

## PVC INSULATED AND PVC SHEATHED SINGLE CORE, FLAT TWO AND THREE CORE CABLE VOLTAGE RATING : 300/500 V

- ➔ PVC Type            TI-1 for Insulation and TM-1 for Sheath
- ➔ Specification        BS 6004
- ➔ Conductor            Solid or Stranded copper Class 1 or 2 as per IEC 60228
- ➔ Application            Mainly for domestic and industrial wiring where there is little risk of mechanical damage.

Nominal Cross Sectional Area of Conductor	Class of Conductor	Radial Thickness of Insulation	Radial Thickness of Sheath	Overall Diameter		Approximate Cable Weight
				Lower Limit	Upper Limit	
mm <sup>2</sup>		mm	mm	mm		Kg./Km.

### ONE CORE - 6181 Y

1.0	1	0.6	0.80	3.7	4.5	27
1.5	1	0.7	0.80	4.2	5.0	35
2.5	1	0.8	0.80	4.8	5.7	50
4.0	2	0.8	0.90	5.5	6.7	70
6.0	2	0.8	0.90	6.0	7.3	90
10	2	1.0	0.90	7.3	8.8	138
16	2	1.0	1.00	8.4	10.1	200
25	2	1.2	1.10	10.0	12.1	300
35	2	1.2	1.10	11.1	13.5	395

### TWO CORE - 6192 Y

1.0	1	0.6	0.9	3.9 x 6.1	4.8 x 7.4	55
1.5	1	0.7	0.9	4.4 x 7.0	5.3 x 8.5	72
2.5	1	0.8	1.0	5.1 x 8.4	6.2 x 10.1	106
4.0	2	0.8	1.0	5.7 x 9.5	6.9 x 11.5	165
6.0	2	0.8	1.1	6.4 x 10.8	7.8 x 13.0	225
10	2	1.0	1.2	7.9 x 13.4	9.5 x 16.2	335
16	2	1.0	1.3	8.9 x 15.4	10.8 x 18.6	490

### THREE CORE - 6193 Y

1.0	1	0.6	0.9	3.9 x 8.4	4.8 x 10.1	78
1.5	1	0.7	0.9	4.4 x 9.6	5.3 x 11.7	102
2.5	1	0.8	1.0	5.1 x 11.6	6.2 x 14.0	150
4.0	2	0.8	1.1	5.9 x 13.5	7.1 x 16.3	240
6.0	2	0.8	1.1	6.4 x 15.1	7.8 x 18.2	321
10	2	1.0	1.2	7.9 x 19.0	9.5 x 23.0	515
16	2	1.0	1.3	8.9 x 21.8	10.8 x 26.3	730

## PVC INSULATED AND PVC SHEATH TWO CORE AND THREE CORE CABLE WITH CIRCUIT PROTECTIVE CONDUCTOR (CPC) VOLTAGE RATING : 300/500 V

- ➡ PVC Type     TI-1 for Insulation and TM-1 for Sheath
- ➡ Specification    BS 6004
- ➡ Conductor     Solid or stranded copper class 1 or 2 as per IEC 60228
- ➡ Application    Mainly for domestic and industrial wiring where there is little risk of mechanical damage

Nominal Cross Sectional Area of Conductor	Class of Conductor	Radial Thickness of Insulation	Radial Thickness of Sheath	Overall Diameter		CIRCUIT PROTECTING Conductor Sectional Area	Class of CPC	Approximate Cable Weight
				Lower Limit	Upper Limit			
mm <sup>2</sup>		mm	mm	mm		mm <sup>2</sup>		Kg/Km

### TWO CORE 6242 Y

1.0	1	0.6	0.9	3.9 x 7.2	4.8 x 8.7	1.0	1	70
1.5	1	0.7	0.9	4.4 x 8.1	5.3 x 9.7	1.0	1	87
2.5	1	0.8	1.0	5.1 x 9.6	6.2 x 11.7	1.5	1	130
4.0	2	0.8	1.0	5.7 x 10.8	6.9 x 13.1	1.5	1	190
6.0	2	0.8	1.1	6.4 x 12.4	7.8 x 15.0	2.5	1	260
10	2	1.0	1.2	7.9 x 15.6	9.5 x 18.9	4.0	2	425
16	2	1.0	1.3	8.9 x 18.1	10.8 x 21.9	6.0	2	590

### THREE CORE 6243 Y

1.0	1	0.6	0.9	3.9 x 9.4	4.8 x 11.4	1.0	1	82
1.5	1	0.7	0.9	4.4 x 10.7	5.3 x 12.9	1.0	1	108
2.5	1	0.8	1.0	5.1 x 12.6	6.2 x 15.3	1.5	1	156
4.0	2	0.8	1.1	5.9 x 14.8	7.1 x 17.9	1.5	1	230
6.0	2	0.8	1.1	6.4 x 16.8	7.8 x 20.2	2.5	1	315
10	2	1.0	1.2	7.9 x 21.3	9.5 x 25.7	4.0	2	510
16	2	1.0	1.3	8.9 x 24.6	10.8 x 29.7	6.0	2	710