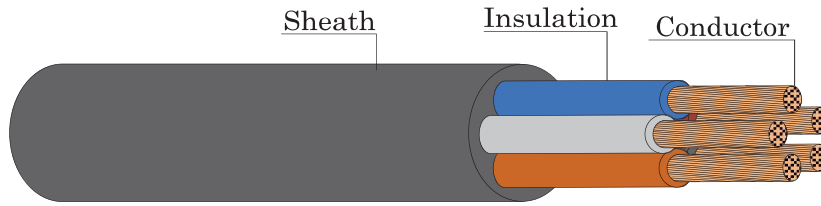


300/500 V 70°C FLEXIBLE CONDUCTOR PVC INSULATED AND SHEATH, ROUND TYPE

TIS 11 Part 5-2553



**CABLE STRUCTURE**

- Conductor** : Flexible annealed copper  
: Sizes 0.75 mm<sup>2</sup> up to 2.5 mm<sup>2</sup>
- Insulation** : Polyvinyl chloride (PVC/D)
- Core identification**
- 2 Cores : Blue and Brown
  - 3 Cores : Brown, Black, Grey  
or Blue, Brown and Green/Yellow
  - 4 Cores : Blue, Brown, Black and Grey  
or Brown, Black, Grey and Green/Yellow
  - 5 Cores : Blue, Brown, Black, Grey and Black  
or Blue, Brown, Black, Grey and Green/Yellow
- Sheath** : Black polyvinyl chloride (PVC/ST5)

**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 5-2553 Table 9

**APPLICATION**

For household appliances, electrical equipment and electrical illumination.

Number of cores	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)
					Minimum (mm)	Maximum (mm)					
2	0.75	Flexible	0.6	0.8	5.7	7.2	26.0	0.011	6	60	100/C
	1	Flexible	0.6	0.8	5.9	7.5	19.5	0.010	10	70	100/C
	1.5	Flexible	0.7	0.8	6.8	8.6	13.3	0.010	16	93	100/C
3	2.5	Flexible	0.8	1.0	8.4	10.6	7.98	0.009	25	140	100/C
	0.75	Flexible	0.6	0.8	6.0	7.6	26.0	0.011	6	70	100/C
	1	Flexible	0.6	0.8	6.3	8.0	19.5	0.010	10	82	100/C
4	1.5	Flexible	0.7	0.8	7.4	9.4	13.3	0.010	16	115	100/C
	2.5	Flexible	0.8	1.0	9.2	11.4	7.98	0.009	20	175	100/C
	0.75	Flexible	0.6	0.8	6.6	8.3	26.0	0.011	6	84	100/C
5	1	Flexible	0.6	0.8	7.1	9.0	19.5	0.010	10	105	100/C
	1.5	Flexible	0.7	0.8	8.4	10.5	13.3	0.010	16	145	100/C
	2.5	Flexible	0.8	1.0	10.1	12.5	7.98	0.009	20	215	100/C
5	0.75	Flexible	0.6	0.8	7.4	9.3	26.0	0.011	6	105	100/C
	1	Flexible	0.6	0.8	7.8	9.8	19.5	0.010	10	125	100/C
	1.5	Flexible	0.7	1.1	9.3	11.6	13.3	0.010	16	175	100/C
	2.5	Flexible	0.8	1.2	11.2	13.9	7.98	0.009	20	265	100/C

C = Packing in coil