

## 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.

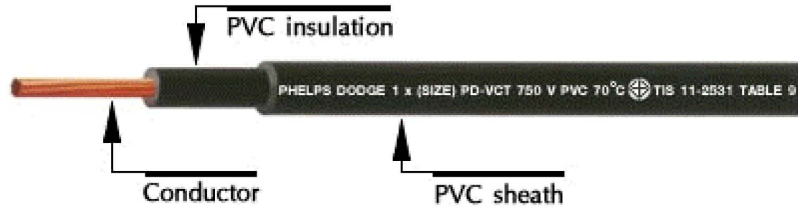
## Classification :

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

## Equivalent :

TIS 11-2531 TABLE 9

## PHELPS DODGE CONDUCTOR TYPE PD-VCT 750 V 70°C PVC INSULATED AND SHEATHED, FLEXIBLE SINGLE CORE



## Construction :

- Conductor : Annealed copper, bunch stranded sizes 0.5 mm<sup>2</sup> up to 95 mm<sup>2</sup>
- Insulation : Heat resistance polyvinyl chloride (Black colour)
- Sheath : Heat resistance polyvinyl chloride (Black colour)

PHELPS DODGE TYPE LETTER	Nominal sectional area mm <sup>2</sup>	Min. Number & Max. diameter of wire No. / mm	Thickness of insulation mm	Thickness of sheath mm	Overall diameter mm	Allowable ampacities Free Air 40°C A	Minimum insulation resistance at 70°C MΩ - km	Cable weight (approx) kg / km	Standard Packing m
0.5 PD-VCT	0.5	16/0.21	0.8	1.0	5.4	11	0.0160	27	500/R
0.75 PD-VCT	0.75	24/0.21	0.8	1.0	5.6	14	0.0140	31	500/R
1 PD-VCT	1	32/0.21	0.8	1.2	6.2	16	0.0127	39	500/R
1.5 PD-VCT	1.5	30/0.26	0.8	1.2	6.6	21	0.0111	46	500/R
2.5 PD-VCT	2.5	50/0.26	0.8	1.2	7.4	29	0.0092	59	500/R
4 PD-VCT	4	56/0.31	0.9	1.4	8.6	39	0.0084	87	500/R
6 PD-VCT	6	84/0.31	0.9	1.4	9.4	51	0.0071	114	500/R
10 PD-VCT	10	80/0.41	1.1	1.8	12.0	70	0.0068	190	500/R
16 PD-VCT	16	126/0.41	1.1	1.8	13.5	96	0.0050	256	500/R
25 PD-VCT	25	196/0.41	1.3	2.2	16.0	127	0.0048	391	500/R
35 PD-VCT	35	276/0.41	1.3	2.2	17.5	157	0.0041	504	500/R
50 PD-VCT	50	396/0.41	1.5	2.6	21.0	191	0.0040	770	500/R
70 PD-VCT	70	360/0.51	1.5	2.6	23.0	244	0.0034	974	500/R
95 PD-VCT	95	475/0.51	1.7	3.0	26.5	297	0.0034	1,242	500/R

C = Packing in coil  
R = Packing in reel

### 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.

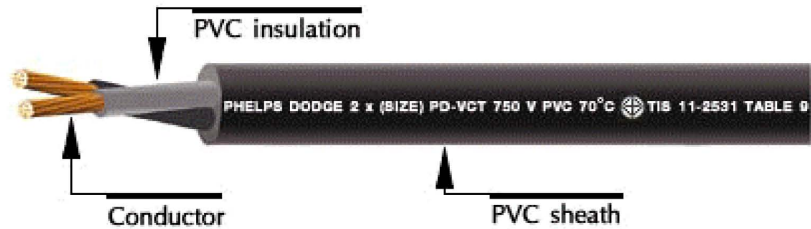
### Classification :

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

### Equivalent :

TIS 11-2531 TABLE 9

## PHELPS DODGE CONDUCTOR TYPE PD-VCT 750 V 70°C PVC INSULATED AND SHEATHED, FLEXIBLE TWO CORE



### Construction :

- Conductor : Annealed copper, bunch stranded sizes 0.5 mm<sup>2</sup> up to 35 mm<sup>2</sup>
- Insulation : Heat resistance polyvinyl chloride (Gray and Black colour)
- Sheath : Heat resistance polyvinyl chloride (Black colour)

