

CY Control Flexible Cable to BS6500

Eland Product Group **A5C**



Application

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

Technical Data

Conductor

Stranded Class 5 copper conductors to EN 60228

Insulation

PVC (Polyvinyl Chloride)

Binding Tape

Plastic core wrap

Screen

LIYCY: TCWB (Tinned Copper Wire Braid)

Sheath

PVC (Polyvinyl Chloride)
Ral 7001 acc to VDE0207

Sheath Colour

Grey

Voltage Rating

300/500V

Temperature Rating

Fixed: -35°C to +70°C
Flexing: -15°C to +70°C

Minimum Bending Radius

10 x overall diameter

Core Identification

Black with White numbers
(3 cores and above to include Green/Yellow)

Dimensions

Eland Part Number	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Overall Diameter mm	Nominal Weight kg/Km	FCGCXT Gland
CY Control Flexible Cable - 2 Cores				
A5C02005	2 x 0.50	5.7	44.5	20SS
A5C020075	2 x 0.75	6.1	50.5	20SS
A5C02010	2 x 1.00	6.3	56.5	20SS
A5C02015	2 x 1.50	7.3	75.0	20SS
A5C02025	2 x 2.50	8.7	107.0	20S
CY Control Flexible Cable - 3 Cores				
A5C03005	3 x 0.50	6.0	52.5	20SS
A5C030075	3 x 0.75	6.4	62.5	20SS
A5C03010	3 x 1.00	6.6	72.0	20SS
A5C03015	3 x 1.50	7.7	95.0	20S
A5C03025	3 x 2.50	9.2	140.0	20S

Eland Part Number	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Overall Diameter mm	Nominal Weight kg/Km	FCGCXT Gland
CY Control Flexible Cable - 4 Cores				
A5C04005	4 x 0.50	6.4	62.0	20SS
A5C040075	4 x 0.75	6.9	76.0	20SS
A5C04010	4 x 1.00	7.1	86.0	20S
A5C04015	4 x 1.50	8.4	118.0	20S
A5C04025	4 x 2.50	10.0	172.0	20S
CY Control Flexible Cable - 5 Cores				
A5C05005	5 x 0.50	6.9	73.0	20SS
A5C050075	5 x 0.75	7.5	89.0	20S
A5C05010	5 x 1.00	7.7	102.0	20S
A5C05015	5 x 1.50	9.1	141.0	20S
A5C05025	5 x 2.50	10.9	206.0	20S
CY Control Flexible Cable - 7 Cores				
A5C07005	7 x 0.50	7.5	92.0	20S
A5C070075	7 x 0.75	8.1	113.0	20S
A5C07010	7 x 1.00	8.4	130.0	20S
A5C07015	7 x 1.50	9.9	181.0	20S
A5C07025	7 x 2.50	11.9	268.0	20
CY Control Flexible Cable - 12 Cores				
A5C12005	12 x 0.50	9.6	141.0	20S
A5C120075	12 x 0.75	10.4	176.0	20S
A5C12010	12 x 1.00	10.8	208.0	20S
A5C12015	12 x 1.50	12.9	290.0	20
CY Control Flexible Cable - 18 Cores				
A5C180075	18 x 0.75	12.1	248.0	20
A5C18010	18 x 1.00	12.6	290.0	20

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
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
0.50	7
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.