2192Y Flexible Cable H03VVH2-F

Eland Product Group **A3Y**

Application

Used as an indoor general wiring cable primarily for installations in public areas. Examples include use on pendant lighting drops or as a general supply lead.

Standards

BS6500

Technical Data

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

Insulation
PVC (Polyvinyl Chloride) TI2 to BS7655

Sheath
PVC (Polyvinyl Chloride) TM2 to BS7655

Sheath Colour
Black or White

Voltage Rating
300/300V

Temperature Rating
0°C to +70°C

Minimum Bending Radius
6 x overall diameter

Dimensions

Eland Part Number	No. of Cores x Nominal Cross Sectional Area mm²	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
A3Y020050*FLAT	2 x 0.50	0.5	0.6	3.10 x 5.00	31
A3Y020075*FLAT	2 x 0.75	0.5	0.6	3.30 x 5.40	37

Conductors

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

1	2	3	4
Nominal Cross Sectional Area mm²	Maximum Diameter of Wires in Conductor mm	Maximum Resistance of Conductor at 20°C	
		Plain Wires ohms/km	Metal-Coated Wires ohms/km
0.50	0.21	39.00	40.10
0.75	0.21	26.00	26.70

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

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Electrical Characteristics

Current Carrying Capacity (amperes): and Mass Supportable (kg)

Conductor Cross Sectional Area mm²	Current Carrying Capacity		Maximum Mass Supportable by Twin Flexible Cord (see Regulations 522.7.2 and 559.6.1.5) A
	Single Phase AC Amps	Three Phase AC Amps	
1	2	3	4
0.50	3	3	2
0.75	6	6	3

Rating factor for ambient temperature
60°C thermoplastic or thermosetting insulated cords:

Ambient Temperature	35°C	40°C	45°C	50°C	55°C
Rating Factor	0.91	0.82	0.71	0.58	0.41

The above table is in accordance with Table 4F3A of the 17th Edition of IEE Wiring Regulations.

Voltage Drop (per ampere per metre)

Conductor Cross Sectional Area mm²	DC or Single Phase AC mV/A/m	Three Phase AC mV/A/m
1	2	3
0.50	93	80
0.75	62	54

Conductor operating temperature: 60°C*

The above table is in accordance with Table 4F3B of the 17th Edition of IEE Wiring Regulations.

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.