COPPER CONDUCTOR CABLES

◈Building Wires And Cables◈

TIS 11 Part 5-2553 : Flexible Cables (Cords)

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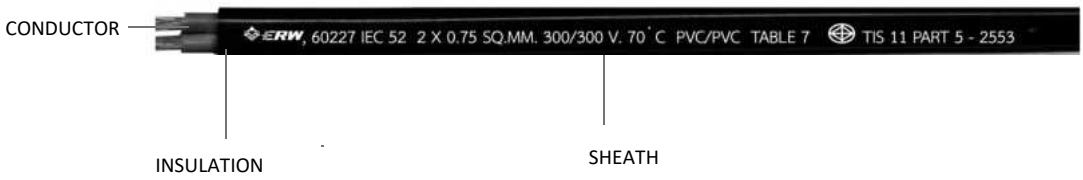
60227 IEC 52 VKF

TIS 11 Part 5-2553

300/300 V 70°C FLEXIBLE CONDUCTOR PVC INSULATED AND SHEATHED,FLAT TYPE



CABLE STRUCTURE

Conductor : Flexible annealed copper wires
Size 0.5 mm^2 and 0.75 mm^2

Insulation : Polyvinyl chloride (PVC/D)

Core identification

2 Cores : Blue and Brown

Sheath : Black polyvinyl chloride (PVC/ST5)

TECHNICAL DATA

Classification : Maximum conductor temperature 70°C
: Circuit voltage not exceeding 300/300 Volts
300 Volts between Line-to-Earth
300 Volts between Line-to-Line

Testing voltage : 2,000 Volts

Reference standard : TIS 11 Part 5-2553, Table 7

APPLICATION

For household appliances, electrical equipment and electrical illumination

Number of core	Nominal cross sectional area (mm^2)	Class of Conductor	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter Minimum (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 maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
2	0.5	5	0.5	0.6	3.0 x 4.9	3.7 x 5.9	39.0	0.012	10	28	100/C
	0.75	5	0.5	0.6	3.2 x 5.2	3.8 x 6.3	26.0	0.010	12	35	100/C

Class of conductor 5 : Flexible

G:Ground conductor C: Packing in coil

60227 IEC 52 VCT

TIS 11 Part 5-2553

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

CABLE STRUCTURE

Conductor : Flexible annealed copper wires
Size 0.5 mm^2 and 0.75 mm^2

Insulation : Polyvinyl chloride (PVC/D)

Core identification

2 Cores : Blue and Brown

3 Cores : Brown,Black and Grey
Or Blue,Brown and Green/Yellow

Sheath : Black polyvinyl chloride (PVC/ST5)

TECHNICAL DATA

Classification : Maximum conductor temperature 70°C

: Circuit voltage not exceeding 300/300 Volts
300 Volts between Line-to-Earth
300 Volts between Line-to-Line

Testing voltage : 2,000 Volts

Reference standard : TIS 11 Part 5-2553, Table 7

APPLICATION

For household appliances, electrical equipment and electrical illumination.

Number of core	Nominal cross sectional area (mm^2)	Class of Conductor	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter Minimum (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 maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
2	0.5	5	0.5	0.6	4.6	5.9	39.0	0.012	10	40	100/C
	0.75	5	0.5	0.6	4.9	6.3	26.0	0.010	12	48	100/C
3	0.5	5	0.5	0.6	4.9	6.3	39.0	0.012	8	47	100/C
	0.75	5	0.5	0.6	5.2	6.7	26.0	0.010	10	58	100/C

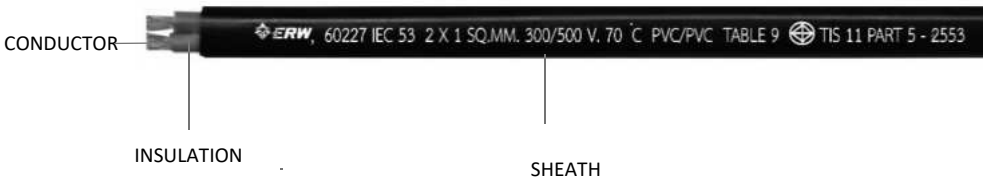
Class of conductor 5 : Flexible

G:Ground conductor C: Packing in coil

60227 IEC 53 VKF

TIS 11 Part 5-2553

300/300 V 70°C FLEXIBLE CONDUCTOR PVC INSULATED AND SHEATHED,FLAT TYPE



CABLE STRUCTURE

Conductor : Flexible annealed copper wires
Size 0.75 mm^2 and 1 mm^2

Insulation : Polyvinyl chloride (PVC/D)

