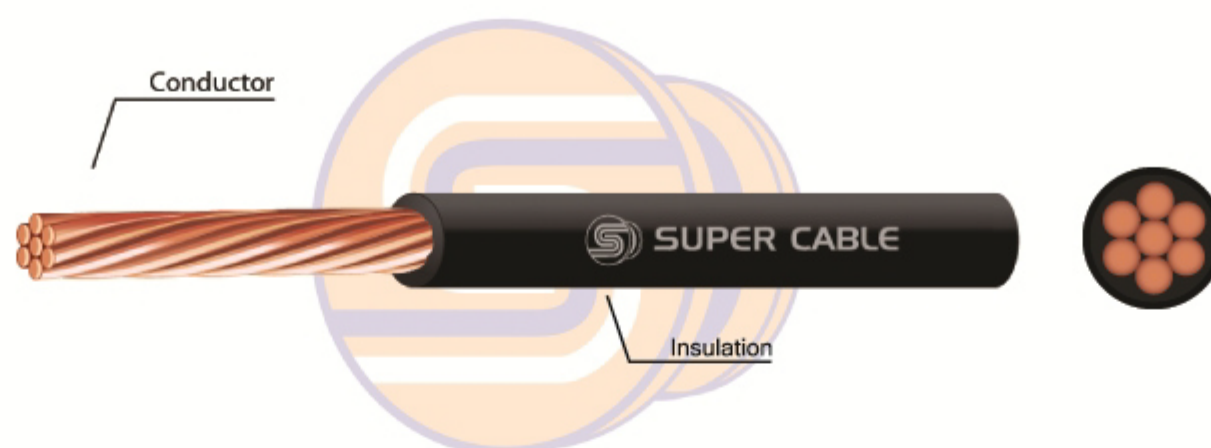


60227 IEC 01 (THW)

450/750 V. 70°C SOLID OR STRANDED CONDUCTOR
PVC INSULATED, SINGLE CORE



APPLICATION

- Use for general purpose
- For installation in raceway and shall be protected water into raceway
- Do not install in duct in ground or direct burial in ground

TESTING VOLTAGE : 2,500 Volts

REFERENCE STANDARD :

TIS 11-2553 PART 3, TABLE 1

CABLE STRUCTURE

CONDUCTOR : Annealed Solid or Stranded Copper

CLASS 1 & 2 Size 1.5 - 400 mm²

INSULATION : Polyvinyl chloride type PVC/C

CORE IDENTIFICATION : Single core, color as request

CLASSIFICATION

Maximum Conductor Temperature : 70°C

Circuit Voltage does not exceed

450/750 Volts (U₀/U)

450 Volts between Line to Earth (U₀)

750 Volts between Line to Line (U)

Technical Data



TIS 11-2553 PART 3, TABLE 1

Nominal cross sectional area	Conductor type	Number of wires	Diameter (approx.)	Nominal insulation thickness	Overall diameter (approx.)		Maximum conductor resistance at 20°C	Minimum insulation resistance at 70°C	Current rating in free air	Cable weight (approx.)	Standard packing
					minimum	maximum					
mm ²	Class	No.	mm	mm	mm	mm	Ω/km	MΩ-km	A	kg/km	m
1.5	1	1	1.37	0.7	2.6	3.2	12.1	0.011	21	21	100/C
1.5	2	7	1.56	0.7	2.7	3.3	12.1	0.010	21	22	100/C
2.5	1	1	1.74	0.8	3.2	3.9	7.41	0.010	29	32	100/C
2.5	2	7	2.01	0.8	3.3	4.0	7.41	0.009	29	35	100/C
4	1	1	2.21	0.8	3.6	4.4	4.61	0.0085	37	47	100/C
4	2	7	2.52	0.8	3.8	4.6	4.61	0.0077	37	50	100/C
6	1	1	2.70	0.8	4.1	5.0	3.08	0.0070	48	65	100/C
6	2	7	3.08	0.8	4.3	5.2	3.08	0.0065	48	70	100/C
10	1	1	3.52	1.0	5.3	6.4	1.83	0.0070	67	110	100/C
10	2	7	3.99	1.0	5.6	6.7	1.83	0.0065	67	120	100/C
16	2	7	5.04	1.0	6.4	7.8	1.15	0.0050	92	180	100/C
25	2	7	6.33	1.2	8.1	9.7	0.727	0.0050	127	280	100/C
35	2	19	7.47	1.2	9.0	10.9	0.524	0.0043	157	370	100/C
50	2	19	8.80	1.4	10.6	12.8	0.387	0.0043	191	500	1,000/D
70	2	19	10.55	1.4	12.1	14.6	0.268	0.0035	244	700	1,000/D
95	2	19	12.45	1.6	14.1	17.1	0.193	0.0035	297	1,000	1,000/D
120	2	37	14.00	1.6	15.6	18.8	0.153	0.0032	345	1,200	1,000/D
150	2	37	15.54	1.8	17.3	20.9	0.124	0.0032	397	1,500	1,000/D
185	2	37	17.43	2.0	19.3	23.3	0.0991	0.0032	453	1,900	1,000/D
240	2	61	19.98	2.2	22.0	26.6	0.0754	0.0032	535	2,500	1,000/D
300	2	61	22.41	2.4	24.5	29.6	0.0601	0.0030	617	3,100	1,000/D
400	2	61	25.29	2.6	27.5	33.2	0.0470	0.0028	741	3,900	1,000/D

Conductor Class 1 : Solid
2 : Stranded

C : Packing in coil

D : Packing in drum

Core Color : Blue, Brown, Black, Grey, White, Red,
Green, Yellow, Green/Yellow or upon
customer request

การใช้งาน

- ใช้งานทั่วไป
- เดินในช่องเดินสายและต้องป้องกันน้ำเข้าของเดินสาย
- ห้ามร้อยท่อฝังดินหรือฝังดินโดยตรง

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