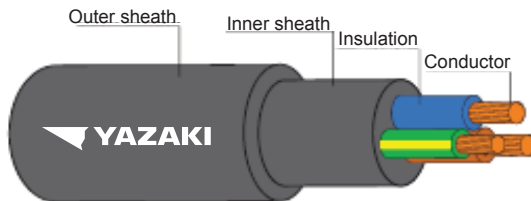


60227 IEC 10

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



TIS 11 Part 4-2553

CABLE STRUCTURE

Conductor	: Solid and stranded annealed copper wire
Insulation	: Polyvinyl chloride (PVC/C)
Insulation color	: Blue, Brown + Green/Yellow
Inner sheath	: Black polyvinyl chloride (PVC)
Outer 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
AC Testing voltage	: 2,500 Volts
Reference standard	: TIS 11 Part 4-2553 Table 1

APPLICATION

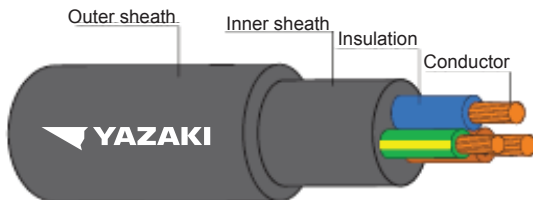
For installation exposed, or in raceway, wet or dry location.

Number of cores	Conductor				Insulation thickness nominal	Inner sheath thickness approx.	Outer 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)	Cable weight approx.	Standard Length
	Nominal cross section area		Type of Conductor					Minimum	Maximum	Phase	Ground				
	Phase (mm²)	Ground (mm²)	Phase	Ground											
2+G	1.5	1.5	Solid		0.7	0.4	1.2	8.0	10.5	12.1	12.1	0.011	19	150	100/C
	1.5	1.5	Stranded		0.7	0.4	1.2	8.2	11.0	12.1	12.1	0.010	19	160	100/C
	2.5	2.5	Solid		0.8	0.4	1.2	9.2	12.0	7.41	7.41	0.010	26	200	100/C
	2.5	2.5	Stranded		0.8	0.4	1.2	9.4	12.5	7.41	7.41	0.009	26	220	100/C
	4	4	Solid		0.8	0.4	1.2	10.0	13.0	4.61	4.61	0.0085	35	260	100/C
	4	4	Stranded		0.8	0.4	1.2	10.5	13.5	4.61	4.61	0.0077	35	280	100/C
	6	6	Stranded		0.8	0.4	1.4	12.0	15.5	3.08	3.08	0.0065	44	380	100/C
	10	10	Stranded		1.0	0.6	1.4	14.5	19.0	1.83	1.83	0.0065	61	590	500/D
	16	16	Stranded		1.0	0.8	1.4	16.5	21.5	1.15	1.15	0.0052	82	830	500/D

C = Packing in coil
D = Packing in drum

60227 IEC 10

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



 TIS 11 Part 4-2553

CABLE STRUCTURE

Conductor	: Solid and Stranded annealed copper wire
Insulation	: Polyvinyl chloride (PVC/C)
Insulation color	: Blue, Brown + Green/Yellow
Inner sheath	: Black polyvinyl chloride (PVC)
Outer sheath	: Black polyvinyl chloride (PVC/ST4)

TECHNICAL DATA

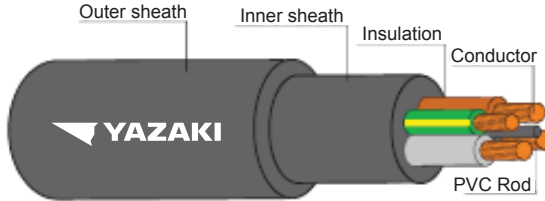
Classification	: Maximum conductor temperature 70°C : Circuit voltage not exceeding 300/500 Volts
Rated voltage	: 300 Volts between Line to Earth : 500 Volts between Line to Line
AC Testing voltage	: 2,500 Volts
Reference standard	: TIS 11 Part 4-2553 Table 1

APPLICATION

For installation exposed, or in raceway, wet or dry location.