Core identification

2 Cores : Blue and Brown

Sheath : Black polyvinyl chloride (PVC/ST5)

TECHNICAL DATA

Classification : Maximum conductor temperature 70°C
: Circuit voltage not exceeding 300/500Volts
300 Volts between Line-to-Earth
500 Volts between Line-to-Line

Testing voltage : 2,000 Volts

Reference standard : TIS 11 Part 5-2553, Table 9

APPLICATION

For household appliances, electrical equipment and electrical illumination

Number of core	Nominal cross sectional area (mm^2)	Class of Conductor	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter Minimum (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 maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
2	0.75	5	0.6	0.8	3.7 x 6.0	4.5 x 7.2	26.0	0.011	12	43	100/C
	1	5	0.6	0.8	3.9 x 6.2	4.7 x 7.5	19.5	0.010	15	50	100/C

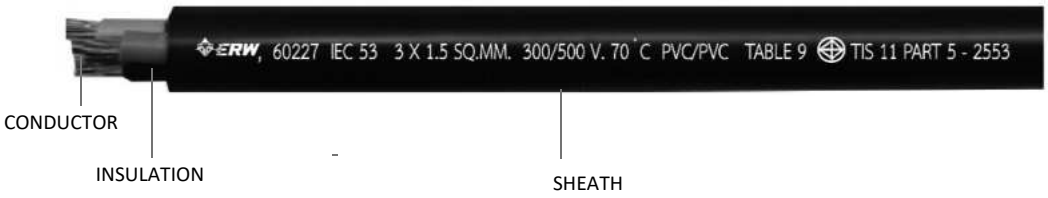
Class of conductor 5 : Flexible

G:Ground conductor C: Packing in coil

60227 IEC 53 VCT or
60227 IEC 53 VCT-G

TIS 11 Part 5-2553

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



CABLE STRUCTURE

Conductor : Flexible annealed copper wires
Size 0.75 mm^2 and 2.5 mm^2

Insulation : Polyvinyl chloride (PVC/D)

Core identification

2 Cores : Blue and Brown

3 Cores : Brown,Black and Grey
Or Blue,Brown and Green/Yellow

4 Cores : Brown,Black,Grey and Blue
Or Brown,Black,Grey and Green/Yellow

5 Cores : Blue,Brown,Black,Grey and Black
or Blue,Brown,Black,Grey and Green/Yellow

Sheath : Black polyvinyl chloride (PVC/ST5)

TECHNICAL DATA

Classification : Maximum conductor temperature 70°C
: Circuit voltage not exceeding 300/500Volts
300 Volts between Line-to-Earth
500 Volts between Line-to-Line

Testing voltage : 2,000 Volts

Reference standard : TIS 11 Part 5-2553, Table 9

APPLICATION

For household appliances, electrical equipment and electrical illumination.

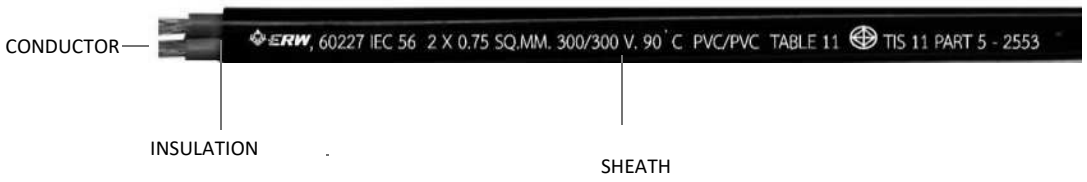
Number of core	Nominal cross sectional area (mm^2)	Class of Conductor	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter Minimum (mm)	Overall diameter Maximum (mm)	Conductor resistance at 20° C maximum (Ω/km)	Insulation resistance at 70° C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
2	0.75	5	0.6	0.8	5.7	7.2	26.0	13.000	12	60	100/C
	1	5	0.6	0.8	5.9	7.5	19.5	0.010	14	70	100/C
	1.5	5	0.7	0.8	6.8	8.6	13.3	0.010	18	93	100/C
	2.5	5	0.8	1.0	8.4	10.6	7.98	0.009	25	140	100/C
3	0.75	5	0.6	0.8	6.0	7.6	26.0	0.011	10	70	100/C
	1	5	0.6	0.8	6.3	8.0	19.5	0.010	12	82	100/C
	1.5	5	0.7	0.9	7.4	9.4	13.3	0.010	16	115	100/C
	2.5	5	0.8	1.1	9.2	11.4	7.98	0.009	21	175	100/C
4	0.75	5	0.6	0.8	6.6	8.3	26.0	0.011	10	84	100/C
	1	5	0.6	0.9	7.1	9.0	19.5	0.010	12	105	100/C
	1.5	5	0.7	1.0	8.4	10.5	13.3	0.010	16	145	100/C
	2.5	5	0.8	1.1	10.1	12.5	7.98	0.009	21	215	100/C
5	0.75	5	0.6	0.9	7.4	9.3	26.0	0.011	10	105	100/C
	1	5	0.6	0.9	7.8	9.8	19.5	0.010	12	125	100/C
	1.5	5	0.7	1.1	9.3	11.6	13.3	0.010	16	175	100/C
	2.5	5	0.8	1.2	11.2	13.9	7.98	0.009	21	265	100/C

