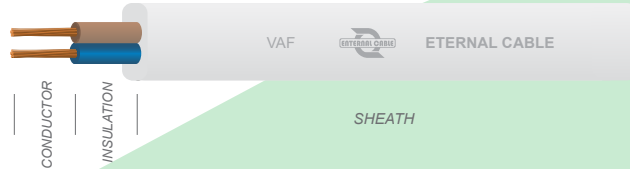




VAF

TIS 11 Part 101-2559

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



CABLE STRUCTURE

Conductor : Solid and stranded annealed copper,
Size 1 mm² up to 16 mm²

Insulation : Polyvinyl chloride (PVC/C)

Core Identification
2 Cores : Blue and Brown

Sheath : White polyvinyl chloride (PVC/ST4)

TECHNICAL DATA

Classification : Maximum conductor temperature 70 °C
: Circuit voltage not exceeding 300/500 Volts
300 Volts between Line-to-Earth
500 Volts between Line-to-Line

Testing voltage : 2,000 Volts

Reference standard : TIS 11 part 101-2559, Table 1

APPLICATION

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

Number of core	Nominal cross sectional area (mm ²)	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



VAF-G

TIS 11 Part 101-2559

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



CABLE STRUCTURE

Conductor : Solid and stranded annealed copper,
Size 1 mm² up to 16 mm²

Ground wire : Solid and stranded annealed copper,
Size 1 mm² up to 16 mm² :

Insulation Polyvinyl chloride (PVC/C)

Core identification

2 Cores : Blue and Brown
Ground-Cores : Green/Yellow

Sheath : White polyvinyl chloride (PVC/ST4)

TECHNICAL DATA

Classification : Maximum conductor temperature 70 °C
: Circuit voltage not exceeding 300/500 Volts
300 Volts between Line-to-Earth
500 Volts between Line-to-Line

Testing voltage : 2,000 Volts

Reference standard : TIS 11 part 101-2559, Table 1

APPLICATION

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

Number of core	Nominal cross sectional area (mm ²)	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+G	1	1	0.6	0.9	4.0 x 8.4	4.7 x 9.8	18.1	0.0110	13	75	100/C
	1 (G)	1	0.6	0.9			18.2				
	1.5	1	0.7	0.9	4.4 x 9.8	5.4 x 11.5	12.1	0.0110	17	100	100/C
	1.5 (G)	1	0.7	0.9			12.1				
	2.5	1	0.8	1.0	5.2 x 11.5	6.2 x 13.5	7.41	0.0100	23	150	100/C
	2.5 (G)	1	0.8	1.0			7.41				
	4	2	0.8	1.1	5.8 x 13.4	7.4 x 16.5	4.61	0.0077	31	220	100/C
	4 (G)	2	0.8	1.1			4.61				
	6	2	0.8	1.1	6.4 x 15.0	8.0 x 18.0	3.08	0.0065	40	290	100/C
	6 (G)	2	0.8	1.1			3.08				
10	2	1.0	1.2	7.8 x 19.0	9.6 x 22.5	1.83	0.0065	55	460	100/C	
10 (G)	2	1.0	1.2			1.83					
16	2	1.0	1.3	9.0 x 22.0	11.0 x 26.5	1.15	0.0052	74	650	500/D	
16 (G)	2	1.0	1.3			1.15					

Class of conductor 1 : Solid
2 : Strand

G : Ground conductor

C : Packing in coil
D : Packing in drum