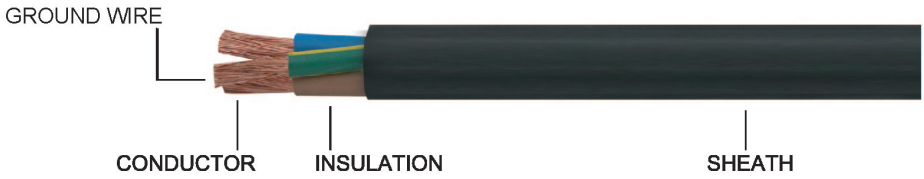
VCT-G

TIS 11 Part 101-2553

450/750 V 70°C FLEXIBLE CONDUCTOR PVC INSULATED AND SHEATHED WITH GROUND, ROUND TYPE



CABLE STRUCTURE

Conductor : Flexible annealed copper
Multi-cores : Sizes 4 mm² up to 35 mm²
Ground wire : Flexible annealed copper
Multi-cores : Sizes 4 mm² up to 16 mm²
Insulation : Polyvinyl chloride (PVC/D)
Core identification
2 Cores : Blue and Brown
3 Cores : Blue,Brown and Grey
4 Cores : Blue,Brown,Black and Grey
Ground core : Green/Yellow
Sheath : Black polyvinyl chloride (PVC/ST5)

TECHNICAL DATA

Classification : Maximum conductor temperature 70°C
: Circuit voltage not exceeding 450/750 Volts
450 Volts between Line-to-Earth
750 Volts between Line-to-Line
Testing voltage : 2,500 Volts
Reference standard : TIS 11 Part 101-2553, Table 8

APPLICATION

For mobile-electrical equipment used in mines, factories, farm or household appliances. This cable is suitable for use in places where cables come in contact with oils.

Number of core	Nominal cross sectional area (mm²)	Class of Conductor	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter maximum (mm)	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)
3+G	4	5	0.9	1.8	17.0	4.95	0.0084	29	360	100/C
	4 (G)	5	0.9			4.95				
	6	5	0.9	2.0	19.5	3.30	0.0071	38	500	100/C
	6 (G)	5	0.9			3.30				
	10	5	1.1	2.2	24.0	1.91	0.0068	53	800	500/D
	10 (G)	5	1.1			1.91				
	16	5	1.1	2.6	28.0	1.21	0.0050	71	1,200	500/D
	16 (G)	5	1.1			1.21				
	25	5	1.3	2.8	33.0	0.780	0.0048	94	1,600	500/D
	16 (G)	5	1.1			1.21				
	35	5	1.3	3.1	37.0	0.554	0.0041	116	2,100	500/D
	16 (G)	5	1.1			1.21				

Class of conductor 5 : Flexible

G : Ground conductor

C : Packing in coil
D : Packing in drum