DIMENSIONS

No. Of Cores	Nominal Cross Sectional Area mm²	Nominal Thickness Of Insulation mm	Nominal Overall Diameter mm	Nominal Weight Kg/Km
2	0.75	0.6	6.3	57
2	1	0.6	6.6	65
2	1.5	0.7	7.4	84
2	2.5	0.8	9	130
2	4	0.8	10.4	180
3	0.75	0.6	6.7	68
3	1	0.6	7	78
3	1.5	0.7	8	107
3	2.5	0.8	9.9	163
3	4	0.8	11.1	212
4	0.75	0.6	7.3	83
4	1	0.6	7.9	100
4	1.5	0.7	9	134
4	2.5	0.8	10.8	201
4	4	0.8	12.2	290
5	0.75	0.6	8.1	103
5	1	0.6	8.3	130
5	1.5	0.7	10.4	170
5	2.5	0.8	12.1	255
5	4	0.8	15	360

Colour Codes

COLOUR	White	Black
CODE	WH	BK

CONDUCTORS

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

Nominal Cross Sectional Area mm²	Maximum Diameter Of Wires In Conductor mm	Maximum Resistance Of Conductor At 20ºC
		Plain Wires ohms/km
0.75	0.21	26
1	0.21	19.5
1.5	0.26	13.3
2.5	0.26	7.98
4	0.31	4.95

ELECTRICAL CHARACTERISTICS

Current Carrying Capacity

Nominal Cross Sectional Area mm²	Current Carrying Capacity					
	2 Core Cables			3 Core Cables		
	Clipped Direct	In Air	In Conduit	Clipped Direct	In Air	In Conduit
1.5	24	-	22	22	-	19.5
2.5	33	-	30	30	-	26
4	45	-	40	40	-	35
6	58	-	51	52	-	44
10	80	-	69	71	-	60
16	107	-	91	96	-	80
25	138	161	119	119	135	105
35	171	200	146	147	169	128
50	209	242	175	179	207	154
70	269	310	221	229	268	194
95	328	377	265	278	328	233
120	382	437	305	322	383	268
150	441	504	-	371	444	-
185	506	575	-	424	510	-
240	599	679	-	500	607	-
300	693	783	-	576	703	-

Nominal Cross Sectional Area mm2	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
4	32	25	5

Voltage Drop

Nominal Cross Sectional Area mm²	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
4	12	10

Conductor operating temperature: 60ºC*

* The tabulated values above are for 60ºC thermoplastic or thermosetting insulated flexible cords and for other types of flexible cords they are to be multiplied by the following factors:
90ºC thermoplastic or thermoseting insulation : 1.09

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

DE-RATING FACTORS

60ºC Thermoplastic or Thermosetting Insulated Cords

Ambient Temperature	35ºC	40ºC	45ºC	50ºC	55ºC
De-Rating Factor	0.91	0.82	0.71	0.58	0.41