

**Single Wire Brief introduction**

**1) Applications:**

PVC insulation single wire is used for general purpose ,as building wire for power ,lighting and control wiring with voltage 300/500v,450/750v.PVC insulated wire belong to the series of laying electrical wire,which is mainly suitable for laying at the fixed places.It is widely used as lighting,connectors of drive, electric equipments,instrument and telecommunication equipments.The rated voltage is 450/750V(U<sub>0</sub>/U) or below.Part of the plastic wires are used at the equipment with AC rated voltage up to 300/300V.

**2) Standard:**

GB 5023.11997 , JB 8734.15-1998, Q/ZEL 02-2002, GB 5023.17-1997, IEC227

**3) Specifications:**

450/750V PVC insulation single electric wire.  
 Electric wire is usually PVC insulated wire.This series include the below types:  
 Copper (aluminum) conductor PVC insulated wires  
 Aluminum conductor PVC insulated wires  
 Copper conductor PVC insulated flexible wires  
 Copper (aluminum) conductor PVC insulated PVC sheathed round wires  
 Copper (aluminum) conductor PVC insulated PVC sheathed flat wires  
 Copper conductor PVC insulated flat flexible connectors  
 Copper conductor PVC insulated PVC sheathed round flexible connectors  
 Sizes: 0.5-185mm<sup>2</sup>

We can also produce as per the other special requirements of the clients.

Description	Laying place and requirement	Long term working temperature
Copper conductor PVC insulated wires	Fixed laid indoors, conduits etc.	70
Aluminum Conductor PVC insulated wires		
Heat resistant copper conductor PVC insulated wires at 90	Mainly be laid at the places of high temperature environment and can be laid indoors, conduits.	90
Copper conductor PVC insulated flexible wire	Be for laying permanent place where flexible required.	70
Copper conductor PVC insulated PVC sheathed round wires	Fixed laid, fit for the places with high mechanical protection and moisture place.Can be laid in the air or underground.	70
Aluminum conductor PVC insulated PVC sheathed round wires		
Copper conductor PVC insulated PVC Sheathed flat wires		90
Aluminum conductor PVC insulated sheathed flat wires		70
Copper conductor PVC insulated flexible connector	Mainly used at middle and light style of moving electronics,	70
Copper conductor PVC insulated flat flexible connector	home appliances, power and lighting and the places where flexible required.	
Copper conductor PVC insulated flexible twisting connector wire		
Copper conductor PVC insulated PVC sheathed round flexible connector(light and common type)		