

Electric Wire & Cable

## Insulated Electric Wire

---

○ 60227 IEC 02

450/750V PVC Insulated Flexible Wire

○ 60227 IEC 08

450/750V Heat Resistant PVC Insulated Flexible Wire

# Insulated Electric Wire - 60227 IEC 02

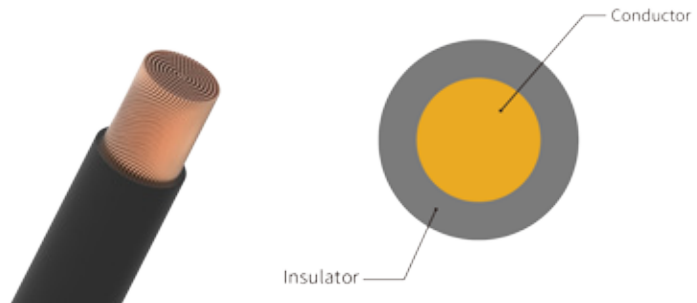
## 450/750V PVC Insulated Flexible Wire

### Use

It is used mainly for the fixed wiring of electric equipment up to and including AC 450/750V

### Structure

1. Conductor : The stranded conductor is 5level, 1.5~250mm<sup>2</sup>
2. Insulator : PVC/C
3. Insulator Color : Black(In particular, it shall be black, white, red, blue, green and yellow when it is necessary to distinguish colors)
4. Warning Temperature : 70°C



Conductor			Thickness of Insulator	Overall Diameter (Approx.)		Max. Conductor Resistance at 20°C		Insulation Resistance 70°C or 90°C
Nominal Cross Sectional Area	Maximum Diameter of Wire	Diameter (Approx.)		Min. Low	Max. Low	Copper	Tin-Coated Copper	
mm <sup>2</sup>	mm	mm		mm	mm	Ω/km	Ω/km	
1.5	0.26	1.6	0.7	2.8	3.4	13.3	13.7	0.010
2.5	0.26	2.1	0.8	3.4	4.1	7.98	8.21	0.009
4	0.31	2.6	0.8	3.9	4.8	4.95	5.09	0.007
6	0.31	3.6	0.8	4.4	5.3	3.30	3.39	0.006
10	0.41	4.8	1.0	5.7	6.8	1.91	1.95	0.0056
16	0.41	6.0	1.0	6.7	8.1	1.21	1.24	0.0046
25	0.41	7.4	1.2	8.4	10.2	0.780	0.795	0.0044
35	0.41	8.7	1.2	9.7	11.7	0.554	0.565	0.0038
50	0.41	10.4	1.4	11.5	13.9	0.386	0.393	0.0037
70	0.51	12.5	1.4	13.2	16.0	0.272	0.277	0.0032
95	0.51	14.5	1.6	15.1	18.2	0.206	0.210	0.0032
120	0.51	16.2	1.6	16.7	20.2	0.161	0.164	0.0029
150	0.51	18.2	1.8	18.6	22.5	0.129	0.132	0.0029
185	0.51	20.2	2.0	20.6	24.9	0.106	0.108	0.0029
240	0.51	23.3	2.2	23.5	28.4	0.0801	0.0817	0.0028

## Insulated Electric Wire - 60227 IEC 08

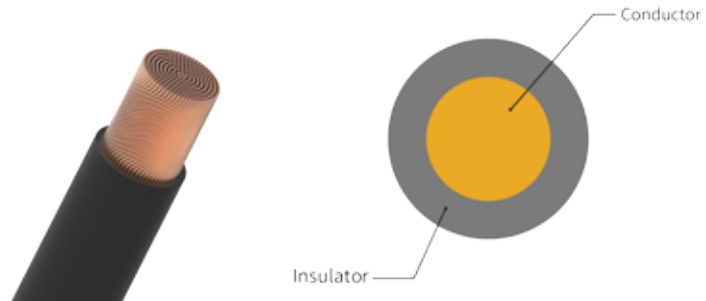
### 450/750V Heat Resistant PVC Insulated Flexible Wire

#### Use

It is mainly the insulated wires having the fusibility used in the fixed wiring of electric equipment up to and including AC 300/500V

#### Structure

1. Conductor : The stranded conductor is 5level, 0.5~2.5mm<sup>2</sup>
2. Insulator : PVC/E
3. Insulator Color : Black(In particular, it shall be black, white, red, blue, green and yellow when it is necessary to distinguish colors)
4. Warning Temperature : 90°C



Conductor			Thickness of Insulator	Overall Diameter (Approx.)		Max. Conductor Resistance at 20°C		Insulation Resistance 70°C or 90°C
Nominal Cross Sectional Area	Maximum Diameter of Wire	Diameter (Approx.)		Min. Low	Max. Low	Copper	Tin-Coated Copper	
mm <sup>2</sup>	mm	mm	mm	mm	mm	Ω/km	Ω/km	MΩ/km
0.5	0.21	0.9	0.6	2.1	2.5	39.0	40.1	0.013
0.75	0.21	1.1	0.6	2.2	2.7	26.0	26.7	0.012
1.0	0.21	1.3	0.6	2.4	2.8	19.5	20.0	0.010
1.5	0.26	1.6	0.7	2.8	3.4	13.3	13.7	0.009
2.5	0.26	2.1	0.8	3.4	4.1	7.98	8.21	0.009