Socapex PVC Cable

APPLICATION
The Socapex control cable is a highly flexible multicore cable for use in the connection of lighting technology and dimmer racks. The cable may be used in dry, damp and wet interiors under medium mechanical stress and for external use with UV protection. It is suitable for flexible and fixed applications.

CONSTRUCTION
Conductor
Class 5 flexible copper conductor

Insulation
PVC (Polyvinyl Chloride) Type T11

Sheath
PVC (Polyvinyl Chloride) Type TM2

CABLE STANDARDS
DIN VDE 0472 Part 804, IEC 60332-1, BS EN 60228
DIN EN 50290-2-22, VDE 0819-102, TM54, VDE 0207

The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

CHARACTERISTICS
Voltage Rating (Uo/U)
300/500V

Test Voltage
3kV

Temperature Rating
Fixed: -40°C to +80°C
Flexed: -5°C to +70°C

Minimum Bending Radius
Fixed: 4 x overall diameter
Flexed: 15 x overall diameter

Core Identification
● Black numbered cores

Sheath Colour
● Black
## DIMENSIONS

<table>
<thead>
<tr>
<th>ELAND PART NO.</th>
<th>NO. OF CORES</th>
<th>NOMINAL CROSS SECTIONAL AREA mm²</th>
<th>NOMINAL OVERALL DIAMETER mm</th>
<th>NOMINAL WEIGHT kg/km</th>
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</thead>
<tbody>
<tr>
<td>A5Y18015BK</td>
<td>18</td>
<td>1.5</td>
<td>14.5</td>
<td>432</td>
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<td>A5Y18025BK</td>
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<td>2.5</td>
<td>17.9</td>
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## CONDUCTORS

**Class 5 Flexible Conductor**

<table>
<thead>
<tr>
<th>NOMINAL CROSS SECTIONAL AREA mm²</th>
<th>MAXIMUM DIAMETER OF WIRES IN CONDUCTOR mm</th>
<th>MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C ohms/km</th>
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<tbody>
<tr>
<td>1.5</td>
<td>0.26</td>
<td>13.3</td>
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<tr>
<td>2.5</td>
<td>0.26</td>
<td>7.98</td>
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The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.