

Curly Flex PUR Cable

Eland Product Group A2C

Application

For use in power tools, hoists, scissor lifts and roller doors within harsh industrial environments.

Conductor

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

Insulation

PVC (Polyvinyl Chloride)

Sheath

PUR (Polyurethane)

Sheath Colour

Black

Voltage Rating

300/500V

Temperature Rating

0°C to +80°C

Core Identification

3 Cores: Green/Yellow, Blue, Brown,

4 Cores: Green/Yellow, Brown, Black, Grey

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



Dimensions

Eland Part Number	No. of Cores x Nominal Cross Sectional Area # x mm ²	Retracted Unit Length x Extended Ratio / Tail Length mm x # / mm	Nominal Overall Diameter mm	Nominal Spiral Overall Diameter mm
A2C3075PUB1-5	3 x 0.75	1000 x 5 / 200	7.0	22
A2C3075PUB2-10	3 x 0.75	2000 x 5 / 200	7.0	22
A2C3015PUB1-5	3 x 1.50	1000 x 5 / 200	8.5	30
A2C3015PUB2-10	3 x 1.50	2000 x 5 / 200	8.5	30
A2C3025PUB1-5	3 x 2.50	1000 x 5 / 200	10.5	38
A2C3025PUB2-10	3 x 2.50	2000 x 5 / 200	10.5	38
A2C4015PUB1-5	4 x 1.50	1000 x 5 / 200	10.5	37
A2C4015PUB2-10	4 x 1.50	2000 x 5 / 200	10.5	37

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	2	3
Nominal Cross Sectional Area mm ²	Maximum Diameter of Wires in Conductor mm	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)

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