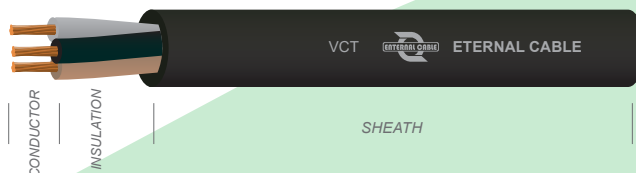




VCT

TIS 11 Part 101-2559

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



CABLE STRUCTURE

Conductor : Flexible annealed copper,
 Single-core : Size 1 mm² up to 35 mm²
 Multi-cores : Size 1 mm² up to 35 mm²
Insulation : Polyvinyl chloride (PVC/D)
Core identification
 Single-core : Black
 2 Cores : Blue and Brown
 3 Cores : Brown, Black and Grey
 4 Cores : Blue, Brown, Black and Grey

Sheath : Black polyvinyl chloride (PVC/ST5)

TECHNICAL DATA

Classification : Maximum conductor temperature 70 °C
 : Circuit voltage not exceeding 450/750 Volts
 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 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)	Dia of wires (mm) (Max.)	Diameter of conductor (mm) (Approx.)	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter maximum (mm)	Insulation resistance at 70°C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
1	1	0.21	1.31	0.8	1.2	6.2	0.0127	10	42	100/C
	1.5	0.26	1.58	0.8	1.2	6.6	0.0111	16	50	100/C
	2.5	0.26	2.04	0.8	1.2	7.4	0.0092	25	63	100/C
	4	0.31	2.59	0.9	1.4	8.6	0.0084	30	93	100/C
	6	0.31	3.60	0.9	1.4	9.4	0.0071	39	120	100/C
	10	0.41	4.79	1.1	1.8	12.0	0.0068	51	210	500/D
	16	0.41	5.88	1.1	1.8	13.5	0.0050	73	280	500/D
	25	0.41	7.32	1.3	2.2	16.0	0.0048	97	420	500/D
	35	0.41	8.61	1.3	2.2	17.5	0.0041	140	540	500/D
2	1	0.21	1.31	0.8	1.2	9.6	0.0127	10	105	100/C
	1.5	0.26	1.58	0.8	1.4	11.0	0.0111	16	135	100/C
	2.5	0.26	2.04	0.8	1.4	12.5	0.0092	25	170	100/C
	4	0.31	2.59	0.9	1.6	14.5	0.0084	30	241	100/C
	6	0.31	3.60	0.9	1.6	16.0	0.0071	39	375	100/C
	10	0.41	4.79	1.1	1.8	20.0	0.0068	51	540	500/D
	16	0.41	5.88	1.1	2.2	23.0	0.0050	73	770	500/D
	25	0.41	7.32	1.3	2.4	27.5	0.0048	97	1,130	500/D
	35	0.41	8.61	1.3	2.6	31.0	0.0041	140	1,470	500/D

Class of conductor 5 : Flexible

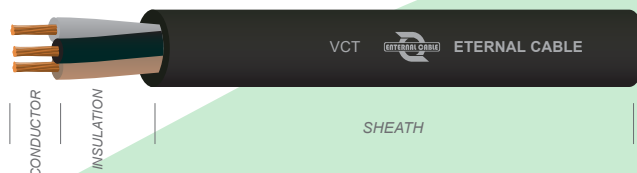
C : Packing in coil
 D : Packing in drum



VCT

TIS 11 Part 101-2559

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



CABLE STRUCTURE

- Conductor** : Flexible annealed copper,
Multi-cores : Size 1 mm² up to 35 mm²
- Ground wire** : Flexible annealed copper,
- Insulation** : Polyvinyl chloride (PVC/D)
- Core identification**
- Single-core : Black
 - 2 Cores : Blue and Brown
 - 3 Cores : Brown, Black and Grey
 - 4 Cores : Blue, Brown, Black and Grey
- Sheath** : Black polyvinyl chloride (PVC/ST5)

