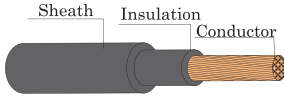
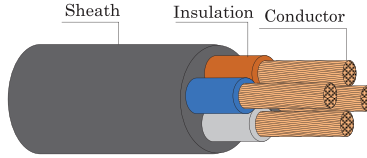


450/750 V 70°C FLEXIBLE CONDUCTOR PVC INSULATED AND SHEATH, ROUND TYPE


TIS 11 Part 101-2553

CABLE STRUCTURE

Conductor : Flexible annealed copper
 Single-core : Sizes 4 mm² up to 35 mm²
 Multi-core : Sizes 4 mm² up to 35 mm²

Insulation : Polyvinyl chloride (PVC/D)

Core identification

Single-core : Black
 2 Cores : Blue and Brown
 3 Cores : Brown, Black, Grey
 4 Cores : Blue, Brown, Black, Grey

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 101-2553 Table 7

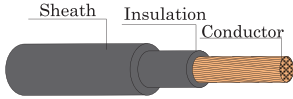
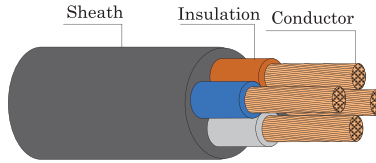
APPLICATION

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 core	Nominal cross sectional area (mm ²)	Conductor type	Insulation thickness nominal (mm)	Outer sheath thickness nominal (mm)	Overall diameter maximum (mm)	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)
1	4	Flexible	0.9	1.4	8.6	4.95	0.0084	30	90	100/C
	6	Flexible	0.9	1.4	9.4	3.30	0.0071	39	120	100/C
	10	Flexible	1.1	1.8	12.0	1.91	0.0068	51	210	100/C
	26	Flexible	1.1	1.8	13.5	1.21	0.0050	73	270	100/C
	25	Flexible	1.3	2.2	16.0	0.780	0.0048	97	410	100/C
2	35	Flexible	1.3	2.2	17.5	0.554	0.0041	140	550	500/D
	4	Flexible	0.9	1.6	14.5	4.95	0.0084	30	230	100/C
	6	Flexible	0.9	1.6	16.0	3.30	0.0071	39	320	100/C
	10	Flexible	1.1	1.8	20.0	1.91	0.0068	51	500	500/D
	26	Flexible	1.1	2.2	23.0	1.21	0.0050	73	700	500/D
3	25	Flexible	1.3	2.4	27.5	0.780	0.0048	97	1000	500/D
	35	Flexible	1.3	2.6	31.0	0.554	0.0041	140	1400	500/D
	4	Flexible	0.9	1.6	15.5	4.95	0.0084	26	280	100/C
	6	Flexible	0.9	1.8	17.5	3.30	0.0071	34	390	100/C
	10	Flexible	1.1	2.0	21.5	1.91	0.0068	47	650	500/D
4	26	Flexible	1.1	2.4	25.0	1.21	0.0050	63	900	500/D
	25	Flexible	1.3	2.6	30.0	0.780	0.0048	83	1300	500/D
	35	Flexible	1.3	2.8	33.5	0.554	0.0041	102	1700	500/D
	4	Flexible	0.9	1.8	17.0	4.95	0.0084	26	350	100/C
	6	Flexible	0.9	2.0	19.5	3.30	0.0071	34	490	100/C
4	10	Flexible	1.1	2.2	24.0	1.91	0.0068	47	800	500/D
	26	Flexible	1.1	2.6	28.0	1.21	0.0050	63	1100	500/D
	25	Flexible	1.3	2.8	33.0	0.780	0.0048	83	1700	500/D
	35	Flexible	1.3	3.1	37.0	0.554	0.0041	102	2200	500/D

C = Packing in coil
 D = Packing in drum

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 TIS 11 Part 101-2553


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

Testing voltage : 2,500 Volts

Reference standard : TIS 11 Part 101-2553 Table 7

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 core	Nominal cross sectional area (mm ²)	A.C. Resistance R	Inductance L	Reactance XL	Impedance Z
		(Ω/km)	(mH/km)	(Ω/km)	(Ω/km)
1	4	5.9227	0.5946	0.1868	5.9256
	6	3.9485	0.5605	0.1761	3.9524
	10	2.2854	0.5529	0.1737	2.2919
	16	1.4478	0.5306	0.1667	1.4574
	25	0.9334	0.5275	0.1657	0.9480
	35	0.6630	0.5086	0.1598	0.6820
2	4	5.9227	0.3084	0.0969	5.9235
	6	3.9485	0.2862	0.0899	3.9495
	10	2.2854	0.2768	0.0870	2.2870
	16	1.4479	0.2638	0.0829	1.4502
	25	0.9334	0.2602	0.0817	0.9370
	35	0.6631	0.2500	0.0785	0.6677
3	4	5.9227	0.3084	0.0969	5.9235
	6	3.9485	0.2862	0.0899	3.9495
	10	2.2854	0.2768	0.0870	2.2870
	16	1.4479	0.2638	0.0829	1.4503
	25	0.9335	0.2602	0.0817	0.9371
	35	0.6632	0.2500	0.0785	0.6678
4	4	5.9227	0.3084	0.0969	5.9235
	6	3.9485	0.2862	0.0899	3.9495
	10	2.2854	0.2768	0.0870	2.2870
	16	1.4479	0.2638	0.0829	1.4503
	25	0.9335	0.2602	0.0817	0.9371
	35	0.6632	0.2500	0.0785	0.6678