

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.

Standards

Generally to BS6500, IEC 60754-1

Technical Data

Conductor

Stranded Class 5 copper conductors to EN 60228

Insulation

HF (Halogen Free) to VDE 0207-HI2

Binding Tape

Plastic core wrap

Screen

LIYCY: TCWB (Tinned Copper Wire Braid)
STCY*: Aluminium Foil and Braid

Sheath

LSZH (Low Smoke Zero Halogen)
RAL 7001 Acc to VDE 0207-HM2

Sheath Colour

Grey

Voltage Rating

300/500V

Temperature Rating

Installation: -15°C to +70°C
Operating: -30°C to +70°C

Minimum Bending Radius

10 x overall diameter

Core Identification

2 core - Colour coded
3 cores and above - Black with white numbers and one Green/Yellow Core.

**The values on this specification relate to LIYCY Control Cable. For more information please consult a member of the Sales Team*

Dimensions

Eland Part Number	No. of Cores x Cross Sectional Area # x mm ²	Nominal Overall Diameter mm	Nominal Weight kg/Km	FCGCXT Gland
CY LSZH Control Flexible Cable - 2 Cores				
A5B020075CYLSZH*	2 x 0.75	6.1	50.5	20SS
A5B02010CYLSZH*	2 x 1.00	6.3	56.5	20SS
A5B02015CYLSZH*	2 x 1.50	7.3	75.0	20S
CY LSZH Control Flexible Cable - 3 Cores				
A5B030075CYLSZH*	3 x 0.75	6.4	62.5	20SS
A5B03010CYLSZH*	3 x 1.00	6.6	72.0	20SS
A5B03015CYLSZH*	3 x 1.50	7.7	95.0	20S
CY LSZH Control Flexible Cable - 4 Cores				
A5B040075CYLSZH*	4 x 0.75	6.9	76.0	20SS
A5B04010CYLSZH*	4 x 1.00	7.1	86.0	20S
A5B04015CYLSZH*	4 x 1.50	8.4	118.0	20S
CY LSZH Control Flexible Cable - 5 Cores				
A5B050075CYLSZH*	5 x 0.75	7.5	89.0	20S
A5B05010CYLSZH*	5 x 1.00	7.7	102.0	20S
A5B05015CYLSZH*	5 x 1.50	9.1	141.0	20S

* This product is available in more than one type.

Conductors

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

1	3
Nominal Cross Sectional Area mm ²	Maximum Conductor DC Resistance ohms/Km
0.50	38.2
0.75	25.4
1.00	19.1
1.50	13.0
2.50	8.1

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

Electrical Characteristics

Current Carrying Capacity (amperes) at 30°C

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

Further information is available on request.

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.