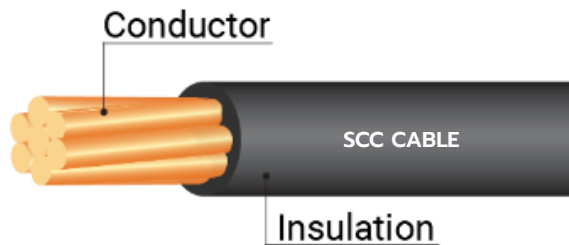


THW 60227 IEC 01

450/750 V 70 °C SOLID AND STRANDED CONDUCTOR PVC INSULATED SINGLE CORE

REF. TIS 11
PART 3-2553

TABLE 1



CABLE STRUCTURE

Conductor	: Solid and stranded annealed copper : Sizes 1.5 mm ² up to 400 mm ²
Insulation	: Polyvinyl chloride (PVC/C)
Core identification	: Single - Cores : Any Color

TECHNICAL DATA

Classification	: Maximum conductor temperature 70 °C : Circuit voltage not exceeding 450/750 Volts
Rated voltage	: 450 Volts between Line to Earth : 750 Volts between Line to Line
Testing voltage	: 2,500 Volts
Reference standard	: Tis 11 Part 3-2553 Table 1

APPLICATION : Building wiring for Installation on insulator or in raceway dry location.

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 (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
			Minimum (mm)	Maximum (mm)					
15	1	0.7	2.6	3.2	12.1	0.011	21	21	100/C
15	2	0.7	2.7	3.3	12.1	0.010	21	22	100/C
25	1	0.8	3.2	3.9	7.41	0.010	29	32	100/C
25	2	0.8	3.3	4.0	7.41	0.009	29	35	100/C
4	1	0.8	3.6	4.4	4.61	0.0085	39	47	100/C
4	2	0.8	3.8	4.6	4.61	0.0077	39	50	100/C
6	1	0.8	4.1	5.0	3.08	0.0070	49	65	100/C
6	2	0.8	4.3	5.2	3.08	0.0065	49	70	100/C
10	1	1.0	5.3	6.4	1.83	0.0070	69	110	100/C
10	2	1.0	5.6	6.7	1.83	0.0065	69	120	100/C

