



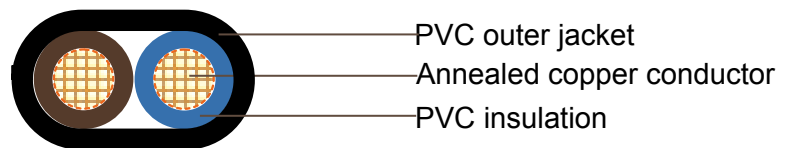
V90 PVC Ordinary Duty Flexible Cord, 250/400V

Application

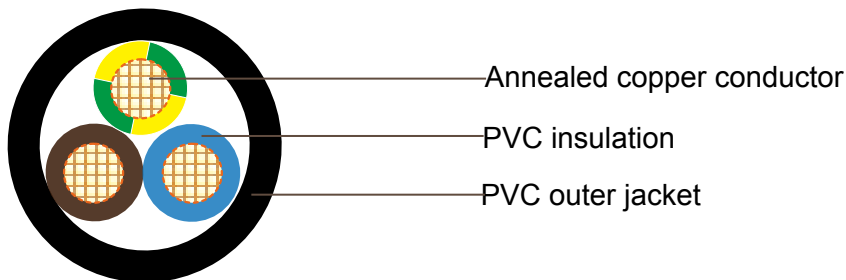
These cables are suitable for installation in dry applications only, in conduit or enclosures, such as switchboards, control panels, appliances and electrical equipment. such as radios, desk lamps and office machines, etc. Also they are used for extension leads in sizes 1 mm² and above. Multicore cords 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



Cable Construction



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 ² | 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 ² | No.of cores | Nominal Insulation Thickness mm | Nominal Sheath Thickness mm | Nominal O.D. mm | Approx.cable weight kg/100m |
|-----------------------------------|-------------|--|--------------------------------------|--------------------|-----------------------------------|
| Round | | | | | |
| 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 |
| Flat | | | | | |
| 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 |
| Round | | | | | |
| 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 |