Number of cores	Nominal cross sectional area		A.C Resistance	Inductance	Reactance	Impedance
	Phase (mm ²)	Ground (mm ²)	R (Ω/km)	L (mH/km)	XL (Ω/km)	Z (Ω/km)
2+G	1.5	1.5	14.4777	0.3439	0.1081	14.4781
	1.5	1.5	14.4777	0.3427	0.1077	14.4781
	2.5	2.5	8.8661	0.3350	0.1052	8.8667
	2.5	2.5	8.8661	0.3405	0.1070	8.8667
	4	4	5.5159	0.3135	0.0985	5.5168
	4	4	5.5159	0.3164	0.0994	5.5168
	6	6	3.6853	0.3011	0.0946	3.6865
	10	10	2.1897	0.2943	0.0925	2.1917
	16	16	1.3761	0.2773	0.0871	1.3789

B

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

 TIS 11 Part 4-2553

CABLE STRUCTURE

Conductor	: Solid and stranded annealed copper wire
Insulation	: Polyvinyl chloride (PVC/C)
Insulation color	: Brown, Black, Grey + Green/Yellow
Inner sheath	: Black polyvinyl chloride (PVC)
Outer 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
AC Testing voltage	: 2,500 Volts
Reference standard	: TIS 11 Part 4-2553 Table 1

APPLICATION

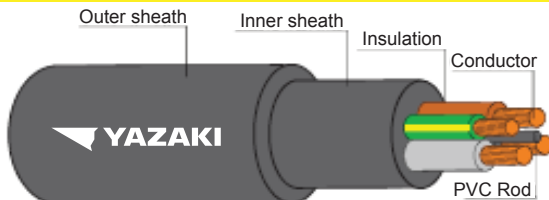
For installation exposed, or in raceway, wet or dry location.

Number of cores	Conductor				Insulation thickness nominal	Inner sheath thickness approx.	Outer 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)	Cable weight approx.	Standard Length
	Nominal cross section area		Type of Conductor												
	Phase (mm²)	Ground (mm²)	Phase	Ground				Minimum (mm)	Maximum (mm)	Phase (Ω/km)	Ground (Ω/km)	(MΩ·km)			
3+G	1.5	1.5	Solid		0.7	0.4	1.2	8.6	11.5	12.1	12.1	0.011	16	170	100/C
	1.5	1.5	Stranded		0.7	0.4	1.2	9.0	12.0	12.1	12.1	0.010	16	190	100/C
	2.5	2.5	Solid		0.8	0.4	1.2	10.0	13.0	7.41	7.41	0.010	22	240	100/C
	2.5	2.5	Stranded		0.8	0.4	1.2	10.0	13.5	7.41	7.41	0.009	22	260	100/C
	4	4	Solid		0.8	0.4	1.4	11.5	14.5	4.61	4.61	0.0085	30	330	100/C
	4	4	Stranded		0.8	0.4	1.4	12.0	15.0	4.61	4.61	0.0077	30	350	100/C
	6	6	Stranded		0.8	0.6	1.4	13.0	17.0	3.08	3.08	0.0065	37	480	500/D
	10	10	Stranded		1.0	0.6	1.4	16.0	20.5	1.83	1.83	0.0065	52	730	500/D
	16	16	Stranded		1.0	0.8	1.4	18.0	23.5	1.15	1.15	0.0052	70	1040	500/D

C = Packing in coil
D = Packing in drum

60227 IEC 10

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



 TIS 11 Part 4-2553

CABLE STRUCTURE

Conductor	: Solid and Stranded annealed copper wire
Insulation	: Polyvinyl chloride (PVC/C)
Insulation color	: Brown, Black, Grey + Green/Yellow
Inner sheath	: Black polyvinyl chloride (PVC)
Outer 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
AC Testing voltage	: 2,500 Volts
Reference standard	: TIS 11 Part 4-2553 Table 1

APPLICATION

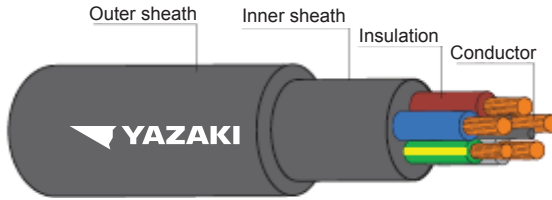
For installation exposed, or in raceway, wet or dry location.