PHELPS DODGE TYPE LETTER	Nominal sectional area mm <sup>2</sup>	Min. Number & Max. diameter of wire No. / mm	Thickness of insulation mm	Thickness of sheath mm	Overall diameter mm	Allowable ampacities Free Air 40°C A	Minimum insulation resistance at 70°C MΩ - km	Cable weight (approx) kg / km	Standard Packing m
2 x 0.5 PD-VCT	0.5	16/0.21	0.8	1.2	8.8	8	0.0160	56	500/R
2 x 0.75 PD-VCT	0.75	24/0.21	0.8	1.2	9.2	11	0.0140	65	500/R
2 x 1 PD-VCT	1	32/0.21	0.8	1.2	9.6	13	0.0127	72	500/R
2 x 1.5 PD-VCT	1.5	30/0.26	0.8	1.4	11.0	17	0.0111	94	500/R
2 x 2.5 PD-VCT	2.5	50/0.26	0.8	1.4	12.5	23	0.0092	133	500/R
2 x 4 PD-VCT	4	56/0.31	0.9	1.6	14.5	30	0.0084	199	500/R
2 x 6 PD-VCT	6	84/0.31	0.9	1.6	16.0	40	0.0071	256	500/R
2 x 10 PD-VCT	10	80/0.41	1.1	1.8	20.0	55	0.0068	401	500/R
2 x 16 PD-VCT	16	126/0.41	1.1	2.2	23.0	74	0.0050	581	500/R
2 x 25 PD-VCT	25	196/0.41	1.3	2.4	27.5	97	0.0048	862	500/R
2 x 35 PD-VCT	35	276/0.41	1.3	2.6	31.0	120	0.0041	1,138	500/R

C = Packing in coil  
R = Packing in reel

### Application :

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

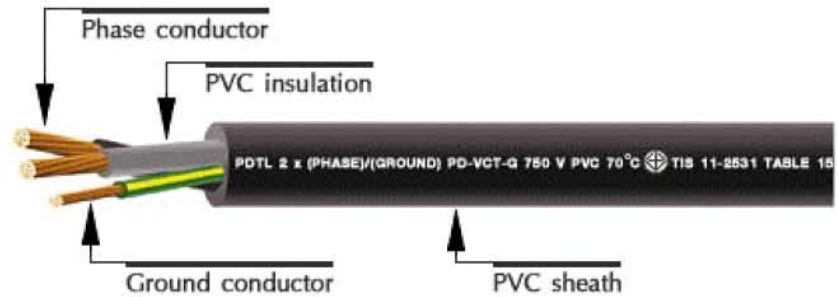
### Classification :

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

### Equivalent :

TIS 11-2531 TABLE 15

## HELPS DODGE CONDUCTOR TYPE PD-VCT-G 750 V 70°C PVC INSULATED AND SHEATHED, FLEXIBLE TWO CORE WITH GROUND



### Construction :

- Conductor : Annealed copper, bunch or 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 resistance polyvinyl chloride (Gray and Black colour) Phase, (Green with Yellow Stripe colour) Ground
- Sheath : Heat resistance polyvinyl chloride (Black colour)

HELPS DODGE TYPE LETTER	Nominal sectional area mm <sup>2</sup>	Phase core Min. Number & Max. diameter of wire No. / mm	Thickness of insulation mm	Nominal sectional area mm <sup>2</sup>	Ground core Min. Number & Max. diameter of wire No. / mm	Thickness of insulation mm	Thickness of sheath mm	Overall diameter mm	Allowable ampacities Free Air 40°C A	Minimum insulation resistance at 70°C MΩ - km	Cable weight (approx) kg / km	Standard Packing m
2x1/1 PD-VCT-G	1	32/0.21	0.8	1	32/0.21	0.6	1.2	10.5	13	0.0127	110	500/R
2x1.5/1 PD-VCT-G	1.5	30/0.26	0.8	1	32/0.21	0.6	1.4	11.5	17	0.0111	130	500/R
2x2.5/1.5 PD-VCT-G	2.5	50/0.26	0.8	1.5	30/0.26	0.6	1.4	13.0	23	0.0092	170	500/R
2x4/2.5 PD-VCT-G	4	56/0.31	0.9	2.5	50/0.26	0.6	1.6	15.5	30	0.0084	250	500/R
2x6/4 PD-VCT-G	6	84/0.31	0.9	4	56/0.31	0.6	1.6	17.0	40	0.0071	320	500/R
2x10/4 PD-VCT-G	10	80/0.41	1.1	4	56/0.31	0.6	1.8	20.0	55	0.0068	520	500/R
2x16/6 PD-VCT-G	16	126/0.41	1.1	6	84/0.31	0.6	2.2	23.0	74	0.0050	730	500/R
2x25/6 PD-VCT-G	25	196/0.41	1.3	6	84/0.31	0.6	2.4	27.5	97	0.0048	1,030	500/R
2x35/10 PD-VCT-G	35	276/0.41	1.3	10	80/0.41	0.6	2.6	31.0	120	0.0041	1,410	500/R

C = Packing in coil  
R = Packing in reel