TECHNICAL DATA

- Classification** : Maximum conductor temperature 70 °C
: Circuit voltage not exceeding 450/750 Volts
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 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)	Dia of wires (mm) (Max.)	Diameter of conductor (mm) (Approx.)	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter maximum (mm)	Insulation resistance at 70°C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
3	1	0.21	1.31	0.8	1.4	10.5	0.0127	10	130	100/C
	1.5	0.26	1.58	0.8	1.4	11.5	0.0111	16	160	100/C
	2.5	0.26	2.04	0.8	1.4	13.0	0.0092	20	200	100/C
	4	0.31	2.59	0.9	1.6	15.5	0.0084	26	291	100/C
	6	0.31	3.60	0.9	1.8	17.5	0.0071	34	420	100/C
	10	0.41	4.79	1.1	2.0	21.5	0.0068	47	684	500/D
	16	0.41	5.88	1.1	2.4	25.0	0.0050	63	960	500/D
	25	0.41	7.32	1.3	2.6	30.0	0.0048	83	1,420	500/D
	35	0.41	8.61	1.3	2.8	33.5	0.0041	102	1,860	500/D
4	1	0.21	1.31	0.8	1.6	12.0	0.0127	10	170	100/C
	1.5	0.26	1.58	0.8	1.6	12.5	0.0111	16	200	100/C
	2.5	0.26	2.04	0.8	1.6	15.0	0.0092	20	260	100/C
	4	0.31	2.59	0.9	1.8	17.0	0.0084	26	363	100/C
	6	0.31	3.60	0.9	2.0	19.5	0.0071	34	540	100/C
	10	0.41	4.79	1.1	2.2	24.0	0.0068	47	860	500/D
	16	0.41	5.88	1.1	2.6	28.0	0.0050	63	1,220	500/D
	25	0.41	7.32	1.3	2.8	33.0	0.0048	83	1,800	500/D
	35	0.41	8.61	1.3	3.1	37.0	0.0041	102	2,380	500/D

Class of conductor 5 : Flexible

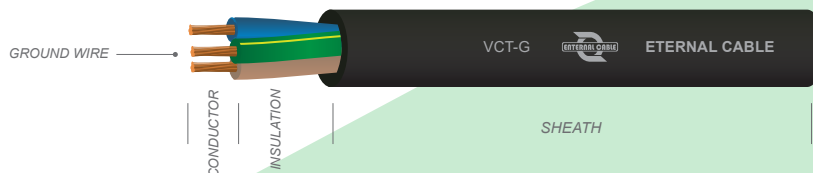
C : Packing in coil
D : Packing in drum



VCT-G

TIS 11 Part 101-2559

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



CABLE STRUCTURE

- Conductor** : Flexible annealed copper,
Multi-cores : Size 1 mm² up to 35 mm²
- Ground wire** : Flexible annealed copper,
Multi-cores : Size 1 mm² up to 16 mm²
- Insulation** : Polyvinyl chloride (PVC/D)
- Core identification**
- 2 Cores : Blue and Brown
 - 3 Cores : Brown, Black and Grey
 - 4 Cores : Blue, Brown, Black and Grey
 - Ground core : Green/Yellow
- Sheath** : Black polyvinyl chloride (PVC/ST5)

TECHNICAL DATA

- Classification** : Maximum conductor temperature 70 °C
: Circuit voltage not exceeding 450/750 Volts
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 core	Nominal cross sectional area (mm ²)	Dia of wires (mm) (Max.)	Diameter of conductor (mm) (Approx.)	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter maximum (mm)	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+G	1	0.21	1.31	0.8	1.2	10.0	0.0127	10	120	100/C
	1 (G)	0.21	1.31	0.8						
	1.5	0.26	1.58	0.8	1.4	12.0	0.0111	16	160	100/C
	1.5 (G)	0.26	1.58	0.8						
	2.5	0.26	2.04	0.8	1.4	13.0	0.0092	25	200	100/C
	2.5 (G)	0.26	2.04	0.8						
	4	0.31	2.59	0.9	1.6	15.5	0.0084	30	300	100/C
	4 (G)	0.31	2.59	0.9						
	6	0.31	3.60	0.9	1.8	17.5	0.0071	39	420	100/C
	6 (G)	0.31	3.60	0.9						
	10	0.41	4.79	1.1	2.0	21.5	0.0068	51	670	500/D
	10 (G)	0.41	4.79	1.1						
	16	0.41	5.88	1.1	2.4	25.0	0.0050	73	960	500/D
	16 (G)	0.41	5.88	1.1						
	25	0.41	7.32	1.3	2.6	28.5	0.0048	97	1,290	500/D
	16 (G)	0.41	5.88	1.1						
	35	0.41	8.61	1.3	2.8	31.5	0.0041	140	1,610	500/D
	16 (G)	0.41	5.88	1.1						

Class of conductor 5 : Flexible

G : Ground conductor

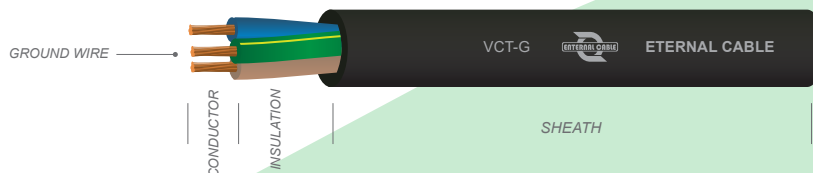
C : Packing in coil
D : Packing in drum



VCT-G

TIS 11 Part 101-2559

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



CABLE STRUCTURE

- Conductor** : Flexible annealed copper,
Multi-cores : Size 1 mm² up to 35 mm²
- Ground wire** : Flexible annealed copper,
Multi-cores : Size 1 mm² up to 16 mm²
- Insulation** : Polyvinyl chloride (PVC/D)
- Core identification**
- 2 Cores : Blue and Brown
 - 3 Cores : Brown, Black and Grey
 - 4 Cores : Blue, Brown, Black and Grey
 - Ground core : Green/Yellow
- Sheath** : Black polyvinyl chloride (PVC/ST5)

