

# 60227 IEC 02 THW ( f )

 TIS 11 Part 3-2553

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



CABLE STRUCTURE		TECHNICAL DATA	
<b>Conductor</b>	: Flexible annealed copper wire Size 1.5 mm <sup>2</sup> up to 240 mm <sup>2</sup>	<b>Classification</b>	: Maximum conductor temperature 70°C : Circuit voltage not exceeding 450/750 Volts 450 Volts between Line-to-Earth 750 Volts between Line-to-Line
<b>Insulation</b>	: Polyvinyl chloride (PVC/C)	<b>Testing voltage</b>	: 2,500 Volts
<b>Core identification</b>	Single-core : Any color	<b>Reference standard</b>	: TIS 11 Part 3-2553, Table 3
<b>APPLICATION</b>			
For indoor fixed installations in dry locations, for electrical panels connection or for electrical apparatus			

Nominal cross sectional area (mm <sup>2</sup> )	Class of conductor	Insulation thickness nominal (mm)	Overall diameter		Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 70°C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
			Minimum (mm)	Maximum (mm)					
1.5	5	0.7	2.8	3.4	13.3	0.010	21	24	100/C
2.5	5	0.8	3.4	4.1	7.98	0.009	28	37	100/C
4	5	0.8	3.9	4.8	4.95	0.007	38	54	100/C
6	5	0.8	4.4	5.3	3.30	0.0060	48	75	100/C
10	5	1.0	5.7	6.8	1.91	0.0056	69	130	100/C
16	5	1.0	6.7	8.1	1.21	0.0046	92	185	100/C
25	5	1.2	8.4	10.2	0.780	0.0044	123	285	100/C
35	5	1.2	9.7	11.7	0.554	0.0038	154	400	100/C
50	5	1.4	11.5	13.9	0.386	0.0037	196	555	500/D
70	5	1.4	13.2	16.0	0.272	0.0032	247	765	500/D
95	5	1.6	15.1	18.2	0.206	0.0032	296	1,000	500/D
120	5	1.6	16.7	20.2	0.161	0.0029	350	1,300	500/D
150	5	1.8	18.6	22.5	0.129	0.0029	405	1,600	500/D
185	5	2.0	20.6	24.9	0.106	0.0029	461	1,900	500/D
240	5	2.2	23.5	28.4	0.0801	0.0028	554	2,500	500/D

Class of conductor 5 : Flexible

C : Packing in coil  
D : Packing in drum