



### Garden Lighting Cable

| CONSTRUCTION      |                                                |
|-------------------|------------------------------------------------|
| <b>Conductors</b> | Annealed copper conductors (PCW) to AS/NZS1125 |
| <b>Insulation</b> | UV Stabilised V90HT PVC to AS3808:2000         |
| <b>Sheath</b>     | UV Stabilised V90HT PVC to AS3808:2000         |
| <b>Voltage</b>    | AC 50V / DC 120v to AS/NZS 3000:2000           |

| FEATURES                                                                              |  |
|---------------------------------------------------------------------------------------|--|
| RoHS Compliant                                                                        |  |
| Temperature Rating 90°C                                                               |  |
| 99.9% OFHC (Oxygen Free High Conductivity) Copper which does not show any brittleness |  |

| APPLICATIONS                             |  |
|------------------------------------------|--|
| Garden Light Wiring & Low Voltage Wiring |  |

| Code      | No Strands/ø mm | Nominal Area mm <sup>2</sup> | Amps ** | Insulation Thickness mm | Max DC Resistance @20°C mΩ/mt | Nominal OD mm | Mass Kg/100m |
|-----------|-----------------|------------------------------|---------|-------------------------|-------------------------------|---------------|--------------|
| FGL210402 | 104/0.20        | 3.30                         | 12      | 0.80                    | 5.82                          | 4.25X9.0      | 9.00         |
| FGL219202 | 192/0.20        | 6.00                         | 10      | 1.00                    | 3.30                          | 5.35X11.3     | 16.10        |
| FGL232002 | 320/0.20        | 10.00                        | 7       | 1.00                    | 1.91                          | 6.00X12.60    | 24.90        |

| Part No | ATS22603    | FGL210402 | ATS24103    | ATS26503    | FGL219202 | ATS211203   | FGL232002 |
|---------|-------------|-----------|-------------|-------------|-----------|-------------|-----------|
| Length  | Twin Sheath | Figure 8  | Twin Sheath | Twin Sheath | Figure 8  | Twin Sheath | Figure 8  |
| m       | 1.84mm2     | 2.9mm2    | 3.3mm2      | 4.59mm2     | 6.0mm2    | 7.92mm2     | 10mm2     |
| 20      | 33          | 52        | 66          | 81          | 107       | 144         | 155       |
| 30      | 22          | 34        | 42          | 54          | 120       | 96          | 105       |
| 40      | 16          | 26        | 31          | 40          | 52        | 72          | 81        |
| 50      | 14          | 20        | 24          | 32          | 42        | 57          | 62        |
| 60      | 11          | 17        | 20          | 27          | 36        | 48          | 54        |
| 70      |             |           |             | 23          | 30        | 42          | 51        |
| 80      |             |           |             | 20          | 26        | 36          | 45        |
| 90      |             |           |             |             | 24        | 32          | 40        |
| 100     |             |           |             |             | 21        | 29          | 36        |
| 110     |             |           |             |             |           | 26          | 32        |
| 120     |             |           |             |             |           | 24          | 30        |
| 130     |             |           |             |             |           | 22          | 27        |
| 140     |             |           |             |             |           | 21          | 25        |

It is important that the Volt drop is kept to a maximum of 1Volt: (i.e. the Voltage at the fixture should be no less than 11 Volts ).  
When Using 6mm2 or 10mm2 Trunk cable the 3.3mm2 drop cable can be a maximum of 6mt from the main trunk cable.  
A larger cable will experience a lower voltage drop over the same length as a small cable.

#### Please Note\*\*

NOT SUITABLE FOR CONNECTIONS TO MAINS POWER SUPPLY.

AMP Ratings are based on JASO D609:2001 single core AMBIENT TEMPERATURE AT 30° C.

#### Please Note

Please consult with your Electrician / Engineer to ensure this cable is suitable for the intended application and installation.

Elcon Cables takes every precaution to ensure the information in this publication is correct but accepts no liability of any kind and reserves the right to change any detail in this catalogue without notification.

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