

THW 60227 IEC 06 IV (F)

300/500 V 70 °C FLEXIBLE
CONDUCTOR PVC INSULATED,
SINGLE CORE

REF. TIS 11
PART 3-2553

TABLE 7



CABLE STRUCTURE

Conductor : Flexible annealed copper wire
: Sizes 0.5 mm² up to 1 mm²

Insulation : Polyvinyl chloride (PVC/C)

Core identification : Single - Cores : Any Color

TECHNICAL DATA

Classification : Maximum conductor temperature
70 °C
: Circuit voltage not exceeding
300/500 Volts

Rated voltage : 300 Volts between Line to Earth
: 500 Volts between Line to Line

Testing voltage : 2,000 Volts

Reference standard : Tis 11 Part 3-2553 Table 7

APPLICATION : For indoor fixed installations in dry
locations, for electrical panels
connection or for electrical apparatus

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)					
0.5	5	0.6	2.1	2.5	39.0	0.013	11	9	100/C
0.75	5	0.6	2.2	2.7	26.0	0.010	14	12	100/C
1	5	0.6	2.4	2.8	19.5	0.010	16	15	100/C

Class Of Conductor

5 : Flexible
C : Packing in coil (ussq'ussu)

THW 60227 IEC 02 (F)

300/500 V 70 °C FLEXIBLE
CONDUCTOR PVC INSULATED,
SINGLE CORE

REF. TIS 11
PART 3-2553

TABLE 3



CABLE STRUCTURE

Conductor : Flexible annealed copper wire
: Sizes 1.5 mm² up to 240 mm²

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 3

APPLICATION : For indoor fixed installations in dry
locations, for electrical panels
connection or for electrical apparatus

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)					
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



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)					
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 (ပတ်လည်ပတ်), D : Packing in drum (ပတ်လည်လှံ)