

# VAF

⊕ TIS 11 Part 101-2553

300/500 V 70°C SOLID AND STRANDED CONDUCTOR PVC INSULATED AND SHEATHED, FLAT TYPE



CABLE STRUCTURE	TECHNICAL DATA
<p><b>Conductor</b> : Solid and stranded annealed copper, Size 1 mm<sup>2</sup> up to 16 mm<sup>2</sup></p> <p><b>Insulation</b> : Polyvinyl chloride (PVC/C)</p> <p><b>Core identification</b> 2 Cores : Blue and Brown</p> <p><b>Sheath</b> : White polyvinyl chloride (PVC/ST4)</p>	<p><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</p> <p><b>Testing voltage</b> : 2,000 Volts</p> <p><b>Reference standard</b> : TIS 11 Part 101-2553, Table 1</p>
APPLICATION	
Building wiring for surface or above ceiling wiring or direct embeded in plaster.	

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)
					Lower limit (mm)	Upper limit (mm)					
2	1	1	0.6	0.9	4.0 x 6.2	4.7 x 7.4	18.1	0.0110	13	50	100/C
	1.5	1	0.7	0.9	4.4 x 7.0	5.4 x 8.4	12.1	0.0110	17	70	100/C
	2.5	1	0.8	1.0	5.2 x 8.4	6.2 x 9.8	7.41	0.0100	23	100	100/C
	4	2	0.8	1.1	5.6 x 9.6	7.2 x 11.5	4.61	0.0077	31	150	100/C
	6	2	0.8	1.1	6.4 x 10.5	8.0 x 13.0	3.08	0.0065	40	200	100/C
	10	2	1.0	1.2	7.8 x 13.0	9.6 x 16.0	1.83	0.0065	55	310	100/C
	16	2	1.0	1.3	9.0 x 15.5	11.0 x 18.5	1.15	0.0052	74	450	100/C

Class of conductor      1 : Solid  
   2 : Strand

C : Packing in coil