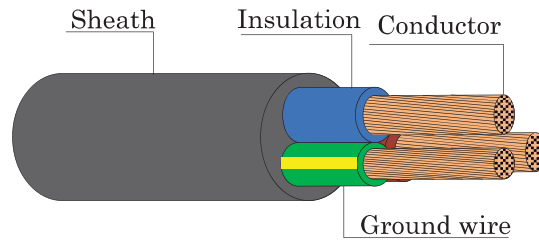


450/750 V 70° C FLEXIBLE CONDUCTOR PVC INSULATED AND SHEATHED WITH GROUND, ROUND TYPE

TIS 11 Part 101-2559



CABLE STRUCTURE

- Conductor** : Flexible annealed copper wire
- Insulation** : Polyvinyl chloride (PVC/D)
- Core identification** 2 Cores + Ground : Blue, Brown + Green/Yellow
- Sheath** : Black polyvinyl choride (PVC/ST5)

TECHNICAL DATA

- Classification** : Maximum conductor temperature 70°C
: Circuit voltage not exceeding 450/750 Volts
- Rated voltage** : 450 Volts between Line to Earth
: 750 Volts between Line to Line
- Testing voltage** : 2,500 Volts
- Reference standard** : TIS 11 Part 101-2559 Table 8

APPLICATION

For mobile-electrical equipment used in mines, factories, farm or household appliances. This cable is suitable for use in places where cables come in contact with oils.

Number of cores	Conductor				Insulation thickness nominal (mm)	Sheath thickness approx. (mm)	Overall diameter maximum (mm)	Conductor resistance maximum at 20°C		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)		
	Nominal cross section area		Type of Conductor					Phase	Ground					Phase	Ground
	Phase (mm ²)	Ground (mm ²)	Phase	Ground											
2+G	1	1	Flexible		0.8	1.2	10.0	19.5	19.5	0.0127	14	120	100/C		
	1.5	1.5	Flexible		0.8	1.4	12.0	13.3	13.3	0.0111	16	150	100/C		
	2.5	2.5	Flexible		0.8	1.4	13.0	7.98	7.98	0.0092	25	200	100/C		
	4	4	Flexible		0.9	1.6	15.5	4.95	4.95	0.0084	30	280	100/C		
	6	6	Flexible		0.9	1.8	17.5	3.30	3.30	0.0071	39	400	100/C		
	10	10	Flexible		1.1	2.0	21.5	1.91	1.91	0.0068	51	650	500/D		
	16	16	Flexible		1.1	2.4	25.0	1.21	1.21	0.0050	73	900	500/D		
	25	16	Flexible		1.3	2.6	28.5	0.780	0.780	0.0048	97	1200	500/D		
	35	16	Flexible		1.3	2.8	31.5	0.554	0.554	0.0041	140	1500	500/D		

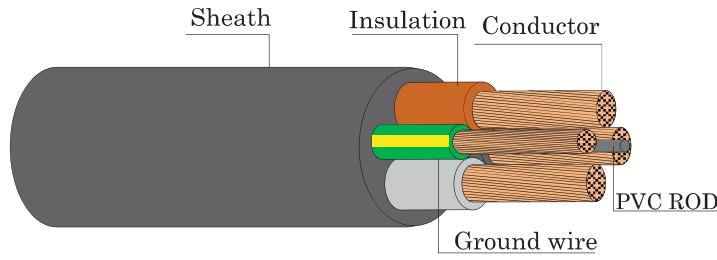
C : Packing in coil
D : Packing in drum

Number of cores	Nominal cross section area		A.C. Resistance R (Ω/km)	Inductance L (mH/km)	Reactance XL (Ω/km)	Impedance Z (Ω/km)
	Phase	Ground				
	(mm ²)	(mm ²)				
2+G	1	1	23.3000	0.3560	0.1118	23.3000
	1.5	1.5	15.9000	0.3330	0.1048	15.9000
	2.5	2.5	9.5500	0.3070	0.0965	9.5500
	4	4	5.9227	0.3084	0.0969	5.9235
	6	6	3.9485	0.2862	0.0899	3.9495
	10	10	2.2854	0.2768	0.0870	2.2870
	16	16	1.4479	0.2638	0.0829	1.4502
	25	16	0.9334	0.2602	0.0817	0.9370
	35	16	0.6631	0.2500	0.0785	0.6677



450/750 V 70° C FLEXIBLE CONDUCTOR PVC INSULATED AND SHEATHED WITH GROUND, ROUND TYPE

TIS 11 Part 101-2559



CABLE STRUCTURE

- Conductor** : Flexible annealed copper wire
- Insulation** : Polyvinyl chloride (PVC/C)
- Core identification**
3 Cores + Ground : Brown, Black, Grey + Green/Yellow
- Sheath** : Black polyvinyl choride (PVC/ST5)

TECHNICAL DATA

- Classification** : Maximum conductor temperature 70°C
: Circuit voltage not exceeding 450/750 Volts
- Rated voltage** : 450 Volts between Line to Earth
: 750 Volts between Line to Line
- Testing voltage** : 2,500 Volts
- Reference standard** : TIS 11 Part 101-2559 Table 8

APPLICATION

For mobile-electrical equipment used in mines, factories, farm or household appliances. This cable is suitable for use in places where cables come in contact with oils.

