulated cables, wires and cords below 450/750V

## Introduction

Copper conductor or soft copper conductor or aluminum conductor; PVC insulation; PVC sheath. Suitable for connection of power devices with AC rated voltage of 450/750V and below. For example: hospitals, schools, airports, tunnels, subways, fire protection systems, etc.

## Model

60227IEC01(BV) 60227IEC02(RV)  
60227IEC05(BV) BLV  
BVR BVVB BLVVB  
60227IEC52(RVV)60227IEC53(RVV)  
RVV-RVS 60227IEC53(YZ)YZ  
RVVP etc. Flame retardant A B C D  
halogen-free low smoke and/or fire  
resistant (WD NH) requirements etc.

## Application Areas

- For indoor lighting and power wiring
- Ideal for household appliance wiring
- For low-voltage factory connections
- Common wiring for projects
- Flexible cables for mobile equipment



## Parameters

Rated Voltage	450/750V	Conductor material	Oxygen-free copper conductor (single or stranded) 0.6 mm ~ 1.0 mm (the specific thickness is determined by the cross-section size and purpose)
Insulation Materials	Polyvinyl chloride (PVC)	Insulation thickness	0.8 mm ~ 2.0 mm (to meet different application requirements)
Sheath material	Polyvinyl chloride (PVC)	Sheath thickness	Solid conductor or stranded conductor (select according to flexibility requirements)
Core number range	Single core, dual core, triple core or multi-core (common core count is 2~10 cores, customization is supported)	Wire core structure	0.5 mm <sup>2</sup> ~ 240 mm <sup>2</sup> (suitable for different current requirements)
Operating temperature	-15°C ~ +70°C	Cable cross section range	
Combustion performance	Flame retardant performance complies with GB/T 18380 standard		
Minimum bending radius	When the cable is installed in a fixed manner, it should be 4 times the outer diameter of the cable; when the cable is installed in a mobile manner, it should be 6 times the outer diameter of the cable.		

## Features

001

Good electrical properties

- Oxygen-free copper, efficient transmission.
- PVC insulation, stable, versatile.

002

Strong diversity

- Diverse conductors, versatile transmission.
- Flexible design, easy connection.

003

High durability

- Weather-resistant, long-lasting materials.
- Waterproof, moisture-proof, outdoor-ready.

004

Flame retardant safety

- Flame-retardant, enhanced safety.

005

Excellent flexibility (soft wire)

- Flexible, bendable, mobile-friendly design.

006

Storage and handling

The cable should be packed in a wooden or steel reel to prevent moisture and shock. Avoid moisture, pressure or damage during transportation and ensure it is firmly fixed. Store in a dry and ventilated environment with a temperature of 5°C to 30°C and a humidity of less than 85%.

