

**Prima Cable Double Core (Armoured and Unarmoured ) Power Cables with Copper and Aluminium Conductors.**

| Cross-sectional area (sq.mm) | Thickness insulation (mm) | Thickness of Inner Sheath | Thickness of PVC outer Sheath(mm) | Max. Outer Diameter |          | Current Rating (Amps)   |                    |                        |                   |
|------------------------------|---------------------------|---------------------------|-----------------------------------|---------------------|----------|-------------------------|--------------------|------------------------|-------------------|
|                              |                           |                           |                                   |                     |          | Copper                  |                    | Aluminium              |                   |
|                              |                           |                           |                                   | Unarm (mm)          | Arm (mm) | Direct in ground (Amps) | Laid in air (Amps) | Direct in ground(Amps) | Laid in air(Amps) |
| 1.5                          | 0.8                       | 0.3                       | 1.8                               | 10.8                | 13.3     | 23                      | 20                 | 18                     | 16                |
| 2.5                          | 0.9                       | 0.3                       | 1.8                               | 11.9                | 14.5     | 32                      | 27                 | 25                     | 21                |
| 4                            | 1                         | 0.3                       | 1.8                               | 13.3                | 15.9     | 41                      | 35                 | 32                     | 27                |
| 6                            | 1                         | 0.3                       | 1.8                               | 14.3                | 16.9     | 50                      | 45                 | 40                     | 35                |
| 10                           | 1                         | 0.3                       | 1.8                               | 16                  | 18.5     | 70                      | 60                 | 55                     | 47                |
| 16                           | 1                         | 0.3                       | 1.8                               | 16.8                | 19.4     | 90                      | 78                 | 70                     | 59                |
| 25                           | 1.2                       | 0.3                       | 2                                 | 19.6                | 21.5     | 115                     | 105                | 86                     | 75                |
| 35                           | 1.2                       | 0.3                       | 2                                 | 21                  | 23       | 140                     | 125                | 110                    | 99                |
| 50                           | 1.4                       | 0.3                       | 2                                 | 23.7                | 25.5     | 165                     | 155                | 135                    | 125               |
| 70                           | 1.4                       | 0.3                       | 2                                 | 25.7                | 27.5     | 205                     | 195                | 160                    | 150               |
| 95                           | 1.6                       | 0.3                       | 2                                 | 29.5                | 30.9     | 240                     | 230                | 190                    | 185               |
| 120                          | 1.6                       | 0.4                       | 2.2                               | 32                  | 33.2     | 275                     | 265                | 210                    | 210               |
| 150                          | 1.8                       | 0.4                       | 2.2                               | 34.6                | 36.4     | 310                     | 305                | 240                    | 240               |
| 185                          | 2                         | 0.4                       | 2.2                               | 37.9                | 40.1     | 350                     | 350                | 275                    | 275               |
| 240                          | 2.2                       | 0.5                       | 2.4                               | 42.65               | 44.3     | 405                     | 410                | 320                    | 325               |
| 300                          | 2.4                       | 0.5                       | 2.6                               | 46.9                | 48.7     | 450                     | 465                | 355                    | 365               |
| 400                          | 2.6                       | 0.6                       | 2.8                               | 52.4                | 54.1     | 490                     | 530                | 385                    | 420               |
| 500                          | 3                         | 0.6                       | 3                                 | 59.55               | 60       | 550                     | 370                | 430                    | 470               |