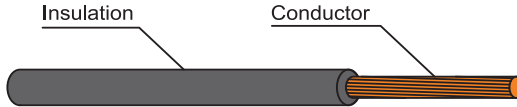


300/500 V 90°C FLEXIBLE CONDUCTOR PVC INSULATED, SINGLE CORE



 TIS 11 Part 3-2553

CABLE STRUCTURE

Conductor : Flexible annealed copper wire
: Sizes 0.5 mm² up to 2.5 mm²

Insulation : Polyvinyl chloride (PVC/E)

Core identification : Single-cores : Any color

TECHNICAL DATA

Classification : Maximum conductor temperature 90 °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 3-2553, Table 11

APPLICATION

Building wiring for installation on insulator or in raceway dry location.

Nominal cross sectional area (mm ²)	Conductor type	Insulation thickness nominal (mm)	Overall diameter		Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 90°C minimum (MΩ·km)	Continuous current rating in free air maximum (40 °C) (A)	Cable weight approx. (kg/km)	Standard Length (m)
			Minimum (mm)	Maximum (mm)					
0.5	Flexible	0.6	2.1	2.5	39.0	0.013	3	9	100/C
0.75	Flexible	0.6	2.2	2.7	26.0	0.012	6	12	100/C
1	Flexible	0.6	2.4	2.8	19.5	0.010	10	15	100/C
1.5	Flexible	0.7	2.8	3.4	13.3	0.009	16	21	100/C
2.5	Flexible	0.8	3.4	4.1	7.98	0.009	25	33	100/C

C : Packing in Coil

Number of core	A.C.Resistance	Inductance	Reactance	Impedance
	R (Ω/km)	L (mH/km)	XL (Ω/km)	Z (Ω/km)
0.5	46.6635	0.5642	0.1773	46.6638
0.75	31.1090	0.5394	0.1695	31.1095
1	23.3318	0.5225	0.1641	23.3323
1.5	15.9135	0.5149	0.1618	15.9143
2.5	9.5481	0.5038	0.1583	9.5494