

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.

Technical Data

Conductor

Class 5 flexible plain copper conductors to BS EN 60228:2005 (previously BS6360), VDE0295

Voltage Rating

300/500V

Insulation

PVC (Polyvinyl Chloride)

Temperature Rating

0°C to +70°C

Sheath

PVC (Polyvinyl Chloride)

Core Identification

3 Cores: Green/Yellow, Blue, Brown,
4 Cores: Green/Yellow, Brown, Black, Grey
5 Cores: Green/Yellow, Blue, Brown, Black, Grey

Sheath Colour

Black or White

Dimensions

Eland Part Number	No. of Cores x Nominal Cross Sectional Area # x mm ²	Radial Thickness of Insulation mm	Radial Thickness of Sheath mm	Retracted Unit Length x Extended Ratio / Tail Length mm x # / mm	Nominal Overall Diameter mm	Nominal Spiral Overall Diameter mm
A2C3075PV*15-45	3 x 0.75	0.6	0.8	1500 x 3 / 200	7.0	22
A2C3010PV*15-45	3 x 1.00	0.6	0.8	1500 x 3 / 200	8.0	27
A2C3015PV*15-45	3 x 1.50	0.7	0.9	1500 x 3 / 200	8.7	30
A2C3025PV*15-45	3 x 2.50	0.8	1.0	1500 x 3 / 200	10.0	36
A2C4075PV*15-45	4 x 0.75	0.6	0.8	1500 x 3 / 200	7.7	27
A2C4010PV*15-45	4 x 1.00	0.6	0.9	1500 x 3 / 200	8.5	28
A2C4015PV*15-45	4 x 1.50	0.7	1.0	1500 x 3 / 200	10.0	36
A2C4025PV*15-45	4 x 2.50	0.8	1.1	1500 x 3 / 200	11.8	40
A2C5075PV*15-45	5 x 0.75	0.6	0.9	1500 x 3 / 200	8.5	29
A2C5010PV*15-45	5 x 1.00	0.6	0.9	1500 x 3 / 200	9.2	29
A2C5015PV*15-45	5 x 1.50	0.7	1.1	1500 x 3 / 200	10.5	41
A2C5025PV*15-45	5 x 2.50	0.8	1.2	1500 x 3 / 200	12.8	50

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

Conductors

Class 5 flexible Copper Conductors for Single Core and Multi-Core cables

1 Nominal Cross Sectional Area mm ²	2 Maximum Diameter of Wires in Conductor mm	3 Maximum Resistance of Conductor at 20°C
		Plain Wires ohms/Km
0.75	0.21	26.0000
1.50	0.26	13.3000
2.50	0.26	7.9800

Table in accordance with BS EN 60228:2005 (previously BS6360)

The information contained within this datasheet is for guidance only. When selecting accessories such as cleats, glands, etc please note that actual cable dimensions may vary due to manufacturing tolerances.

Electrical Characteristics

Current carrying capacity and Voltage Drop

Nominal Cross Sectional Area mm ²	Current Rating ohms/Km	Current Rating Amps	Nominal Voltage Drop Single Phase mV/A/m
0.75	26.00	7	49
1.50	13.30	12	28
2.50	7.98	16	17

The above calculations are based on retracted 1500mm cables of up to five conductors installed at an ambient temperature of 20°C

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