TECHNICAL DATA

- Classification** : Maximum conductor temperature 70 °C
: Circuit voltage not exceeding 450/750 Volts
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 core	Nominal cross sectional area (mm ²)	Dia of wires (mm) (Max.)	Diameter of conductor (mm) (Approx.)	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter maximum (mm)	Insulation resistance at 70°C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
3+G	1	0.21	1.31	0.8	1.4	11.5	0.0127	10	160	100/C
	1 (G)	0.21	1.31	0.8						
	1.5	0.26	1.58	0.8	1.4	12.5	0.0111	16	190	100/C
	1.5 (G)	0.26	1.58	0.8						
	2.5	0.26	2.04	0.8	1.4	14.0	0.0092	25	250	100/C
	2.5 (G)	0.26	2.04	0.8						
	4	0.31	2.59	0.9	1.8	17.0	0.0084	26	380	100/C
	4 (G)	0.31	2.59	0.9						
	6	0.31	3.60	0.9	2.0	19.5	0.0071	34	540	100/C
	6 (G)	0.31	3.60	0.9						
	10	0.41	4.79	1.1	2.2	24.0	0.0068	47	860	500/D
	10 (G)	0.41	4.79	1.1						
	16	0.41	5.88	1.1	2.6	28.0	0.0050	63	1,220	500/D
	16 (G)	0.41	5.88	1.1						
	25	0.41	7.32	1.3	2.8	33.0	0.0048	83	1,670	500/D
	16 (G)	0.41	5.88	1.1						
	35	0.41	8.61	1.3	3.1	37.0	0.0041	102	2,110	500/D
	16 (G)	0.41	5.88	1.1						

Class of conductor 5 : Flexible

G : Ground conductor

C : Packing in coil

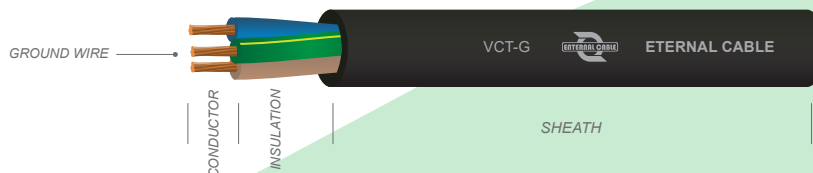
D : Packing in drum



VCT-G

TIS 11 Part 101-2559

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



CABLE STRUCTURE

- Conductor** : Flexible annealed copper,
Multi-cores : Size 1 mm² up to 35 mm²
- Ground wire** : Flexible annealed copper,
Multi-cores : Size 1 mm² up to 16 mm²
- Insulation** : Polyvinyl chloride (PVC/D)
- Core identification**
- 2 Cores : Blue and Brown
 - 3 Cores : Brown, Black and Grey
 - 4 Cores : Blue, Brown, Black and Grey
 - Ground core : Green/Yellow
- Sheath** : Black polyvinyl chloride (PVC/ST5)

TECHNICAL DATA

- Classification** : Maximum conductor temperature 70 °C
: Circuit voltage not exceeding 450/750 Volts
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 core	Nominal cross sectional area (mm ²)	Dia of wires (mm) (Max.)	Diameter of conductor (mm) (Approx.)	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter maximum (mm)	Insulation resistance at 70°C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
4+G	1	0.21	1.31	0.8	1.6	13.0	0.0127	10	200	100/C
	1 (G)	0.21	1.31	0.8						
	1.5	0.26	1.58	0.8	1.6	14.0	0.0111	16	240	100/C
	1.5 (G)	0.26	1.58	0.8						
	2.5	0.26	2.04	0.8	1.6	15.5	0.0092	20	310	100/C
	2.5 (G)	0.26	2.04	0.8						
	4	0.31	2.59	0.9	1.8	18.5	0.0084	26	460	100/C
	4 (G)	0.31	2.59	0.9						
	6	0.31	3.60	0.9	2.0	21.5	0.0071	34	650	100/C
	6 (G)	0.31	3.60	0.9						
	10	0.41	4.79	1.1	2.2	26.5	0.0068	47	1,030	500/D
	10 (G)	0.41	4.79	1.1						
	16	0.41	5.88	1.1	2.6	30.5	0.0050	63	1,480	500/D
	16 (G)	0.41	5.88	1.1						
	25	0.41	7.32	1.3	2.8	36.5	0.0048	83	2,050	500/D
	16 (G)	0.41	5.88	1.1						
	35	0.41	8.61	1.3	3.1	41.5	0.0041	102	2,630	500/D
	16 (G)	0.41	5.88	1.1						

Class of conductor 5 : Flexible

G : Ground conductor

C : Packing in coil

D : Packing in drum