Class of conductor 5 : Flexible G:Ground conductor C: Packing in coil

60227 IEC 56 HVKF

TIS 11 Part 5-2553

300/300 V 90°C FLEXIBLE CONDUCTOR PVC INSULATED AND SHEATHED,FLAT TYPE



CABLE STRUCTURE

Conductor : Flexible annealed copper wires
Size 0.5 mm^2 and 0.75 mm^2

Insulation : Polyvinyl chloride (PVC/E)

Core identification

2 Cores : Blue and Brown

Sheath : Black polyvinyl chloride (PVC/ST10)

TECHNICAL DATA

Classification : Maximum conductor temperature 90°C

: Circuit voltage not exceeding 300/300Volts

300 Volts between Line-to-Earth

300 Volts between Line-to-Line

Testing voltage : 2,000 Volts

Reference standard : TIS 11 Part 5-2553, Table 11

APPLICATION

For household appliances, electrical equipment and electrical illumination

Number of core	Nominal cross sectional area (mm^2)	Class of Conductor	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter Minimum (mm)	Overall diameter Maximum (mm)	Conductor resistance at 20° C maximum (Ω/km)	Insulation resistance at 90° C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
2	0.5	5	0.5	0.6	3.0 x 4.9	3.7 x 5.9	39.0	0.012	13	28	100/C
	0.75	5	0.5	0.6	3.2 x 5.2	3.8 x 6.3	26.0	0.010	16	35	100/C

Class of conductor 5 : Flexible

G:Ground conductor C: Packing in coil

60227 IEC 56 HVCT

TIS 11 Part 5-2553

300/300 V 90°C FLEXIBLE CONDUCTOR PVC INSULATED AND SHEATHED, ROUND TYPE

CABLE STRUCTURE

Conductor : Flexible annealed copper wires
Size 0.5 mm^2 and 0.75 mm^2

Insulation : Polyvinyl chloride (PVC/E)

Core identification

2 Cores : Blue and Brown

3 Cores : Brown,Black and Grey
Or Blue,Brown and Green/Yellow

Sheath : Black polyvinyl chloride (PVC/ST10)

TECHNICAL DATA

Classification : Maximum conductor temperature 90°C
: Circuit voltage not exceeding 300/300 Volts
300 Volts between Line-to-Earth
300 Volts between Line-to-Line

Testing voltage : 2,000 Volts

Reference standard : TIS 11 Part 5-2553, Table 11

APPLICATION

For household appliances, electrical equipment and electrical illumination.

Number of core	Nominal cross sectional area (mm^2)	Class of Conductor	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter Minimum (mm)	Overall diameter Maximum (mm)	Conductor resistance at 20° C maximum (Ω/km)	Insulation resistance at 90° C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
2	0.5	5	0.5	0.6	4.6	5.9	39.0	0.012	13	38	100/C
	0.75	5	0.5	0.6	4.9	6.3	26.0	0.010	16	46	100/C
3	0.5	5	0.5	0.6	4.9	6.3	39.0	0.012	11	44	100/C
	0.75	5	0.5	0.6	5.2	6.7	26.0	0.010	13	55	100/C

