



6491X Single Core Solid or Stranded Copper PVC Insulated Electric Wiring Cable-450/750V



**SPECIFICATIONS AND STANDARDS:**

- 1. IEC 60227 & BS 6004.
- 2. Rated Voltage: 450/750 V
- 3. Number of cores : One core.
- 4. Notes:
  - 1). Conductor of high conductivity copper wires insulated with PVC compound.
  - 2). Colors of standard: red, black, blue, white, brown, grey, green, yellow,

**APPLICATIONS:**

The building electric wire can be applied to the copper(aluminum)-core cables in the rated A/C voltage of 450/750V and the below power, lighting, daily electric appliances, apparatus and Telecommunication equipments. Particularly suitable for power circuits indoors or outdoors.

**PROPERTY:**

- 1. U0/U is 450/750V and 300/500V;
- 2. The allowed long-term working temperature of wire should not exceed 70° C; The cable (wire) shall be installed at temperature not lower than 0° C;
- 3. The bending radius shall not be less than 4D of the cable overall diameter it is less 25mm; The bending radius shall not be less than 6D of cable overall diameter when it's more than 25mm.

**CONSTRUCTION:**

<b>Conductor</b>	Solid Plain Copper Conductor
	Stranded Copper Conductor
<b>Insulation</b>	PVC (Insulation color: Black, Brown, Yellow, Blue, Red, Green/Yellow, Grey, Orange, White is also available.)

**Technical Parameter of PVC Insulated Electric Wiring Cable:**

Size of conductor		Nominal thickness of insulation mm	Mean overall diameter Upper limit mm	Approx. net weight per km/ kg
Nominal cross-sectional area mm <sup>2</sup>	Number and diameter of wires no./mm			
1.0	1/1.13	0.6	2.8	14
1.5	1/1.38	0.7	3.3	20
1.5	7/0.50	0.7	3.4	20
2.5	1/1.78	0.8	3.9	33
2.5	7/0.67	0.8	4.2	34



## 450/750V Single Core Copper PVC Insulated Electric Wiring Cable

### 6491X Single Core Solid or Stranded Copper PVC Insulated Electric Wiring Cable-450/750V

4	1/2.25	0.8	4.4	51
4	7/0.85	0.8	4.8	51
6	1/2.76	0.8	4.9	67
6	7/1.04	0.8	5.4	71
10	1/3.57	1.0	6.4	110
10	7/1.35	1.0	6.8	120
16	1/4.50	1.0	7.3	170
16	7/1.70	1.0	8.0	180
25	7/2.14	1.2	9.8	285
35	19/1.53	1.2	11.0	380
50	19/1.78	1.4	13.0	510
70	19/2.14	1.4	15.0	715
95	19/2.52	1.6	17.0	990
120	37/2.03	1.6	19.0	1230
150	37/2.25	1.8	21.0	1510
185	37/2.52	2.0	23.5	1900
240	61/2.25	2.2	26.5	2490
300	61/2.52	2.4	29.5	3050
400	61/2.85	2.6	33.5	3900
500	61/3.20	2.8	37.0	4880



## 450/750V Single Core PVC Insulated Flexible Conductor Cables to BS 6004

Size of conductor		Nominal thickness of Insulation mm	Mean overall diameter Upper limit mm	Approx.net weight per km/kg
Nominal cross-sectional area mm <sup>2</sup>	Number and diameter of wires no./mm			
1.0	32/0.20	0.6	3.0	16
1.5	30/0.25	0.7	3.5	21
2.5	50/0.25	0.8	4.2	33
4	56/0.30	0.8	4.8	50
6	84/0.30	0.8	6.3	70
10	80/0.40	1.0	7.6	120
16	126/0.40	1.0	8.8	175
25	196/0.40	1.2	11.0	290



450/750V Single Core Copper PVC Insulated Electric Wiring Cable

**6491X Single Core Solid or Stranded Copper PVC Insulated Electric Wiring Cable-450/750V**

35	276/0.40	1.2	12.5	400
50	396/0.40	1.4	14.5	565
70	360/0.50	1.4	17.0	770
95	475/0.50	1.6	19.0	1010
120	608/0.50	1.6	21.0	1260
150	756/0.50	1.8	23.5	1580
185	925/0.50	2.0	26.0	1900
240	1221/0.50	2.2	29.5	2500