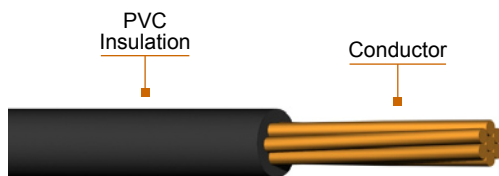


## PD-IV (Table 1 of TIS 11-2531 Standard)

300 V 70°C PVC Insulated, Single Core



### Detail Description or Construction

#### Conductor

Annealed copper, solid or stranded  
sizes 0.5 mm<sup>2</sup> up to 150 mm<sup>2</sup>

#### Insulation

Polyvinyl Chloride

### Application

Residential wiring, maximum conductor  
temperature 70°C, circuit voltage does not  
exceed 300 volts.

### Standards / Testing Specifications

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

### Marking

PHELPS DODGE 1x(SIZE) SQ.MM.  
PD-IV 300V PVC 70°C  TIS 11-2531  
TABLE 1.

### Installation

For installation on insulator or in raceway,  
dry and wet location.



## PD-IV (Table 1 of TIS 11-2531 Standard)

300 V 70°C PVC Insulated, Single Core

PHELPS DODGE TYPE LETTER	Nominal Sectional Area	Number & Diameter of Wire	Thickness of Insulation	Overall Diameter	Allowable Ampacities in Free Air @ 40°C	Minimum Insulation Resistance @ 70°C	Cable Weight (approx)	Standard Packing
	mm <sup>2</sup>	No. / mm	mm	mm	A	MΩ - km	kg / km	m
0.5 PD-IV	0.5	1/0.80	0.6	2.6	9	0.0146	8.5	100/C
1 PD-IV	1	1/1.13	0.6	2.9	14	0.0115	14	100/C
1 PD-IV	1	7/0.40	0.6	3.1	14	0.0110	14	100/C
1.5 PD-IV	1.5	1/1.38	0.6	3.2	18	0.0100	19	100/C
1.5 PD-IV	1.5	7/0.50	0.6	3.4	18	0.0094	19	100/C
2.5 PD-IV	2.5	1/1.78	0.7	3.8	25	0.0092	31	100/C
2.5 PD-IV	2.5	7/0.67	0.7	4.1	25	0.0084	31	100/C
4 PD-IV	4	1/2.25	0.8	4.5	34	0.0086	48	100/C
4 PD-IV	4	7/0.85	0.8	4.9	34	0.0078	48	100/C
6 PD-IV	6	7/1.04	0.8	5.6	44	0.0066	70	100/C
10 PD-IV	10	7/1.35	1.0	7.0	62	0.0064	120	100/C
16 PD-IV	16	7/1.70	1.0	8.2	84	0.0053	180	100/C
25 PD-IV	25	7/2.14	1.2	10	113	0.0051	280	100/C
35 PD-IV	35	19/1.53	1.2	11.5	141	0.0043	380	100/C
50 PD-IV	50	19/1.78	1.4	13.0	171	0.0044	530	500/R
70 PD-IV	70	19/2.14	1.4	15.0	221	0.0037	720	500/R
95 PD-IV	95	19/2.52	1.6	17.5	271	0.0036	990	500/R
120 PD-IV	120	37/2.03	1.6	19.0	315	0.0032	1,230	500/R
150 PD-IV	150	37/2.25	1.8	21.5	365	0.0033	1,510	500/R

C = Packing in coil  
R = Packing in reel