

# CY LSZH Control Flexible Cable

Eland Product Group **A5B**

## Application

For installation where fire, smoke emission and toxic fumes create a potential threat to life and equipment. Used as interconnecting cable for measuring, controlling or regulation in control equipment for assembly and production lines, conveyors and for computer units. Suitable for fixed installations or for flexible use when temporarily moved, and in conditions of medium mechanical stress. Can be used outdoors when protected, and in dry or moist conditions indoors. These cables with copper screening are ideally suitable for interference free data and signal transmission in measuring and control technology.

## Standards

Generally to BS6500, VDE0250, IEC 60332-3, IEC 60754-1

## Conductor

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

## Insulation

XLPE (Cross-Linked Polyethylene)

## Separator

PETP (Polyethylene Terephthalate)

## Screen

TCWB (Tinned Copper Wire Braid)

## Sheath

LSZH (Low Smoke Zero Halogen)

## Sheath Colour

Grey

## Voltage Rating

300/500V

## Temperature Rating

Fixed: -35°C to +85°C

Flexing: -5°C to +85°C

## Minimum Bending Radius

10 x overall diameter

## Core Identification

Black with White numbers

(3 cores and above includes Green/Yellow)

Coloured cores available



## Dimensions

Eland Part Number	No. of Cores x Cross Sectional Area # x mm <sup>2</sup>	Nominal Overall Diameter mm	Nominal Weight kg/Km	FCGCXT Gland
<b>CY Control Flexible Cable - 2 Cores</b>				
A5B020075CYLSZH	2 x 0.75	6.0	54	20SS
A5B02010CYLSZH	2 x 1.00	6.2	60	20SS
A5B02015CYLSZH	2 x 1.50	6.8	70	20SS
<b>CY LSZH Control Flexible Cable - 3 Cores</b>				
A5B030075CYLSZH	3 x 0.75	6.3	65	20SS
A5B03010CYLSZH	3 x 1.00	6.5	73	20SS
A5B03015CYLSZH	3 x 1.50	7.2	90	20S
<b>CY LSZH Control Flexible Cable - 4 Cores</b>				
A5B040075CYLSZH	4 x 0.75	6.8	77	20SS
A5B04010CYLSZH	4 x 1.00	7.0	89	20S
A5B04015CYLSZH	4 x 1.50	7.8	108	20S
A5B04025CYLSZH	4 x 2.50	9.4	173	20S
<b>CY LSZH Control Flexible Cable - 5 Cores</b>				
A5B050075CYLSZH	5 x 0.75	7.3	91	20S
A5B05010CYLSZH	5 x 1.00	7.6	105	20S
A5B05015CYLSZH	5 x 1.50	8.4	125	20S
<b>CY LSZH Control Flexible Cable - 7 Cores</b>				
A5B07015CYLSZH	7 x 1.50	9.3	160	20S

## Conductors

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

1	2	3
Nominal Cross Sectional Area mm <sup>2</sup>	Maximum Diameter of Wires in Conductor mm	Maximum Resistance of Conductor at 20°C Plain Wires ohms/Km
0.75	0.21	26.0000
1.00	0.21	19.5000
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 (amperes) at 30°C

Nominal Cross Sectional Area mm <sup>2</sup>	Current Rating Amps
0.75	12
1.00	15
1.50	18
2.50	26

## De-rating Factors

Multi-Conductor cables with cross sectional area up to 10mm<sup>2</sup>

No. of Cores	De-rating Factor
5	0.75
7	0.65