Number of cores	Nominal cross sectional area		A.C Resistance R (Ω/km)	Inductance L (mH/km)	Reactance XL (Ω/km)	Impedance Z (Ω/km)
	Phase (mm ²)	Ground (mm ²)				
3+G	1.5	1.5	14.4777	0.3439	0.1081	14.4781
	1.5	1.5	14.4777	0.3427	0.1077	14.4781
	2.5	2.5	8.8661	0.3350	0.1052	8.8667
	2.5	2.5	8.8661	0.3405	0.1070	8.8667
	4	4	5.5159	0.3135	0.0985	5.5168
	4	4	5.5159	0.3164	0.0994	5.5168
	6	6	3.6853	0.3011	0.0946	3.6865
	10	10	2.1897	0.2943	0.0925	2.1917
	16	16	1.3761	0.2773	0.0871	1.3789

B

60227 IEC 10

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



 TIS 11 Part 4-2553

CABLE STRUCTURE

Conductor	: Solid and stranded annealed copper wire
Insulation	: Polyvinyl chloride (PVC/C)
Insulation color	: Blue, Brown, Black, Grey + Green/Yellow
Inner sheath	: Black polyvinyl chloride (PVC)
Outer 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
AC Testing voltage	: 2,500 Volts
Reference standard	: TIS 11 Part 4-2553 Table 1

APPLICATION

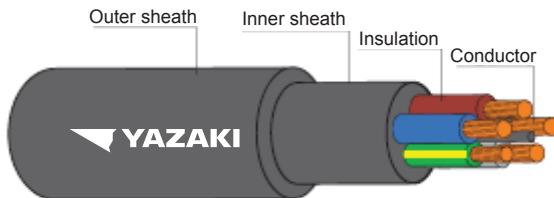
For installation exposed, or in raceway, wet or dry location.

Number of cores	Conductor				Insulation thickness nominal	Inner sheath thickness approx.	Outer 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)	Cable weight approx.	Standard Length
	Nominal cross section area		Type of Conductor												
	Phase	Ground	Phase	Ground				Minimum	Maximum	Phase	Ground				
4+G	1.5	1.5	Solid		0.7	0.4	1.2	9.4	12.0	12.1	12.1	0.011	16	210	100/C
	1.5	1.5	Stranded		0.7	0.4	1.2	9.8	12.5	12.1	12.1	0.010	16	230	100/C
	2.5	2.5	Solid		0.8	0.4	1.2	11.0	14.0	7.41	7.41	0.010	22	290	100/C
	2.5	2.5	Stranded		0.8	0.4	1.2	11.0	14.5	7.41	7.41	0.009	22	310	100/C
	4	4	Solid		0.8	0.6	1.4	12.5	16.0	4.61	4.61	0.0085	30	410	100/C
	4	4	Stranded		0.8	0.6	1.4	13.0	17.0	4.61	4.61	0.0077	30	440	100/C
	6	6	Stranded		0.8	0.6	1.4	14.5	18.5	3.08	3.08	0.0065	37	580	500/D
	10	10	Stranded		1.0	0.6	1.4	17.5	22.0	1.83	1.83	0.0065	52	880	500/D
	16	16	Stranded		1.0	0.8	1.6	20.5	26.0	1.15	1.15	0.0052	70	1300	500/D

C = Packing in coil
D = Packing in drum

60227 IEC 10

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



 TIS 11 Part 4-2553

CABLE STRUCTURE

Conductor	: Solid and Stranded annealed copper wire
Insulation	: Polyvinyl chloride (PVC/C)
Insulation color	: Blue, Brown, Black, Grey + Green/Yellow
Inner sheath	: Black polyvinyl chloride (PVC)
Outer 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
AC Testing voltage	: 2,500 Volts
Reference standard	: TIS 11 Part 4-2553 Table 1

APPLICATION

For installation exposed, or in raceway, wet or dry location.

Number of cores	Nominal cross sectional area		A.C Resistance R (Ω/km)	Inductance L (mH/km)	Reactance XL (Ω/km)	Impedance Z (Ω/km)
	Phase (mm ²)	Ground (mm ²)				
4+G	1.5	1.5	14.4777	0.3439	0.1081	14.4781
	1.5	1.5	14.4777	0.3427	0.1077	14.4781
	2.5	2.5	8.8661	0.3350	0.1052	8.8667
	2.5	2.5	8.8661	0.3405	0.1070	8.8667
	4	4	5.5159	0.3135	0.0985	5.5168
	4	4	5.5159	0.3164	0.0994	5.5168
	6	6	3.6853	0.3011	0.0946	3.6865
	10	10	2.1897	0.2943	0.0925	2.1917
	16	16	1.3761	0.2773	0.0871	1.3789

B