

VCT

450/750 V. 70°C FLEXIBLE CONDUCTOR
PVC INSULATED AND SHEATHED, SINGLE CORE



APPLICATION

- Use for general purpose
- Use for connecting electric appliance
- Laid on cable trays
- install in duct in ground or direct burial in ground

TESTING VOLTAGE : 2,500 Volts

REFERENCE STANDARD :

TIS 11-2553 PART 101, TABLE 7

CABLE STRUCTURE

CONDUCTOR : Flexible Annealed Copper

CLASS 5 Size 4 - 35 mm²

INSULATION : Polyvinyl chloride type PVC/D

SHEATHED : Polyvinyl chloride type PVC/ST5

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 101, TABLE 7

Nominal cross sectional area	Conductor type	Number of wires	Diameter of wires	Diameter (approx.)	Nominal insulation thickness	Nominal sheathed 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
mm ²	Class	No.	mm	mm	mm	mm	mm	Ω/km	MΩ-km	A	kg/km	m
4	5	56	0.31	2.59	0.9	1.4	8.6	4.95	0.0084	30	90	100/C
6	5	84	0.31	3.59	0.9	1.4	9.4	3.30	0.0071	39	120	100/C
10	5	80	0.41	4.67	1.1	1.8	12.0	1.91	0.0068	51	210	1,000/D
16	5	126	0.41	5.86	1.1	1.8	13.5	1.21	0.0050	73	270	1,000/D
25	5	196	0.41	7.31	1.3	2.2	16.0	0.780	0.0048	97	410	1,000/D
35	5	276	0.41	8.67	1.3	2.2	17.5	0.554	0.0041	140	550	1,000/D

Conductor Class 5 : Flexible

C : Packing in coil

D : Packing in drum

การใช้งาน

- ใช้งานทั่วไป
- ใช้ต่อเข้าเครื่องใช้ไฟฟ้า
- วางบนรางเคเบิล
- รอยต่อฝังดินหรือฝังดินโดยตรง