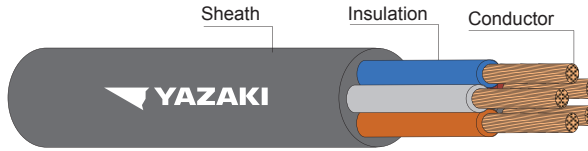
60227 IEC 53

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

TIS 11 Part 5-2553



CABLE STRUCTURE

Conductor : Flexible annealed copper wire

Insulation : Polyvinyl chloride (PVC/D)

Core identification :

2 Cores	Blue, Brown
3 Cores	Brown, Black, Grey
4 Cores	Blue, Brown, Black and Grey
5 Cores	Blue, Brown, Black, Grey, 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

AC Testing voltage : 2,000 volts

Reference standard : TIS 11 Part 5-2553 Table 9

APPLICATION

For household appliances, electrical eauipment and electrcal illumination.

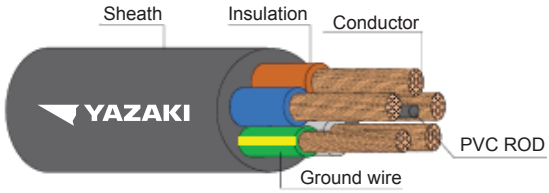
B

Number of cores	Nominal cross sectional area	Conductor Type	Insulation thickness nominal	Outer sheath thickness nominal	Overall diameter		Conductor resistance at 20°C maximum	Insulation resistance at 70°C minimum	Continuous current rating in free air 40°C maximum	Cable weight approx.	Standard Length
					minimum	maximum					
	(mm²)		(mm)	(mm)	(mm)	(mm)	(Ω/km)	(MΩ-km)	(A)	(kg/km)	(m)
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	90	100/C
	2.5	Flexible	0.8	1.0	8.4	10.6	7.98	0.009	25	140	100/C
3	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	80	100/C
	1.5	Flexible	0.7	0.8	7.4	9.4	13.3	0.010	16	110	100/C
	2.5	Flexible	0.8	1.0	9.2	11.4	7.98	0.009	20	180	100/C
4	0.75	Flexible	0.6	0.8	6.6	8.3	26.0	0.011	6	85	100/C
	1	Flexible	0.6	0.8	7.1	9.0	19.5	0.010	10	100	100/C
	1.5	Flexible	0.7	0.8	8.4	10.5	13.3	0.010	16	140	100/C
	2.5	Flexible	0.8	1.0	10.1	12.5	7.98	0.009	20	210	100/C
5	0.75	Flexible	0.6	0.8	7.4	9.3	26.0	0.011	6	100	100/C
	1	Flexible	0.6	0.8	7.8	9.8	19.5	0.010	10	120	100/C
	1.5	Flexible	0.7	1.1	9.3	11.6	13.3	0.010	16	170	100/C
	2.5	Flexible	0.8	1.2	11.2	13.9	7.98	0.009	20	260	100/C

C = Packing in Coil

60227 IEC 53

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



TIS 11 Part 5-2553

CABLE STRUCTURE

Conductor : Flexible annealed copper wire

Insulation : Polyvinyl chloride (PVC/D)

Core identification :

2 Cores + G : Blue, Brown + Green/Yellow
3 Cores + G : Brown, Black, Grey + Green/Yellow
4 Cores + G : Blue, Brown, Black, Grey + Green/Yellow

Outer sheath : Black polyvinyl chloride (PVC/ST5)

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

AC Testing voltage : 2,000 volts

Reference standard : TIS 11 Part 5-2553 Table 9

APPLICATION

For household appliances, electrical eauipment and electrcal illumination.

Number of cores	Conductor				Insulation thickness nominal	Sheath thickness nominal	Overall diameter		Conductor resistance at 20°C maximum		Insulation resistance at 70°C minimum	Continuous current rating in free air at (40°C) maximum	Cable weight approx.	Standard length
	Nominal cross section area		Type of Conductor											
	Phase	Ground	Phase	Ground			Minimum	Maximum	Phase	Ground				
	(mm^2)	(mm^2)			(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(MΩ-km)	(A)	(kg/km)	(m)
2+G	0.75	0.75	Flexible		0.6	0.8	6.0	7.6	26.0	26.0	0.011	6	70	100/C
	1	1	Flexible		0.6	0.8	6.3	8.0	19.5	19.5	0.010	10	80	100/C
	1.5	1.5	Flexible		0.7	0.9	7.4	9.4	13.3	13.3	0.010	16	120	100/C
	2.5	2.5	Flexible		0.8	1.1	9.2	11.4	7.98	7.98	0.009	25	180	100/C
3+G	0.75	0.75	Flexible		0.6	0.8	6.6	8.3	26.0	26.0	0.011	6	85	100/C
	1	1	Flexible		0.6	0.9	7.1	9.0	19.5	19.5	0.010	10	100	100/C
	1.5	1.5	Flexible		0.7	1.0	8.4	10.5	13.3	13.3	0.010	16	140	100/C
	2.5	2.5	Flexible		0.8	1.1	10.1	12.5	7.98	7.98	0.009	20	220	100/C
4+G	0.75	0.75	Flexible		0.6	0.9	7.4	9.3	26.0	26.0	0.011	6	100	100/C
	1	1	Flexible		0.6	0.9	7.8	9.8	19.5	19.5	0.010	10	120	100/C
	1.5	1.5	Flexible		0.7	1.1	9.3	11.6	13.3	13.3	0.010	16	180	100/C
	2.5	2.5	Flexible		0.8	1.2	11.2	13.9	7.98	7.98	0.009	20	260	100/C

C = Packing in Coil

B