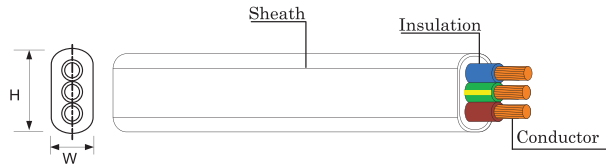
VAF-G

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

TIS 11 Part 101-2553



CABLE STRUCTURE

Conductor : Soild and stranded annealed copper
: Sizes 1 mm² up to 16 mm² for phase wires
: Sizes 1 mm² up to 16 mm² for ground wire

Insulation : Polyvinyl chloride (PVC/C)

Core identification
2 Cores + Ground : Blue, Brown and Green/Yellow

Sheath : White polyvinyl chloride (PVC/ST4)

TECHNICAL DATA

Classification : Maximum concuctor 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 101-2553 Table 1

APPLICATION

Building wiring for surface or above ceiling wiring or direct embeded in plaster.

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Number	Nominal cross sectional area		Conductor type	Insulation thickness nominal	Outer sheath thickness nominal	Overall diameter		Conductor resistance at 20°C maximum		Insulation resistance at 70°C minimum	Continuous current rating in free air at 40°C maximum	Cable weight approx.	Standard Length
						W x H	W x H						
	Phase (mm^2)	Ground (mm^2)		(mm)	(mm)	Minimum (mm)	Maximum (mm)	Phase (Ω/km)	Ground (Ω/km)	(MΩ-km)	(A)	(kg/km)	(m)
2	1	1	Soild	0.6	0.9	4.0 x 6.2	4.7 x 7.4	18.1	18.1	0.0110	14	75	100/C
	1.5	1.5	Soild	0.7	0.9	4.4 x 7.0	5.4 x 8.4	12.1	12.1	0.0110	17	100	100/C
	2.5	2.5	Soild	0.8	1.0	5.2 x 8.4	6.2 x 9.8	7.41	7.41	0.0100	23	150	100/C
	4	4	Stranded	0.8	1.1	5.6 x 9.6	7.2 x 11.5	4.61	4.61	0.0077	32	220	100/C
	6	6	Stranded	0.8	1.1	6.4 x 10.5	8.0 x 13.0	3.08	3.08	0.0065	41	290	100/C
	10	10	Stranded	1.0	1.2	7.8 x 13.0	9.6 x 16.0	1.83	1.83	0.0065	56	460	100/C
	16	16	Stranded	1.0	1.3	9.0 x 15.5	11.0 x 18.5	1.15	1.15	0.0052	74	650	500/D

C = Packing in coil
D = Packing in drum