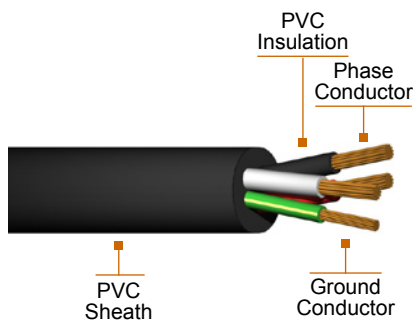


## PD-VCT-G (Table 15 of TIS 11-2531 Standard)

750 V 70°C PVC Insulated and Sheathed, Flexible Three Core with Ground



### Detail Description or Construction

#### Conductor

Annealed copper, bunch stranded  
 sizes 1 mm<sup>2</sup> up to 35 mm<sup>2</sup> (Phase)  
 sizes 1 mm<sup>2</sup> up to 10 mm<sup>2</sup> (Ground)

#### Insulation

Heat resistant polyvinyl chloride  
 (Phase: Grey, Black and Red color,  
 Ground: Green with Yellow Stripe color)

#### Sheath

Heat resistant polyvinyl chloride  
 (Black color)

### Application

For mobile-electrical equipment used in mines, factories, farm or house hold appliances. Also for heavy-duty services such as heavy tools, garage portable lights and battery chargers.

Maximum conductor temperature 70°C, circuit voltage does not exceed 750 volts.

### Standards / Testing Specifications

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

### Marking

PHELPS DODGE 3x(PHASE SIZE)/  
 (GROUND SIZE) SQ.MM. PD-VCT-G  
 750V PVC 70°C ⊕ TIS 11-2531 TABLE 15.

### Installation

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



## PD-VCT-G (Table 15 of TIS 11-2531 Standard)

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PHELPS DODGE TYPE LETTER	Phase Core			Ground Core		
	Nominal Sectional Area	Min. Number & Max. Diameter of Wire	Thickness of Insulation	Nominal Sectional Area	Min. Number & Max. Diameter of Wire	Thickness of Insulation
	mm <sup>2</sup>	No. / mm	mm	mm <sup>2</sup>	No. / mm	mm
3x1/1 PD-VCT-G	1	32/0.21	0.8	1	32/0.21	0.6
3x1.5/1 PD-VCT-G	1.5	30/0.26	0.8	1	32/0.21	0.6
3x2.5/1.5 PD-VCT-G	2.5	50/0.26	0.8	1.5	30/0.26	0.6
3x4/2.5 PD-VCT-G	4	56/0.31	0.9	2.5	50/0.26	0.6
3x6/4 PD-VCT-G	6	84/0.31	0.9	4	56/0.31	0.6
3x10/4 PD-VCT-G	10	80/0.41	1.1	4	56/0.31	0.6
3x16/6 PD-VCT-G	16	126/0.41	1.1	6	84/0.31	0.6
3x25/6 PD-VCT-G	25	196/0.41	1.3	6	84/0.31	0.6
3x35/10 PD-VCT-G	35	276/0.41	1.3	10	80/0.41	0.6

C = Packing in coil  
R = Packing in reel



## PD-VCT-G (Table 15 of TIS 11-2531 Standard)

750 V 70°C PVC Insulated and Sheathed, Flexible Three Core with Ground

PHELPS DODGE TYPE LETTER	Thickness of Sheath	Overall Diameter	Allowable Ampacities Free Air 40°C	Minimum Insulation Resistance @ 70°C	Cable Weight (approx)	Standard Packing
	mm	mm	A	MΩ - km	kg / km	m
3x1/1 PD-VCT-G	1.4	11.5	11.5	0.0127	140	500/R
3x1.5/1 PD-VCT-G	1.4	12.5	15	0.0111	160	500/R
3x2.5/1.5 PD-VCT-G	1.4	14.5	21	0.0092	210	500/R
3x4/2.5 PD-VCT-G	1.6	17.0	28	0.0084	310	500/R
3x6/4 PD-VCT-G	1.8	19.0	36	0.0071	420	500/R
3x10/4 PD-VCT-G	2.0	23.5	50	0.0068	680	500/R
3x16/6 PD-VCT-G	2.4	27.5	66	0.0050	950	500/R
3x25/6 PD-VCT-G	2.6	32.5	84	0.0048	1,350	500/R
3x35/10 PD-VCT-G	2.8	36.5	104	0.0041	1,860	500/R

C = Packing in coil  
R = Packing in reel