

# Curly Flex PVC Cable



Eland Product Group: **A2C**

## APPLICATION

For use in domestic appliances, ceiling to display or cash desk equipment and indoor lighting features.

## CONSTRUCTION

### Conductor

Class 5 flexible copper conductor according to BS EN 60228 (previously BS 6360)

### Insulation

PVC (Polyvinyl Chloride) Type T12 according to BS EN 50363

### Sheath

PVC (Polyvinyl Chloride) Type TM2 according to BS EN 50363

## CABLE STANDARDS

Generally to BS EN 50525-2-11



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

**Temperature Rating**  
Flexed: -5°C to +60°C

### Core Identification

3 core: ● Green/Yellow ● Blue ● Brown  
4 core: ● Green/Yellow ● Brown ● Black ● Grey  
5 core: ● Green/Yellow ● Blue ● Brown ● Black ● Grey

**Sheath Colour**  
● Black ○ White

## DIMENSIONS

| ELAND PART NO.  | NO OF CORES | NOMINAL CROSS SECTIONAL AREA<br>mm <sup>2</sup> | NOMINAL THICKNESS OF INSULATION<br>mm | RADIAL THICKNESS OF SHEATH<br>mm | UNEXTENDED LENGTH<br>mm | EXTENDED LENGTH<br>mm | NOMINAL OVERALL DIAMETER<br>mm | NOMINAL SPIRAL OVERALL DIAMETER<br>mm |
|-----------------|-------------|---|---------------------------------------|----------------------------------|-------------------------|-----------------------|--------------------------------|---------------------------------------|
| A2C3075PV*15-45 | 3           | 0.75  | 0.6                                   | 0.8                              | 1500                    | 4500                  | 7                              | 22                                    |
| A2C3010PV*15-45 | 3           | 1   | 0.6                                   | 0.8                              | 1500                    | 4500                  | 7.2                            | 27                                    |
| A2C3015PV*15-45 | 3           | 1.5   | 0.7                                   | 0.9                              | 1500                    | 4500                  | 8.7                            | 30                                    |
| A2C3025PV*15-45 | 3           | 2.5   | 0.8                                   | 1.1                              | 1500                    | 4500                  | 10                             | 36                                    |
| A2C4075PV*15-45 | 4           | 0.75  | 0.6                                   | 0.8                              | 1500                    | 4500                  | 7.7                            | 27                                    |
| A2C4010PV*15-45 | 4           | 1   | 0.6                                   | 0.9                              | 1500                    | 4500                  | 8.5                            | 28                                    |
| A2C4015PV*15-45 | 4           | 1.5   | 0.7                                   | 1                                | 1500                    | 4500                  | 10                             | 36                                    |
| A2C4025PV*15-45 | 4           | 2.5   | 0.8                                   | 1.1                              | 1500                    | 4500                  | 11.8                           | 40                                    |
| A2C5075PV*15-45 | 5           | 0.75  | 0.6                                   | 0.9                              | 1500                    | 4500                  | 8.5                            | 29                                    |
| A2C5010PV*15-45 | 5           | 1   | 0.6                                   | 0.9                              | 1500                    | 4500                  | 9.2                            | 29                                    |
| A2C5015PV*15-45 | 5           | 1.5   | 0.7                                   | 1.1                              | 1500                    | 4500                  | 10.5                           | 41                                    |
| A2C5025PV*15-45 | 5           | 2.5   | 0.8                                   | 1.2                              | 1500                    | 4500                  | 12.8                           | 50                                    |

All dimensions are approximate and may vary slightly at time of production.

\*Eland Part No. shown above designate the sheath colour (\*). For each colour substitute \* for a colour code as listed below. e.g. A2C3075PVB15-45 = 0.75mm<sup>2</sup> Black

### Colour Codes

| COLOUR | Black | White |
|--------|-------|-------|
| CODE   | B     | W     |

## CONDUCTORS

### Class 5 Flexible Copper Conductors for Single Core and Multi Core Cables

| NOMINAL CROSS SECTIONAL AREA<br>mm <sup>2</sup> | MAXIMUM DIAMETER OF WIRES IN CONDUCTOR<br>mm | MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C |
|---|--|---|
|   |  | Plain Wires<br>ohms/km                  |
| 0.75  | 0.21   | 26                                      |
| 1   | 0.21   | 19.5                                    |
| 1.5   | 0.26   | 13.3                                    |
| 2.5   | 0.26   | 7.98                                    |

The above table is in accordance with BS EN 60228 (previously BS 6360)

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.