

# 60227 IEC 53 VCT

 TIS 11 Part 5-2553

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



CABLE STRUCTURE		TECHNICAL DATA	
<b>Conductor</b>	: Flexible annealed copper wire Sizes. 0.75 mm <sup>2</sup> up to 2.5 mm <sup>2</sup>	<b>Classification</b>	: Maximum conductor temperature 70°C : Circuit voltage not exceeding 300/500 Volts 300 Volts between Line-to-Earth 500 Volts between Line-to-Line
<b>Insulation</b>	: Polyvinyl chloride (PVC/D)	<b>Testing voltage</b>	: 2,000 Volts
<b>Core identification</b>		<b>Reference standard</b>	: TIS 11 Part 5-2553, Table 9
2 cores:	Blue and Brown	<b>APPLICATION</b> For household appliances, electrical equipment and electrical illumination	
3 cores :	Brown, Black and Grey or Blue, Brown and Green/Yellow		
4 cores:	Brown, Black, Grey and Blue or Brown, Black, Grey and Green/Yellow		
5 cores :	Blue, Brown,Black, Grey and Black or Blue, Brown, Black,Grey and Green/Yellow		
<b>Sheath</b>	: Black polyvinyl chloride (PVC/ST5)		

Number of core	Nominal cross sectional area (mm <sup>2</sup> )	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	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 5 : Flexible

C : Packing in coil