



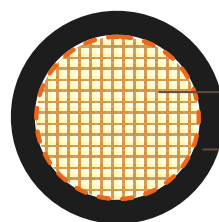
Single Core Flexible Power Cable, 0.6/1kV

Application

These cables are mainly for use in fixed applications.

Standard

AS 5000.1
AS1125
AS3808



Plain copper conductor

PVC insulation

Cable Construction

Conductor: Nominal 0.2mm stranded flexible plain copper wire to AS1125

Insulation: V90HT PVC to AS3808

Colours: Black, Red, Blue, White, Green/Yellow

Technical Characteristics

| Conductor Size mm ² | Electrical Resistance @20.C Ohm/km | Current Rating' AMPS 2 single cores | Voltage Drop mV 1Am at Max operating Temperature | |
|--------------------------------|--|--|--|-------------|
| | | | Single Phase | Three Phase |
| 4 | 4.950 | 40 | 11 .20 | 9.71 |
| 6 | 3.300 | 51 | 7.50 | 6.49 |
| 10 | 1.910 | 69 | 4.45 | 3.86 |
| 16 | 1.210 | 92 | 2.80 | 2.43 |
| 25 | 0.780 | 125 | 1.78 | 1.54 |
| 35 | 0.554 | 155 | 1.29 | 1.12 |
| 50 | 0.386 | 185 | 0.96 | 0.83 |
| 70 | 0.272 | 240 | 0.62 | 0.59 |
| 95 | 0.206 | 295 | 0.51 | 0.44 |
| 120 | 0.161 | 345 | 0.41 | 0.36 |



Cable Parameter

| Conductor Size | No.of cores | Conductor No./ OD | Nominal Insulation Thickness | Nominal O.D. | Approx.cable weight |
|-----------------|-------------|-------------------|------------------------------|--------------|---------------------|
| mm ² | | mm | mm | mm | kg/100m |
| 4 | 1 | 128/0.2 | 1.0 | 4.8 | 5.30 |
| 6 | 1 | 192/0.2 | 1.0 | 5.4 | 7.30 |
| 10 | 1 | 322/0.2 | 1.0 | 6.3 | 11.40 |
| 16 | 1 | 511/0.2 | 1.0 | 7.3 | 17.10 |
| 25 | 1 | 784/0.2 | 1.2 | 8.8 | 30.00 |
| 35 | 1 | 1120/0.2 | 1.2 | 10.2 | 37.50 |
| 50 | 1 | 1568/0.2 | 1.4 | 11.9 | 51.00 |
| 70 | 1 | 2240/0.2 | 1.4 | 14.0 | 71.50 |
| 95 | 1 | 3040/0.2 | 1.6 | 16.0 | 97.00 |
| 120 | 1 | 3800/0.2 | 1.6 | 17.5 | 119.10 |