

218-Y Flexible Cable H03VV-F

Eland Product Group **A3Y**

Application

Light duty cable for use in domestic premises, kitchens and offices. For use with light portable appliances such as radios, table lamps and office machines.

Standards

BS6500, CENELEC HD21.5, VDE 281

Conductor

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

Insulation

PVC (Polyvinyl Chloride) to BS7655

Sheath

PVC (Polyvinyl Chloride) to BS7655

Sheath Colour

Black or White

Core Identification

2 Cores: Blue, Brown

3 Cores: Green/Yellow, Blue, Brown

Voltage Rating

300/500V

Temperature Rating

0°C to +70°C

Minimum Bending Radius

6 x overall diameter



Dimensions

Eland Part Number	No x Cores x Nominal Cross Sectional Area # x mm ²	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
A3Y020050*	2 x 0.50	0.5	0.6	5.0	38
A3Y020075*	2 x 0.75	0.5	0.6	5.4	46
A3Y030050*	3 x 0.50	0.5	0.6	5.4	45
A3Y030075*	3 x 0.75	0.5	0.6	5.8	56
A3Y040050*	4 x 0.50	0.5	0.6	5.8	55

Eland Part Numbers shown above designate the sheath colour (). For each colour either substitute * for BK (black) or WH (white)

Conductors

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

1		2		3	
Nominal Cross Sectional Area mm ²		Maximum Diameter of Wires in Conductor mm		Maximum Resistance of Conductor at 20°C	
				Plain Wires ohms/km	
0.50		0.21		39.0000	
0.75		0.21		26.0000	

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

Electrical Characteristics

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

Conductor 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
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 mm ²	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.