Class of conductor 5 : Flexible

G:Ground conductor C: Packing in coil

60227 IEC 57 HVKF

TIS 11 Part 5-2553

300/500 V 90°C FLEXIBLE CONDUCTOR PVC INSULATED AND SHEATHED,FLAT TYPE

CABLE STRUCTURE

Conductor : Flexible annealed copper wire, Size 0.75 mm^2 and 1 mm^2

Insulation : Polyvinyl chloride (PVC/E)

Core identification

2 Cores : Blue and Brown

Sheath : Black polyvinyl chloride (PVC/ST10)

TECHNICAL DATA

Classification : Maximum conductor temperature 90°C

: Circuit voltage not exceeding 300/500 Volts

300 Volts between Line-to-Earth

500 Volts between Line-to-Line

Testing voltage : 2,000 Volts

Reference standard : TIS 11 Part 5-2553, Table 13

APPLICATION

For household appliances, electrical equipment and electrical illumination

Number of core	Nominal cross sectional area (mm^2)	Class of Conductor	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter Minimum (mm)	Overall diameter Maximum (mm)	Conductor resistance at 20° C maximum (Ω/km)	Insulation resistance at 90° C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
2	0.75	5	0.6	0.8	3.7 x 6.0	4.5 x 7.2	39.0	0.011	16	42	100/C
	1	5	0.6	0.8	3.9 x 6.2	4.7 x 7.5	19.5	0.010	19	50	100/C

Class of conductor 5 : Flexible

G:Ground conductor C: Packing in coil

60227 IEC 57 HVCT

TIS 11 Part 5-2553

300/500 V 90°C FLEXIBLE CONDUCTOR PVC INSULATED AND SHEATHED, ROUND TYPE

CABLE STRUCTURE

Conductor : Flexible annealed copper wire,
Size 0.75 mm^2 and 2.5 mm^2

Insulation : Polyvinyl chloride (PVC/E)

Core identification

2 Cores : Blue and Brown

3 Cores : Brown,Black and Grey
Or Blue,Brown and Green/Yellow

4 Cores : Brown,Black,Grey and Blue
Or Brown,Black,Grey and Green/Yellow

5 Cores : Blue,Brown,Black,Grey and Black
or Blue,Brown,Black,Grey and Green/Yellow

Sheath : Black polyvinyl chloride (PVC/ST10)

TECHNICAL DATA

Classification : Maximum conductor temperature 90°C
: Circuit voltage not exceeding 300/500 Volts
300 Volts between Line-to-Earth
500 Volts between Line-to-Line

Testing voltage : 2,000 Volts

Reference standard : TIS 11 Part 5-2553, Table 13

APPLICATION

For household appliances, electrical equipment and electrical illumination.

Number of core	Nominal cross sectional area (mm^2)	Class of Conductor	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter Minimum (mm)	Overall diameter Maximum (mm)	Conductor resistance at 20° C maximum (Ω/km)	Insulation resistance at 90° C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
2	0.75	5	0.6	0.8	5.7	7.2	26.0	13.000	16	57	100/C
	1	5	0.6	0.8	5.9	7.5	19.5	0.010	19	66	100/C
	1.5	5	0.7	0.8	6.8	8.6	13.3	0.010	24	89	100/C
	2.5	5	0.8	1.0	8.4	10.6	7.98	0.009	33	135	100/C
3	0.75	5	0.6	0.8	6.0	7.6	26.0	0.011	14	66	100/C
	1	5	0.6	0.8	6.3	8.0	19.5	0.010	16	78	100/C
	1.5	5	0.7	0.9	7.4	9.4	13.3	0.010	21	110	100/C
	2.5	5	0.8	1.1	9.2	11.4	7.98	0.009	28	170	100/C
4	0.75	5	0.6	0.8	6.6	8.3	26.0	0.011	14	80	100/C
	1	5	0.6	0.9	7.1	9.0	19.5	0.010	16	99	100/C
	1.5	5	0.7	1.0	8.4	10.5	13.3	0.010	21	140	100/C
	2.5	5	0.8	1.1	10.1	12.5	7.98	0.009	28	205	100/C
5	0.75	5	0.6	0.9	7.4	9.3	26.0	0.011	14	99	100/C
	1	5	0.6	0.9	7.8	9.8	19.5	0.010	16	120	100/C
	1.5	5	0.7	1.1	9.3	11.6	13.3	0.010	21	170	100/C
	2.5	5	0.8	1.2	11.2	13.9	7.98	0.009	28	250	100/C

Class of conductor 5 : Flexible

G:Ground conductor C: Packing in coil