

## 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	0.75	0.6	0.8	6.3	63
3	0.75	0.6	0.8	6.7	74
3	1	0.6	0.8	7	86
3	1.5	0.7	0.9	8.1	115
3	2.5	0.8	1	9.7	170
4	0.75	0.6	0.8	7.3	78
4	1	0.6	0.9	7.9	110
4	1.5	0.7	1	9	140
4	2.5	0.8	1.1	10.8	210
5	0.75	0.6	0.9	8.1	105

## 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	Metal-Coated Wires ohms/km
0.75	0.21	26	26.7
1	0.21	19.5	20
1.5	0.26	13.3	13.7
2.5	0.26	7.98	8.21

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	
0.75	6	6	3
1	10	10	5
1.5	16	16	5
2.5	25	20	5

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
0.75	62	54
1	46	40
1.5	32	27
2.5	19	16

Conductor operating temperature: 60°C\*

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

factors: for thermoplastic or thermoset insulation at 90°C: 1.09, at 105°C: 1.31

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

Air Temperature	35°C	40°C	45°C	50°C	55°C
De-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.