

## DIMENSIONS

No. Of Cores	Nominal Cross Sectional Area mm <sup>2</sup>	Nominal Thickness Of Insulation mm	Nominal Thickness Of Sheath mm	Nominal Overall Diameter mm	Nominal Weight Kg/Km
2	0.5	0.5	0.6	5.0	37
2	0.75	0.5	0.6	5.5	46
3	0.5	0.5	0.6	5.3	44
3	0.75	0.5	0.6	5.8	55
4	0.5	0.5	0.6	5.8	54

\*Eland Part No. shown above designate the sheath colour (\*). For each colour substitute \* for a colour code as listed below. e.g. A3Y020050BK = 0.5mm<sup>2</sup> Black

<b>COLOUR</b>	Black	White
<b>CODE</b>	BK	WH

## CONDUCTORS

Class 5 Flexible Copper Conductors for Single Core and Multi-Core Cables

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MAXIMUM DIAMETER OF WIRES IN CONDUCTOR mm	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C
		Plain Wires ohms/km
0.5	0.21	39
0.75	0.21	26

The above table is in accordance with BS EN 60228 (previously BS 6360)

## ELECTRICAL CHARACTERISTICS

Current Carrying Capacity and Mass Supportable

Nominal Cross Sectional Area mm <sup>2</sup>	Current Carrying Capacity		Maximum Mass Supportable By Twin Flexible Cord (See Regulations 522.7.2 And 559.6.1.5 Of The 17th Edition Of IEE Wiring Regulations) Kg
	Single-Phase AC Amps	Three-Phase AC Amps	
0.5	3	3	2
0.75	6	6	3

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

### Voltage Drop

Nominal Cross Sectional Area Mm <sup>2</sup>	Dc Or Single-Phase Ac Mv/A/m	Three-Phase Ac Mv/A/M
0.5	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.

## DE-RATING FACTORS

60°C Thermoplastic or Thermosetting Insulated Cords

<b>AIR TEMPERATURE</b>	35°C	40°C	45°C	50°C	55°C
<b>DE-RATING FACTOR</b>	0.91	0.82	0.71	0.58	0.41