



### V90 PVC Ordinary Duty Flexible Cord, 250/400V

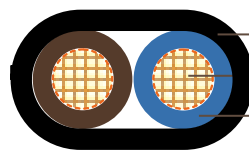
#### Application

These cables are suitable for installation in dry applications only, in conduit or enclosures, such as switchboards, control panels, appliances and electrical equipment. such as radios, desk lamps and office machines, etc. Also they are used for extension leads in sizes 1 mm<sup>2</sup> and above. Multicore cords containing an E core are suitable for a number of applications in dry and damp conditions, such as domestic appliances (washing machines, dishwashers). Leads for industrial and office equipment requiring a three-phase supply and an earth connection.

#### Standard

AS/NZS 3191

AS/NZS 1125

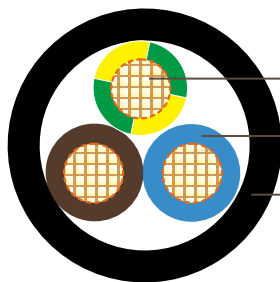


PVC outer jacket

Annealed copper conductor

PVC insulation

#### Cable Construction



Annealed copper conductor

PVC insulation

PVC outer jacket

**Conductor** :Annealed copper conductor to AS/NZS 1125

Maximum continuous operating temperature: 90°C

**Insulation** :V-90 PVC

**Colours:** 1C - Red, White, Light Blue, Black

2C - Brown, Light Blue

3C - Brown, Light Blue, Green/Yellow

4C - Brown, Light Blue, White, Green/Yellow

5C - Brown, Light Blue, Orange, White, Green/Yellow

**Sheath:** 5V-90 PVC

**Colours:** Grey, White, Black, Orange



### Technical Characteristics

Conductor Size mm <sup>2</sup>	Current Carrying Capacity A	Max. DC Resistance Ohm/km @ 20 °C	Max. AC Resistance Ohm/km @ 90 °C	Single Phase Voltage Drop MV/A.m
0.5	3	39	49.7	99.4
0.75	7.5	26	33.2	66.3
1	10	19.5	24.9	49.8
1.5	16	13.3	17	34
2.5	20	7.98	10.2	20.3
4	25	4.95	6.31	12.6

### Cable Parameter

Conductor Size mm <sup>2</sup>	No.of cores	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal O.D. mm	Approx.cable weight kg/100m
<b>Round</b>					
0.5	1	0.6	-	2.2	0.9
0.75	1	0.6	-	2.4	1.2
1.0	1	0.6	-	2.5	1.5
1.5	1	0.7	-	3.0	2.1
2.5	1	0.8	-	3.7	3.4
4	1	0.8	-	4.2	4.8
<b>Flat</b>					
0.5	2	0.6	0.8	6.0×3.9	3.6
0.75	2	0.6	0.8	6.4×4.1	4.3
<b>Round</b>					
0.75	2	0.6	0.8	6.4	5.7
1.0	2	0.6	0.8	6.7	6.5
1.5	2	0.7	0.8	7.7	8.9
2.5	2	0.8	1.0	9.4	14
4	2	0.8	1.0	10.5	18
0.75	3	0.6	0.8	6.8	6.8
1.0	3	0.6	0.8	7.1	7.9
1.5	3	0.7	0.9	8.4	11
2.5	3	0.8	1.1	10.2	17
4	3	0.8	1.1	11.4	23
0.75	4	0.6	0.8	7.4	8.2
1.0	4	0.6	0.9	8.0	9.9
1.5	4	0.7	1.0	9.4	14
2.5	4	0.8	1.1	11.2	21
4	4	0.8	1.1	12.5	29
0.75	5	0.6	0.9	8.3	10
1.0	5	0.6	0.9	8.7	12
1.5	5	0.7	1.1	10.5	17
2.5	5	0.8	1.2	12.4	26
4	5	0.8	1.3	14.1	36