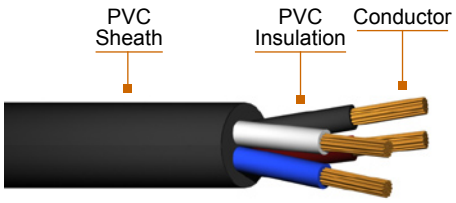
PD-VCT (Table 9 of TIS 11-2531 Standard)

750 V 70°C PVC Insulated and Sheathed, Flexible Four Core



Detail Description or Construction

Conductor

Annealed copper, bunch stranded sizes 0.5 mm² up to 35 mm²

Insulation

Heat resistant Polyvinyl Chloride (Grey, Black, Red and Blue color)

Sheath

Heat resistant Polyvinyl Chloride (Black color)

Application

For mobile-electrical equipment used in mines, factories, farm or house hold appliances. This cable is particularly suitable for use in chemical factories or in places where cables come in contact with oils. Maximum conductor temperature 70°C, circuit voltage does not exceed 750 volts.

Standards / Testing Specifications

PD-VCT meets or exceeds applicable TIS 11-2531 standards and requirements of Thai Industrial Standard.

Marking

PHELPS DODGE 4x(SIZE) SQ.MM. PD-VCT 750V PVC 70°C TIS 11-2531 TABLE 9.

Installation

For installation exposed, or in raceway or in underground conduit.

PD-VCT (Table 9 of TIS 11-2531 Standard)

750 V 70°C PVC Insulated and Sheathed, Flexible Four Core

PHELPS DODGE TYPE LETTER		Nominal Sectional Area	Min. Number & Max. Diameter of Wire	Thickness of Insulation	Thickness of Sheath	Overall Diameter	Allowable Ampacities Free Air @ 40°C	Minimum Insulation Resistance @ 70°C	Cable Weight (approx)	Standard Packing
		mm^2	No. / mm	mm	mm	mm	A	MΩ - km	kg / km	m
4 x 0.5	PD-VCT	0.5	16/0.21	0.8	1.4	10.5	6.5	0.0160	92	500/R
4 x 0.75	PD-VCT	0.75	24/0.21	0.8	1.4	11.0	9	0.0140	107	500/R
4 x 1	PD-VCT	1	32/0.21	0.8	1.6	12.0	11.5	0.0127	130	500/R
4 x 1.5	PD-VCT	1.5	30/0.26	0.8	1.6	12.5	15	0.0111	156	500/R
4 x 2.5	PD-VCT	2.5	50/0.26	0.8	1.6	15.0	21	0.0092	219	500/R
4 x 4	PD-VCT	4	56/0.31	0.9	1.8	17.0	28	0.0084	316	500/R
4 x 6	PD-VCT	6	84/0.31	0.9	2.0	19.5	36	0.0071	446	500/R
4 x 10	PD-VCT	10	80/0.41	1.1	2.2	24.0	50	0.0068	703	500/R
4 x 16	PD-VCT	16	126/0.41	1.1	2.6	28.0	66	0.0050	1,015	500/R
4 x 25	PD-VCT	25	196/0.41	1.3	2.8	33.0	84	0.0048	1,498	500/R
4 x 35	PD-VCT	35	276/0.41	1.3	3.1	37.0	104	0.0041	2,007	500/R

C = Packing in coil
R = Packing in reel