

PVC insulated / Sheathed IEC01, IEC02, IEC05, IEC06 THW

Application

Power supply cord for indoor small electrical instruments

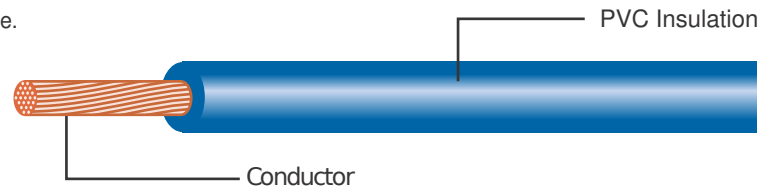
Product Description

Standard TIS 11 PART 3-2553 (THAILAND)
Conductor Stranded bare copper
Temp. / Rate 70 °C
Voltage Rate 450,300,500,750V
Insulation/Jacket Heat resistant PVC which is RoHS Complied wire.



TIS 11-2553

Construction



60227 IEC 01 THW

450/750 V 70°C SOLID AND STRANDED CONDUCTOR PVC INSULATED, SINGLE CORE
 Reference standard : TIS 11 Part 3-2553, Table 1

Nominal cross sectional area (mm ²)	Class of conductor	Insulation thickness nominal (mm)	Overall diameter		Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 70°C minimum (M Ω-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m/coil)
			Minimum (mm)	Maximum (mm)					
1.5	1	0.7	2.6	3.2	12.1	0.011	21	21	100
1.5	2	0.7	2.7	3.3	12.1	0.010	21	22	100
2.5	1	0.8	3.2	3.9	7.41	0.010	29	32	100
2.5	2	0.8	3.3	4.0	7.41	0.009	29	35	100
4	1	0.8	3.6	4.4	4.61	0.0085	39	47	100
4	2	0.8	3.8	4.6	4.61	0.0077	39	50	100
6	1	0.8	4.1	5.0	3.08	0.0070	49	65	100
6	2	0.8	4.3	5.2	3.08	0.0065	49	70	100
10	1	1.0	5.3	6.4	1.83	0.0070	69	110	100
10	2	1.0	5.6	6.7	1.83	0.0065	69	120	100
16	2	1.0	6.4	7.8	1.15	0.0500	92	180	100

60227 IEC 02 THW (F)

450/750 V 70°C SOLID AND STRANDED CONDUCTOR PVC INSULATED, SINGLE CORE
 Reference standard : TIS 11 Part 3-2553, Table 3

Nominal cross sectional area (mm ²)	Class of conductor	Insulation thickness nominal (mm)	Overall diameter		Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 70°C minimum (M Ω-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m/coil)
			Minimum (mm)	Maximum (mm)					
1.5	5	0.7	2.8	3.4	13.3	0.10	21	24	100
2.5	5	0.8	3.4	4.1	7.98	0.009	28	37	100
4	5	0.8	3.9	4.8	4.95	0.007	38	54	100
6	5	0.8	4.4	5.3	3.30	0.0060	48	75	100
10	5	1.0	5.7	6.8	1.91	0.0056	69	130	100
16	5	1.0	6.7	8.1	1.21	0.0046	92	185	100

60227 IEC 05 IV

450/500 V 70°C SOLID AND STRANDED CONDUCTOR PVC INSULATED, SINGLE CORE
 Reference standard : TIS 11 Part 3-2553, Table 3

Nominal cross sectional area (mm ²)	Class of conductor	Insulation thickness nominal (mm)	Overall diameter		Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 70°C minimum (M Ω-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m/coil)
			Minimum (mm)	Maximum (mm)					
0.5	1	0.6	1.9	2.3	3.60	0.015	11	8.8	100
0.75	1	0.6	2.1	2.5	24.5	0.012	14	12.0	100
1	1	0.6	2.2	2.7	18.1	0.011	16	14.0	100

60227 IEC 06 (F)

300/500 V 70°C FLEXIBLE CONDUCTOR PVC INSULATED, SINGLE CORE
 Reference standard : TIS 11 Part 3-2553, Table 3

Nominal cross sectional area (mm ²)	Class of conductor	Insulation thickness nominal (mm)	Overall diameter		Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 70°C minimum (M Ω-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m/coil)
			Minimum (mm)	Maximum (mm)					
0.5	5	0.6	2.1	2.5	39.0	0.013	11	9	100
0.75	5	0.6	2.2	2.7	26.0	0.011	14	12	100
1	5	0.6	2.4	2.8	19.5	0.010	16	15	100