

VCT


TIS 11 Part 101-2553

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



CABLE STRUCTURE						TECHNICAL DATA				
Conductor : Flexible annealed copper Single-core : Sizes 4 mm ² up to 35 mm ² Multi-cores : Sizes 4 mm ² up to 35 mm ² Insulation : Polyvinyl chloride (PVC/D) Core Identification Single-core : Black 2 Cores : Blue and Brown 3 Cores : Brown, Black and Grey 4 Cores : Blue, Brown, Black and Grey Sheath : Black polyvinyl chloride (PVC/ST5)						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 7				
						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 (mm ²)	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)
1	4	5	0.9	1.4	8.6	4.95	0.0084	41	90	100/C
	6	5	0.9	1.4	9.4	3.30	0.0071	53	120	100/C
	10	5	1.1	1.8	12.0	1.91	0.0068	74	210	100/C
	16	5	1.1	1.8	13.5	1.21	0.0050	99	270	100/C
	25	5	1.3	2.2	16.0	0.780	0.0048	129	410	100/C
	35	5	1.3	2.2	17.5	0.554	0.0041	160	550	500/D
2	4	5	0.9	1.6	14.5	4.95	0.0084	34	230	100/C
	6	5	0.9	1.6	16.0	3.30	0.0071	44	320	100/C
	10	5	1.1	1.8	20.0	1.91	0.0068	63	500	500/D
	16	5	1.1	2.2	23.0	1.21	0.0050	82	700	500/D
	25	5	1.3	2.4	27.5	0.780	0.0048	108	1,000	500/D
	35	5	1.3	2.6	31.0	0.554	0.0041	133	1,400	500/D

Class of conductor 5 : Flexible

C : Packing in coil
D : Packing in drum

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Insulation	: Polyvinyl chloride (PVC/D)	Testing voltage	: 2,500 Volts
Core identification	Single-core : Black 2 Cores : Blue and Brown 3 Cores : Brown, Black and Grey 4 Cores : Blue, Brown, Black and Grey	Reference standard	: TIS 11 Part 101-2553, Table 7
Sheath	: Black polyvinyl chloride (PVC/ST5)	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 (mm ²)	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	4	5	0.9	1.6	15.5	4.95	0.0084	29	280	100/C
	6	5	0.9	1.8	17.5	3.30	0.0071	38	390	100/C
	10	5	1.1	2.0	21.5	1.91	0.0068	53	650	500/D
	16	5	1.1	2.4	25.0	1.21	0.0050	71	900	500/D
	25	5	1.3	2.6	30.0	0.780	0.0048	94	1,300	500/D
	35	5	1.3	2.8	33.5	0.554	0.0041	116	1,700	500/D
4	4	5	0.9	1.8	17.0	4.95	0.0084	29	350	100/C
	6	5	0.9	2.0	19.5	3.30	0.0071	38	490	100/C
	10	5	1.1	2.2	24.0	1.91	0.0068	53	800	500/D
	16	5	1.1	2.6	28.0	1.21	0.0050	71	1,100	500/D
	25	5	1.3	2.8	33.0	0.780	0.0048	94	1,700	500/D
	35	5	1.3	3.1	37.0	0.554	0.0041	116	2,200	500/D

Class of conductor 5 : Flexible

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D : Packing in drum