

VCT

450/750 V. 70°C FLEXIBLE CONDUCTOR
PVC INSULATED AND SHEATHED, 3 CORES



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

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	Maximum Diameter of wires	Diameter (approx.)	Nominal insulation thickness	Nominal sheathed thickness	Maximum Overall diameter	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	mm	mm	mm	mm	mm	Ω/km	MΩ-km	A	kg/km	m
4	5	0.31	2.59	0.9	1.6	15.5	4.95	0.0084	26	280	100/C
6	5	0.31	3.59	0.9	1.8	17.5	3.30	0.0071	34	390	100/C
10	5	0.41	4.67	1.1	2.0	21.5	1.91	0.0068	47	650	500/D
16	5	0.41	5.86	1.1	2.4	25.0	1.21	0.0050	63	900	500/D
25	5	0.41	7.31	1.3	2.6	30.0	0.780	0.0048	83	1,300	500/D
35	5	0.41	8.67	1.3	2.8	33.5	0.554	0.0041	102	1,700	500/D

Conductor Class 5 : Flexible

C : Packing in coil

D : Packing in drum

Core Color : Brown, Black, Grey

การใช้งาน

- ใช้งานทั่วไป
- ใช้ต่อเข้าเครื่องใช้ไฟฟ้า
- วางบนรางเคเบิล
- ร้อยท่อฝังดินหรือฝังดินโดยตรง