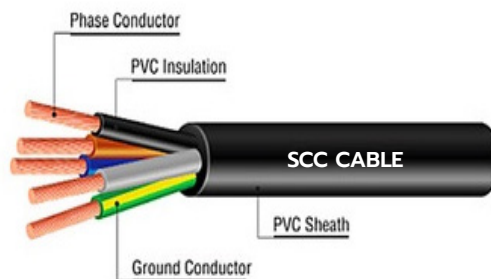


VCT 60227 IEC 53 OR VCT + GROUND

300/500 V 70 °C FLEXIBLE
CONDUCTOR PVC INSULATED
AND SHEATHED, ROUND TYPE

REF. TIS 11
PART 5-2553

TABLE 9



CABLE STRUCTURE

Conductor	: Flexible annealed copper, Sizes 0.75 mm ² up to 2.5 mm ²
Insulation	: Polyvinyl chloride (PVC/D)
Core identification	: 2 Cores : Blue and Brown 3 Cores : Brown, Black and Grey or Blue, Brown and Green/ Yellow 4 Cores : Blue, Brown, Black and Grey or Brown, Black, Grey and Green/Yellow 5 Cores : Blue, Brown, Black, Grey and Black or Blue, Brown, Black, Grey and Green/ Yellow
Sheath	: Black polyvinyl chloride (PVC/ST5)

TECHNICAL DATA

Classification	: Maximum conductor temperature 70 °C : Circuit voltage not exceeding 300/500 Volts
Rated voltage	: 300 Volts between Line to Earth : 500 Volts between Line to Line
Testing voltage	: 2,000 Volts
Reference standard	: Tis 11 Part 5-2553 Table 9
APPLICATION	: For household appliances, electrical equipment and electrical illumination

Number of core	Nominal cross sectional area (mm ²)	Class of Conductor	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter		Conductor resistance at 20 °C maximum (Ω/km)	Insulation resistance at 70 °C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
					Minimum (mm)	Maximum (mm)					
2	0.75	5	0.6	0.8	5.7	7.2	26.0	0.011	12	60	100/C
	1	5	0.6	0.8	5.9	7.5	19.5	0.010	14	70	100/C
	1.5	5	0.7	0.8	6.8	8.6	13.3	0.010	18	93	100/C
	2.5	5	0.8	1.0	8.4	10.6	7.98	0.009	25	140	100/C
3	0.75	5	0.6	0.8	6.0	7.6	26.0	0.011	10	70	100/C
	1	5	0.6	0.8	6.3	8.0	19.5	0.010	12	82	100/C
	1.5	5	0.7	0.9	7.4	9.4	13.3	0.010	16	115	100/C
	2.5	5	0.8	1.1	9.2	11.4	7.98	0.009	21	175	100/C

4, 4 CORES

Number of core	Nominal cross sectional area (mm ²)	Class of Conductor	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter		Conductor resistance at 20 °C maximum (Ω/km)	Insulation resistance at 70 °C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
					Minimum (mm)	Maximum (mm)					
4	0.75	5	0.6	0.8	6.6	8.3	26.0	0.011	10	84	100/C
	1	5	0.6	0.9	7.1	9.0	19.5	0.010	12	105	100/C
	1.5	5	0.7	1.0	8.4	10.5	13.3	0.010	16	145	100/C
	2.5	5	0.8	1.1	10.1	12.5	7.98	0.009	21	215	100/C
5	0.75	5	0.6	0.9	7.4	9.3	26.0	0.011	10	105	100/C
	1	5	0.6	0.9	7.8	9.8	19.5	0.010	12	125	100/C
	1.5	5	0.7	1.1	9.3	11.6	13.3	0.010	16	175	100/C
	2.5	5	0.8	1.2	11.2	13.9	7.98	0.009	21	265	100/C

Class Of Conductor

1 : Solid, 2 : Strand

G : Ground conductor, C : Packing in coil (ussq်းယုဝ), D : Packing in drum (ussq်းယုခံ)