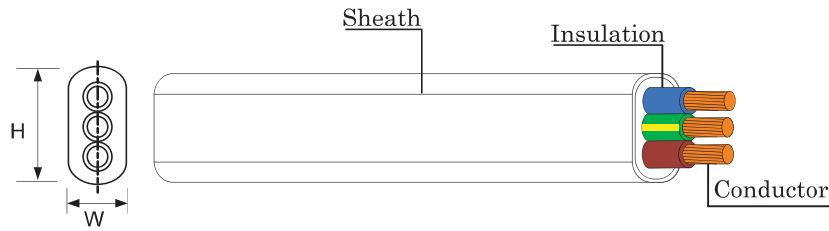


300/500 V 70°C SOLID AND STRANDED CONDUCTOR PVC INSULATED AND SHEATH WITH GROUND, FLAT TYPE

TIS 11 Part 101-2559



**CABLE STRUCTURE**

- Conductor** : Solid and stranded annealed copper
- 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 conductor 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 101-2559 Table 1

**APPLICATION**

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

B

Number of cores	Nominal cross sectional area		Conductor type	Insulation thickness nominal (mm)	Outer sheath thickness nominal (mm)	Overall diameter		Conductor resistance at 20°C maximum		Insulation resistance at 70°C minimum (MΩ-km)	Continuous current rating in free air at 40°C maximum (A)	Cable weight approx. (kg/km)	Standard Length (m)
	Phase (mm <sup>2</sup> )	Ground (mm <sup>2</sup> )				Minimum (mm)	Maximum (mm)	Phase (Ω/km)	Ground (Ω/km)				
2	1	1	Solid	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	Solid	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	Solid	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