

VCT

450/750 V, 70°C FLEXIBLE CONDUCTOR
PVC INSULATED AND SHEATHED, 2 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 PART 101-2559, TABLE 7

CABLE STRUCTURE

CONDUCTOR : Flexible Annealed Copper

CLASS 5 Size 1 - 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 PART 101-2559, TABLE 7

Nominal cross sectional area	Conductor type	Maximum diameter of wires	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	Ω/km	MΩ·km	A	kg/km	m
1	5	0.21	0.8	1.2	9.6	19.5	0.0127	13	95	100/C
1.5	5	0.26	0.8	1.4	11.0	13.3	0.0111	16	120	100/C
2.5	5	0.26	0.8	1.4	12.5	7.98	0.0092	25	160	100/C
4	5	0.31	0.9	1.6	14.5	4.95	0.0084	30	230	100/C
6	5	0.31	0.9	1.6	16.0	3.30	0.0071	39	320	100/C
10	5	0.41	1.1	1.8	20.0	1.91	0.0068	51	500	500/D
16	5	0.41	1.1	2.2	23.0	1.21	0.0050	73	700	500/D
25	5	0.41	1.3	2.4	27.5	0.780	0.0048	97	1,000	500/D
35	5	0.41	1.3	2.6	31.0	0.554	0.0041	140	1,400	500/D

Conductor Class 5 : Flexible

C : Packing in coil

D : Packing in drum

Core Color : Blue, Brown

การใช้งาน

- ใช้งานทั่วไป
- ใช้ต่อเข้าเครื่องใช้ไฟฟ้า
- วางบนรางเคเบิล
- ร้อยท่อฝังดินหรือฝังดินโดยตรง