

# Curly Flex TPR Cable

Eland Product Group A2C

## Application

Intended for use in machinery, lifting platforms, conveyor and transport belts, agricultural equipment, construction machinery or trucks with high chemical, thermal or mechanical stress.

## Conductor

Class 5 flexible tinned copper conductors to BS EN 60228:2005 (previously BS6360)

## Insulation

PVC (Polyvinyl Chloride)

## Sheath

TPR (Thermo Plastic Rubber)

## Sheath Colour

Black

## Voltage Rating

300/500V

## Temperature Rating

0°C to +70°C

## Core Identification

3 Cores: Green/Yellow, Blue, Brown,

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

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

6 Cores: Green/Yellow, Blue, White, Brown, Black, Grey

7 Cores: Green/Yellow, Blue, White, Green, Brown, Black, Grey



## Dimensions

Eland Part Numbers	No. of Cores x Nominal Cross Sectional Area # x mm <sup>2</sup>	Retracted Length x Extended Ratio / Tail Length # x mm / mm	Nominal Overall Diameter mm	Nominal Spiral Overall Diameter mm
A2C3075TPR1-5	3 x 0.75	1000mm x 5 / 150	9.50	35
A2C3010TPR1-5	3 x 1.00	1000mm x 5 / 150	9.50	35
A2C3015TPR1-5	3 x 1.50	1000mm x 5 / 150	10.00	36
A2C3025TPR1-5	3 x 2.50	1000mm x 5 / 150	11.50	42
A2C4075TPR1-5	4 x 0.75	1000mm x 5 / 150	9.50	35
A2C4010TPR1-5	4 x 1.00	1000mm x 5 / 150	9.50	35
A2C4015TPR1-5	4 x 1.50	1000mm x 5 / 150	11.50	42
A2C4025TPR1-5	4 x 2.50	1000mm x 5 / 150	12.50	47
A2C5075TPR1-5	5 x 0.75	1000mm x 5 / 150	10.50	37
A2C5015TPR1-5	5 x 1.50	1000mm x 5 / 150	13.00	51
A2C5025TPR1-5	5 x 2.50	1000mm x 5 / 150	14.00	53

## Conductors

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

1	2	4
Nominal Cross Sectional Area mm <sup>2</sup>	Maximum Diameter of Wires in Conductor mm	Maximum Resistance of Conductor at 20°C Metal-Coated Wires ohms/Km
0.75	0.21	26.7000
1.00	0.21	20.0000
1.50	0.26	13.7000
2.50	0.26	8.2100

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

## Electrical Characteristics

### Current carrying capacity and Voltage Drop

Nominal Cross Sectional Area mm <sup>2</sup>	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