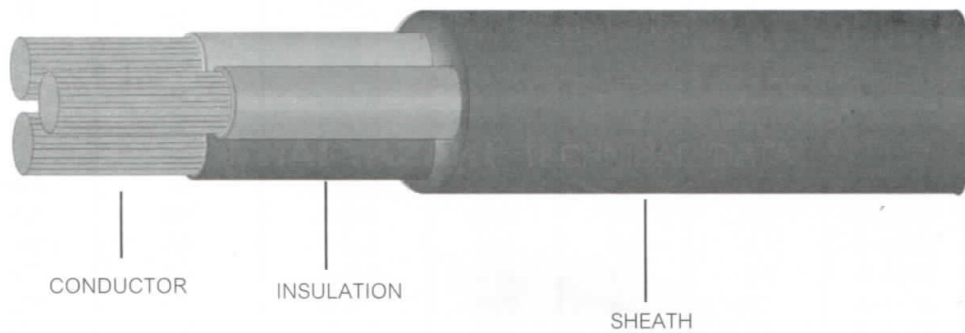


## 750V 70°C PVC INSULATED AND SHEATHED FLEXIBLE CABLE



## CABLE STRUCTURE

NUMBER OF CORE	:	Up to 4 cores
CONDUCTOR	:	Flexible annealed copper wire
		Sizes. 0.5 mm <sup>2</sup> up to 95 mm <sup>2</sup> for single core
		0.5 mm <sup>2</sup> up to 35 mm <sup>2</sup> for multi core
INSULATION	:	PVC
		Color : Single core -Black
		2 cores- Light gray, Black
		3 cores- Light gray, Black and Red
		4 cores- Light gray, Black, Red and Blue
SHEATH	:	PVC
		Color : Black
CLASSIFICATION	:	Maximum conductor temperature 70°C
		Circuit voltage not exceeding 750 volts
TESTING VOLTAGE	:	2,500 volts
REFERENCE	:	TIS 11-2531, Table 9

# VCT

TIS 11-2531  
TABLE 9

Number of core	Nominal cross sectional area (mm <sup>2</sup> )	Number and diameter of wire (No./mm)	Insulation thickness (mm)	Sheath thickness (mm)	Max. Overall diameter (mm)	Minimum insulation resistance at 70 °C (MΩ-km)	Maximum continuous current rating in free air (Ampere)	Cable weight (approx.) (kg/km)	Standard length (m)	
1	0.5	16/0.20	0.8	1.0	5.4	0.0160	10	28	100/C	
	0.75	24/0.20	0.8	1.0	5.6	0.0140	13	32	100/C	
	1	32/0.20	0.8	1.2	6.2	0.0127	15	40	100/C	
	1.5	30/0.25	0.8	1.2	6.6	0.0111	19	47	100/C	
	2.5	50/0.25	0.8	1.2	7.4	0.0092	27	60	100/C	
	4	56/0.30	0.9	1.4	8.6	0.0084	36	85	100/C	
	6	84/0.30	0.9	1.4	9.4	0.0071	46	120	100/C	
	10	80/0.40	1.1	1.8	12.0	0.0068	67	200	100/C	
	16	126/0.40	1.1	1.8	13.5	0.0050	88	270	100/C	
	25	196/0.40	1.3	2.2	16.0	0.0048	116	400	100/C	
	35	280/0.40	1.3	2.2	17.5	0.0041	145	550	500/D	
	50	399/0.40	1.5	2.6	21.0	0.0040	181	750	500/D	
	70	361/0.50	1.5	2.6	23.0	0.0034	226	950	500/D	
95	475/0.50	1.7	3.0	26.5	0.0034	268	1,300	500/D		
2	0.5	16/0.20	0.8	1.2	8.8	0.0160	9	75	100/C	
	0.75	24/0.20	0.8	1.2	9.2	0.0140	12	85	100/C	
	1	32/0.20	0.8	1.2	9.6	0.0127	14	95	100/C	
	1.5	30/0.25	0.8	1.4	11.0	0.0111	18	120	100/C	
	2.5	50/0.25	0.8	1.4	12.5	0.0092	24	160	100/C	
	4	56/0.30	0.9	1.6	14.5	0.0084	33	230	100/C	
	6	84/0.30	0.9	1.6	16.0	0.0071	42	300	100/C	
	10	80/0.40	1.1	1.8	20.0	0.0068	60	500	500/D	
	16	126/0.40	1.1	2.2	23.0	0.0050	80	700	500/D	
	25	196/0.40	1.3	2.4	27.5	0.0048	104	1,000	500/D	
	35	280/0.40	1.3	2.6	31.0	0.0041	130	1,400	500/D	
	3	0.5	16/0.20	0.8	1.2	9.2	0.0160	8	85	100/C
		0.75	24/0.20	0.8	1.2	9.6	0.0140	10	100	100/C
1		32/0.20	0.8	1.4	10.5	0.0127	12	120	100/C	
1.5		30/0.25	0.8	1.4	11.5	0.0111	15	140	100/C	
2.5		50/0.25	0.8	1.4	13.0	0.0092	20	190	100/C	
4		56/0.30	0.9	1.6	15.5	0.0084	27	270	100/C	
6		84/0.30	0.9	1.8	17.5	0.0071	35	390	100/C	
10		80/0.40	1.1	2.0	21.5	0.0068	51	650	500/D	
16		126/0.40	1.1	2.4	25.0	0.0050	67	900	500/D	
25		196/0.40	1.3	2.6	30.0	0.0048	87	1,300	500/D	
35		280/0.40	1.3	2.8	33.5	0.0041	108	1,700	500/D	
4		0.5	16/0.20	0.8	1.4	10.5	0.0160	7	110	100/C
		0.75	24/0.20	0.8	1.4	11.0	0.0140	9	130	100/C
	1	32/0.20	0.8	1.6	12.0	0.0127	11	150	100/C	
	1.5	30/0.25	0.8	1.6	12.5	0.0111	13	180	100/C	
	2.5	50/0.25	0.8	1.6	15.0	0.0092	18	240	100/C	
	4	56/0.30	0.9	1.8	17.0	0.0084	25	340	100/C	
	6	84/0.30	0.9	2.0	19.5	0.0071	32	500	100/C	
	10	80/0.40	1.1	2.2	24.0	0.0068	46	800	500/D	
	16	126/0.40	1.1	2.6	28.0	0.0050	60	1,100	500/D	
	25	196/0.40	1.3	2.8	33.0	0.0048	78	1,700	500/D	
	35	280/0.40	1.3	3.1	37.0	0.0041	97	2,300	500/D	

TISI permitted to increase the maximum overall diameter by 5%

C : Packing in coil.

D : Packing in drum.