

60227 IEC 02 (VSF)

450/750 V, 70°C FLEXIBLE 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 3

CABLE STRUCTURE

CONDUCTOR : Flexible Annealed Copper

CLASS 5 Size 1.5 - 240 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 3

Nominal cross sectional area	Conductor type	Maximum Diameter 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	mm	mm	mm	mm	mm	Ω/km	MΩ-km	A	kg/km	m
1.5	5	0.26	1.58	0.7	2.8	3.4	13.30	0.010	16	24	100/C
2.5	5	0.26	2.04	0.8	3.4	4.1	7.98	0.009	25	37	100/C
4	5	0.31	2.59	0.8	3.9	4.8	4.95	0.007	30	54	100/C
6	5	0.31	3.59	0.8	4.4	5.3	3.30	0.006	39	75	100/C
10	5	0.41	4.67	1.0	5.7	6.8	1.91	0.0056	51	130	100/C
16	5	0.41	5.86	1.0	6.7	8.1	1.21	0.0046	73	185	100/C
25	5	0.41	7.31	1.2	8.4	10.2	0.780	0.0044	97	285	100/C
35	5	0.41	8.67	1.2	9.7	11.7	0.554	0.0038	140	400	100/C
50	5	0.41	10.51	1.4	11.5	13.9	0.386	0.0037	175	555	500/D
70	5	0.51	12.52	1.4	13.2	16.0	0.272	0.0032	216	765	500/D
95	5	0.51	14.38	1.6	15.1	18.2	0.206	0.0032	258	1,000	500/D
120	5	0.51	16.32	1.6	16.7	20.2	0.161	0.0029	302	1,300	500/D
150	5	0.51	18.20	1.8	18.6	22.5	0.129	0.0029	347	1,600	500/D
185	5	0.51	20.13	2.0	20.6	24.9	0.106	0.0029	394	1,900	500/D
240	5	0.51	23.16	2.2	23.5	28.4	0.0801	0.0028	471	2,500	500/D

Conductor Class 5 : Flexible

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
- เดินในช่องเดินสายและต้องป้องกันน้ำเข้าสู่ของเดินสาย
- ห้ามร้อยท่อฝังดินหรือฝังดินโดยตรง

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