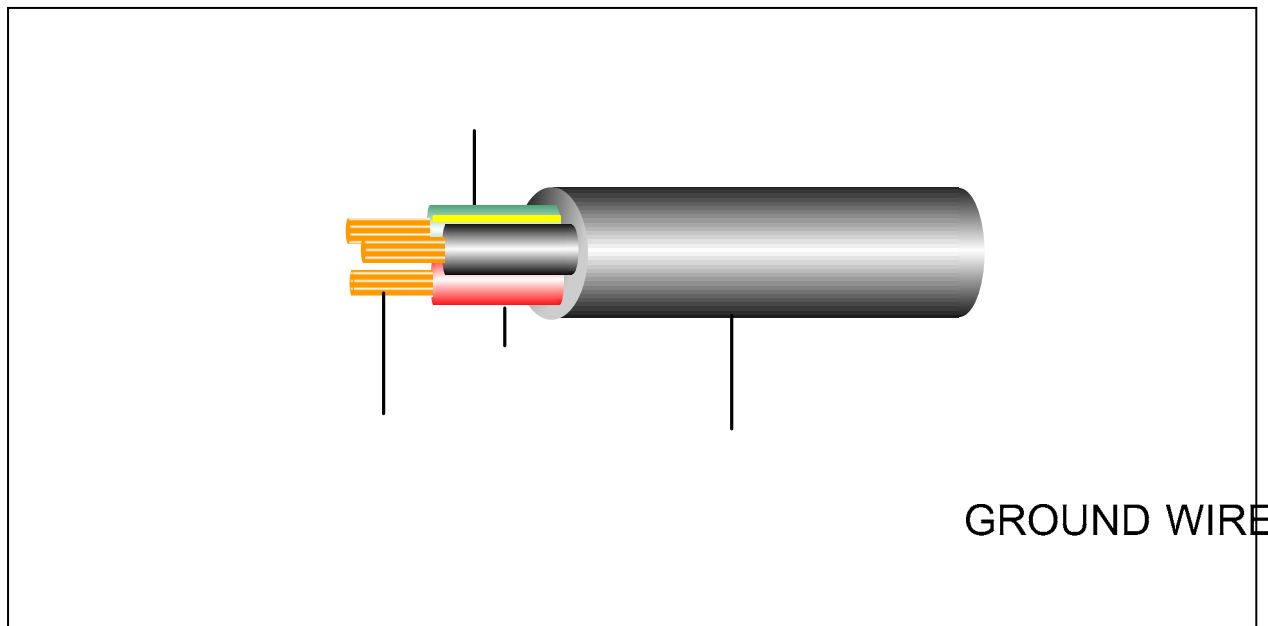


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# VCT-GRD

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750 V 70 °C PVC INSULATED AND SHEATHED FLEXIBLE CONDUCTOR WITH GROUND



## CABLE STRUCTURE

**NUMBER OF CORE CONDUCTOR** : 2 up to 4 phase cores with ground core

: Flexible annealed copper wires,  
sizes 1 mm<sup>2</sup> up to 35 mm<sup>2</sup>  
Ground conductor size 1 mm<sup>2</sup> up to 10 mm<sup>2</sup>

**INSULATION**

: PVC

Color : 2 cores – Light gray and Black

3 cores – Light gray, Black and Red

4 cores - Light gray, Black, Red and Blue

**SHEATH**

: PVC

Color: White

**CLASSIFICATION**

: Maximum conductor temperature 70 °C

Circuit voltage not exceeding 750 volts

**TESTING VOLTAGE**

: 2,500 volts

**REFERENCE**

: TIS 11-2531, Table 15

INSULATION

CONDUCTOR



# VCT - GRD

TIS 11-2531  
TABLE 12

Number of core	Nominal cross section area (mm <sup>2</sup> )	Number and diameter of wire (No./mm)	Insulation thickness (mm)	Nominal cross sectional area of ground conductor (mm <sup>2</sup> )	Ground insulation thickness (mm)	Sheath thickness (mm)	Max. Overall diameter (mm)	Minimum insulation resistance at 70 °C (MΩ-Km)	Minimum continuous current rating in free air (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
2	1	32/0.20	0.8	1	0.6	1.2	10.5	0.0127	14	100	100/C
	1.5	30/0.25	0.8	1	0.6	1.4	11.5	0.0111	18	130	100/C
	2.5	50/0.25	0.8	1.5	0.6	1.4	13.0	0.0092	24	170	100/C
	4	56/0.30	0.9	2.5	0.6	1.6	15.5	0.0084	33	240	100/C
	6	84/0.30	0.9	4	0.6	1.6	17.0	0.0071	42	330	100/C
	10	84/0.30	1.1	4	0.6	1.8	20.0	0.0068	60	550	500/D
	16	126/0.40	1.1	6	0.6	2.2	23.0	0.0050	80	750	500/D
	25	196/0.40	1.3	6	0.6	2.4	27.5	0.0048	104	1,100	500/D
35	280/0.40	1.3	10	0.6	2.6	31.0	0.0041	130	1,500	500/D	
3	1	32/0.20	0.8	1	0.6	1.4	11.5	0.0127	12	130	100/C
	1.5	30/0.25	0.8	1	0.6	1.4	12.5	0.0111	15	160	100/C
	2.5	50/0.25	0.8	1.5	0.6	1.4	14.5	0.0092	20	210	100/C
	4	56/0.30	0.9	2.5	0.6	1.6	17.0	0.0084	27	310	100/C
	6	84/0.30	0.9	4	0.6	1.8	19.0	0.0071	35	440	100/C
	10	84/0.30	1.1	4	0.6	2.0	23.5	0.0068	51	650	500/D
	16	126/0.40	1.1	6	0.6	2.4	27.5	0.0050	67	950	500/D
	25	196/0.40	1.3	6	0.6	2.6	32.5	0.0048	87	1,400	500/D
35	280/0.40	1.3	10	0.6	2.8	36.5	0.0041	108	1,800	500/D	
4	1	32/0.20	0.8	1	0.6	1.6	13.0	0.0127	11	180	100/C
	1.5	30/0.25	0.8	1	0.6	1.6	13.5	0.0111	13	210	100/C
	2.5	50/0.25	0.8	1.5	0.6	1.6	16.0	0.0092	18	270	100/C
	4	56/0.30	0.9	2.5	0.6	1.8	18.5	0.0084	25	400	100/C
	6	84/0.30	0.9	4	0.6	2.0	21.0	0.0071	32	550	500/D
	10	84/0.30	1.1	4	0.6	2.2	26.0	0.0068	46	900	500/D
	16	126/0.40	1.1	6	0.6	2.6	30.5	0.0050	60	1,200	500/D
	25	196/0.40	1.3	6	0.6	2.8	36.0	0.0048	78	1,700	500/D
35	280/0.40	1.3	10	0.6	3.1	40.5	0.0041	97	2,400	500/D	

TISI permitted to increase the maximum overall diameter by 5 %  
D : Packing in drum.

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