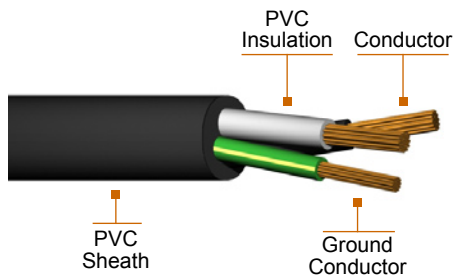


PD-VCT-G (Table 15 of TIS 11-2531 Standard)

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



Detail Description or Construction

Conductor

Annealed copper, bunch stranded sizes 1 mm² up to 35 mm² (Phase) sizes 1 mm² up to 10 mm² (Ground)

Insulation

Heat resistant polyvinyl chloride (Phase: Grey and Black 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 2x(PHASE SIZE)/(GROUND SIZE) SQ.MM. PD-VCT-G 750 V PVC 70°C ⊕ TIS 11-2531 TABLE 15.

Installation

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



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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 ² | No. / mm | mm | mm ² | No. / mm | mm |
| 2x1/1 PD-VCT-G | 1 | 32/0.21 | 0.8 | 1 | 32/0.21 | 0.6 |
| 2x1.5/1 PD-VCT-G | 1.5 | 30/0.26 | 0.8 | 1 | 32/0.21 | 0.6 |
| 2x2.5/1.5PD-VCT-G | 2.5 | 50/0.26 | 0.8 | 1.5 | 30/0.26 | 0.6 |
| 2x4/2.5 PD-VCT-G | 4 | 56/0.31 | 0.9 | 2.5 | 50/0.26 | 0.6 |
| 2x6/4 PD-VCT-G | 6 | 84/0.31 | 0.9 | 4 | 56/0.31 | 0.6 |
| 2x10/4 PD-VCT-G | 10 | 80/0.41 | 1.1 | 4 | 56/0.31 | 0.6 |
| 2x16/6 PD-VCT-G | 16 | 126/0.41 | 1.1 | 6 | 84/0.31 | 0.6 |
| 2x25/6 PD-VCT-G | 25 | 196/0.41 | 1.3 | 6 | 84/0.31 | 0.6 |
| 2x35/10 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 Two 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 |
| 2x1/1 PD-VCT-G | 1.2 | 10.5 | 13 | 0.0127 | 110 | 500/R |
| 2x1.5/1 PD-VCT-G | 1.4 | 11.5 | 17 | 0.0111 | 130 | 500/R |
| 2x2.5/1.5 PD-VCT-G | 1.4 | 13.0 | 23 | 0.0092 | 170 | 500/R |
| 2x4/2.5 PD-VCT-G | 1.6 | 15.5 | 30 | 0.0084 | 250 | 500/R |
| 2x6/4 PD-VCT-G | 1.6 | 17.0 | 40 | 0.0071 | 320 | 500/R |
| 2x10/4 PD-VCT-G | 1.8 | 20.0 | 55 | 0.0068 | 520 | 500/R |
| 2x16/6 PD-VCT-G | 2.2 | 23.0 | 74 | 0.0050 | 730 | 500/R |
| 2x25/6 PD-VCT-G | 2.4 | 27.5 | 97 | 0.0048 | 1,030 | 500/R |
| 2x35/10 PD-VCT-G | 2.6 | 31.0 | 120 | 0.0041 | 1,410 | 500/R |

C = Packing in coil
R = Packing in reel