B

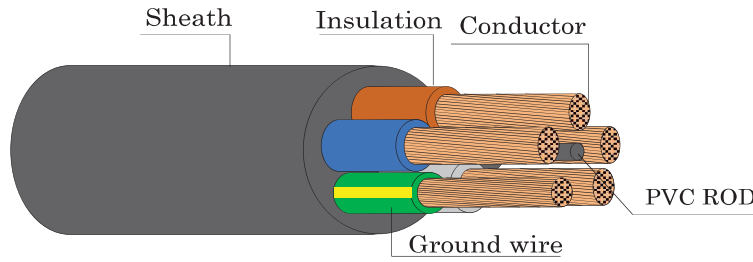
Number of cores	Conductor				Insulation thickness nominal (mm)	Sheath thickness approx. (mm)	Overall diameter maximum (mm)	Conductor resistance maximum at 20°C		Insulation resistance at 70°C minimum (MΩ-km)	Continuous current rating in free air at 40°C maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
	Nominal cross section area		Type of Conductor					Phase (Ω/km)	Ground (Ω/km)				
	Phase (mm ²)	Ground (mm ²)	Phase	Ground									
3+G	1	1	Flexible		0.8	1.4	11.5	19.5	19.5	0.0127	12	150	100/C
	1.5	1.5	Flexible		0.8	1.4	12.5	13.3	13.3	0.0111	15	180	100/C
	2.5	2.5	Flexible		0.8	1.4	14.0	7.98	7.98	0.0092	20	240	100/C
	4	4	Flexible		0.9	1.8	17.0	4.95	4.95	0.0084	26	360	100/C
	6	6	Flexible		0.9	2.0	19.5	3.30	3.30	0.0071	34	500	500/D
	10	10	Flexible		1.1	2.2	24.0	1.91	1.91	0.0068	47	850	500/D
	16	16	Flexible		1.1	2.6	28.0	1.21	1.21	0.0050	63	1200	500/D
	25	16	Flexible		1.3	2.8	33.0	0.780	0.780	0.0048	83	1600	500/D
	35	16	Flexible		1.3	3.1	37.0	0.554	0.554	0.0041	102	2100	500/D

C : Packing in coil
D : Packing in drum

Number of cores	Nominal cross section area		A.C. Resistance	Inductance	Reactance	Impedance
	Phase	Ground	R (Ω/km)	L (mH/km)	XL (Ω/km)	Z (Ω/km)
	(mm ²)	(mm ²)				
3+G	1	1	23.3000	0.3560	0.1118	23.3000
	1.5	1.5	15.9000	0.3330	0.1048	15.9000
	2.5	2.5	9.5500	0.3070	0.0965	9.5500
	4	4	5.9227	0.3084	0.0969	5.9235
	6	6	3.9485	0.2862	0.0899	3.9495
	10	10	2.2854	0.2768	0.0870	2.2870
	16	16	1.4479	0.2638	0.0829	1.4503
	25	16	0.9335	0.2602	0.0817	0.9371
35	16	0.6632	0.2500	0.0785	0.6678	

450/750 V 70°C FLEXIBLE CONDUCTOR PVC INSULATED AND SHEATHED WITH GROUND, ROUND TYPE

TIS 11 Part 101-2559



CABLE STRUCTURE

Conductor : Flexible annealed copper wire

Insulation : Polyvinyl chloride (PVC/C)

Core identification
4 Cores + Ground : Blue, Brown, Black, Grey + Green/Yellow

Sheath : Black polyvinyl chloride (PVC/ST5)

TECHNICAL DATA

Classification : Maximum conductor temperature 70°C
: Circuit voltage not exceeding 450/750 Volts

Rated voltage : 450 Volts between Line to Earth
: 750 Volts between Line to Line

Testing voltage : 2,500 Volts

Reference standard : TIS 11 Part 101-2559 Table 8

APPLICATION

For mobile-electrical equipment used in mines, factories, farm or household appliances. This cable is suitable for use in places where cables come in contact with oils.

Number of cores	Conductor				Insulation thickness nominal (mm)	Sheath thickness approx. (mm)	Overall diameter maximum (mm)	Conductor resistance maximum at 20°C		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)
	Nominal cross section area		Type of Conductor					Phase (Ω/km)	Ground (Ω/km)				
	Phase (mm ²)	Ground (mm ²)	Phase	Ground									
4+G	1	1	Flexible		0.8	1.6	13.0	19.5	19.5	0.0127	12	190	100/C
	1.5	1.5	Flexible		0.8	1.6	14.0	13.3	13.3	0.0111	15	220	100/C
	2.5	2.5	Flexible		0.8	1.6	15.5	7.98	7.98	0.0092	20	310	100/C
	4	4	Flexible		0.9	1.8	18.5	4.95	4.95	0.0084	26	440	100/C
	6	6	Flexible		0.9	2.0	21.5	3.30	3.30	0.0071	34	600	500/D
	10	10	Flexible		1.1	2.2	26.5	1.91	1.91	0.0068	47	1000	500/D
	16	16	Flexible		1.1	2.6	30.5	1.21	1.21	0.0050	63	1400	500/D
	25	16	Flexible		1.3	2.8	36.5	0.780	0.780	0.0048	83	2000	500/D
	35	16	Flexible		1.3	3.1	41.5	0.554	0.554	0.0041	102	2600	500/D

C : Packing in coil
D : Packing in drum

Number of cores	Nominal cross section area		A.C. Resistance	Inductance	Reactance	Impedance
	Phase	Ground	R (Ω/km)	L (mH/km)	XL (Ω/km)	Z (Ω/km)
	(mm ²)	(mm ²)				
4+G	1	1	23.3000	0.3560	0.1118	23.3000
	1.5	1.5	15.9000	0.3330	0.1048	15.9000
	2.5	2.5	9.5500	0.3070	0.0965	9.5500
	4	4	5.9227	0.3084	0.0969	5.9235
	6	6	3.9485	0.2862	0.0899	3.9495
	10	10	2.2854	0.2768	0.0870	2.2870
	16	16	1.4479	0.2638	0.0829	1.4503
	25	16	0.9335	0.2602	0.0817	0.9371
35	16	0.6632	0.2500	0.0785	0.6678	