

Festoon Lighting External Cable H05RNH-F

Eland Product Group **A5F**



Application

Flexible cords suitable for use in domestic premises, kitchens and offices. Also suitable for use in hot situations such as immersion heaters. Good resistance to oil and grease.

Standards

IEC 60598-1

Technical Data

Conductor

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

Insulation

EPDM (Ethyl Propyl Dimethyl) Type EI4

Sheath

Weather and oil resistant rubber Class EM2

Voltage Rating

300/500V

Temperature Rating

-25°C to +60°C

Minimum Bending Radius

6 x overall diameter (flat side against flat side)

Sheath Colour

Black or Yellow

Dimensions

Eland Part Number	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Cable Dimensions (Thickness x Width) mm x mm	Nominal Weight kg/Km
A5FL2025*	2 x 2.5	1.0	1.0	6.3 x 9.8	11

* Eland Part numbers shown above designate the sheath colour (*). For each colour substitute * for a colour code as; Blue: BL and Yellow: YW

Conductors

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

1	2	4
Nominal Cross Sectional Area mm ²	Maximum Diameter of Wires in Conductor mm	Maximum Resistance of Conductor at 20°C Plain Wires ohms/Km
2.5	0.26	7.98

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

Electrical Characteristics

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

Nominal Cross Sectional Area mm ²	Current Carrying Capacity		Maximum Mass Supportable by Twin Flexible Cord (see Regulations 522.7.2 and 559.6.1.5) kg
	Single Phase AC Amps	Three Phase AC Amps	
1	2	3	4
2.5	25	20	5

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

Voltage Drop (per ampere per metre)

Nominal Cross Sectional Area mm ²	DC or Single Phase AC mV/A/m	Three Phase AC mV/A/m
1	2	3
2.5	19	16

Conductor operating temperature: 60°C*

*The tabulated values above are for 60°C thermoplastic or thermosetting insulated flexible cords and for other types of flexible cords they are to be multiplied by the following factors:

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.