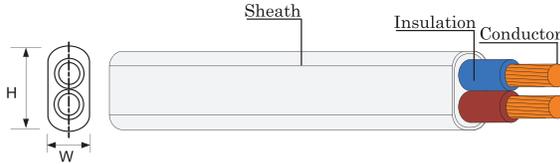


**300/500 V 70°C SOLID AND STRANDED CONDUCTOR PVC INSULATED AND SHEATH, FLAT TYPE**



TIS 11 Part 101-2553

**CABLE STRUCTURE**

- Conductor** : Solid and stranded annealed copper  
: Sizes 1 mm<sup>2</sup> up to 16 mm<sup>2</sup>
- Insulation** : Polyvinyl chloride (PVC/C)
- Core identification**  
2 Cores : Blue and Brown
- Sheath** : Black 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 101-2553 Table 1

**APPLICATION**

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

Number	Nominal cross sectional area (mm <sup>2</sup> )	Conductor type	Insulation thickness nominal (mm)	Outer 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 at 40°C maximum (A)	Cable weight approx. (kg/km)	Standard Length (m)
					W X H Minimum (mm)	W X H Maximum (mm)					
2	1	Solid	0.6	0.9	4.0 x 6.2	4.7 x 7.4	18.1	0.0110	14	50	100/C
	1.5	Solid	0.7	0.9	4.4 x 7.0	5.4 x 8.4	12.1	0.0110	17	70	100/C
	2.5	Solid	0.8	1.0	5.2 x 8.4	6.2 x 9.8	7.41	0.0100	23	100	100/C
	4	Stranded	0.8	1.1	5.6 x 9.6	7.2 x 11.5	4.61	0.0077	32	150	100/C
	6	Stranded	0.8	1.1	6.4 x 10.5	8.0 x 13.0	3.08	0.0065	41	200	100/C
	10	Stranded	1.0	1.2	7.8 x 13.0	9.6 x 16.0	1.83	0.0065	56	310	100/C
	16	Stranded	1.0	1.3	9.0 x 15.5	11.0 x 18.5	1.15	0.0052	74	450	100/C

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