

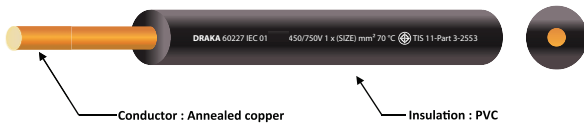
## 60227 IEC 01 THW

450/750V 70°C PVC INSULATED, SINGLE CORE



## 60227 IEC 02

450/750V 70°C PVC INSULATED FLEXIBLE CONDUCTOR, SINGLE CORE



**Application** : Building wiring for installation on insulator or in raceway, dry and wet location  
**Classification** : Maximum conductor temperature 70°C  
Circuit voltage does not exceed 750 volts.  
**Standard** : TIS 11-2553 : Part 3, Table 1

**Construction** : Conductor : Solid or Stranded annealed copper, size 1.5 - 400 mm<sup>2</sup>  
Insulation : Polyvinylchloride (PVC)

**Application** : For making cross connection between terminal inside appliances, instruments or apparatus  
**Classification** : Maximum conductor temperature 70°C  
Circuit voltage does not exceed 750 volts.  
**Standard** : TIS 11-2553 : Part 3, Table 3

**Construction** : Conductor : Flexible annealed copper, size 1.5 - 240 mm<sup>2</sup>  
Insulation : Polyvinylchloride (PVC)

Nominal cross sectional area (mm <sup>2</sup> )	Number and diameter of wire (No./mm)	Insulation thickness (mm)	Overall diameter (mm)		Minimum insulation resistance at 70°C (MΩ.km)	Cable weight (approx.) (kg/km)	Standard length (m)
			Min	Max			
1.5	1/1.38	0.7	2.6	3.2	0.0110	21	100/C
1.5	7/0.53	0.7	2.7	3.3	0.0100	22	100/C
2.5	1/1.78	0.8	3.2	3.9	0.0100	33	100/C
2.5	7/0.67	0.8	3.3	4.0	0.0090	35	100/C
4	1/2.25	0.8	3.6	4.4	0.0085	48	100/C
4	7/0.85	0.8	3.8	4.6	0.0077	51	100/C
6	1/2.74	0.8	4.1	5.0	0.0070	67	100/C
6	7/1.04	0.8	4.3	5.2	0.0065	72	100/C
10	1/3.56	1.0	5.3	6.4	0.0070	112	1000/D
10	7/1.35	1.0	5.6	6.7	0.0065	120	1000/D
16	7/1.70	1.0	6.4	7.8	0.0050	181	1000/D
25	7/2.14	1.2	8.1	9.7	0.0050	284	1000/D
35	19/1.53	1.2	9.0	10.9	0.0043	381	1000/D
50	19/1.78	1.4	10.6	12.8	0.0043	516	1000/D
70	19/2.14	1.4	12.1	14.6	0.0035	726	1000/D
95	19/2.52	1.6	14.1	17.1	0.0035	1002	1000/D
120	37/2.03	1.6	15.6	18.8	0.0032	1253	1000/D
150	37/2.25	1.8	17.3	20.9	0.0032	1541	1000/D
185	37/2.52	2.0	19.3	23.3	0.0032	1931	1000/D
240	61/2.25	2.2	22.0	26.6	0.0032	2517	1000/D
300	61/2.52	2.4	24.5	29.6	0.0030	3148	500/D
400	61/2.85	2.6	27.5	33.2	0.0028	4008	500/D

C : Packing in coil.  
D : Packing in drum.  
Colour : Black, White, Red, Blue, Green, Yellow, Green/Yellow, or upon customer request

Nominal cross sectional area (mm <sup>2</sup> )	Number and diameter of wire (No./mm)	Insulation thickness (mm)	Overall diameter (mm)		Minimum insulation resistance at 70°C (MΩ.km)	Cable weight (approx.) (kg/km)	Standard length (m)
			Min	Max			
1.5	30/0.25	0.7	2.8	3.4	0.0100	22	100/C
2.5	50/0.25	0.8	3.4	4.1	0.0090	34	100/C
4	56/0.30	0.8	3.9	4.8	0.0070	50	100/C
6	84/0.30	0.8	4.4	5.3	0.0060	71	100/C
10	80/0.40	1.0	5.7	6.8	0.0056	118	1000/D
16	126/0.40	1.0	6.7	8.1	0.0046	176	1000/D
25	196/0.40	1.2	8.4	10.2	0.0044	276	1000/D
35	276/0.40	1.2	9.7	11.7	0.0038	376	1000/D
50	396/0.40	1.4	11.5	13.9	0.0037	538	1000/D
70	360/0.50	1.4	13.2	16.0	0.0032	742	1000/D
95	475/0.50	1.6	15.1	18.2	0.0032	977	1000/D
120	608/0.50	1.6	16.7	20.2	0.0029	1230	1000/D
150	756/0.50	1.8	18.6	22.5	0.0029	1533	1000/D
185	925/0.50	2.0	20.6	24.9	0.0029	1874	1000/D
240	1221/0.50	2.2	23.5	28.4	0.0028	2459	1000/D

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