

# Socapex PVC Cable



Eland Product Group: **A5Y**

## 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 (U<sub>o</sub>/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

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A5Y18015BK	18	1.5	14.5	432
A5Y18025BK	18	2.5	17.9	692

## CONDUCTORS

### Class 5 Flexible Conductor

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MAXIMUM DIAMETER OF WIRES IN CONDUCTOR mm	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C ohms/km
1.5	0.26	13.3
2.5	0.26	7.98