DIMENSIONS

No. Of Cores	Nominal Cross Sectional Area mm²	Nominal Overall Diameter mm	NOMINAL WEIGHT kg/km
1	1.5	5.2	92
1	2.5	5.6	110
1	4	7.1	135
1	6	7.4	160
1	10	7.8	215
1	16	8.8	295
2	1.5	8.2	110
2	2.5	9	130
2	4	9.8	173
3	1.5	8.6	130
3	2.5	9.5	163
3	4	10.7	235
3	6	12.3	320
3	10	14.8	480
3	16	19.7	850
4	1.5	9.2	151
4	2.5	10.2	200
4	4	12.2	300
4	6	13.2	395
4	10	15.8	595
4	16	20	935
5	1.5	9.8	175
5	2.5	10.7	238
5	4	13.2	350
5	6	14.8	480
5	10	17.4	710
5	16	22	1140
7	1.5	10.2	210
7	2.5	12.2	300

CONDUCTORS

Class 1 Solid Conductors for Single Core and Multi-Core Cables

Nominal Cross Sectional Area mm²	Maximum Resistance Of Conductor At 20ºC
	Circular, Annealed Copper Conductors
	Plain Wires ohms/km
1.5	12.1
2.5	7.41
4	4.61
6	3.08
10	1.83
16	1.15

Class 2 Stranded Conductors for Single Core and Multi-Core Cables

Nominal Cross Sectional Area mm²	Minimum No. Of Wires In Conductor			Maximum Resistance Of Conductor At 20ºC
	Circular	Circular Compacted	Shaped	Annealed Copper Conductor
	Cu	Cu	Cu	Plain Wires ohms/km
1.5	7	6	-	12.1
2.5	7	6	-	7.41
4	7	6	-	4.61
6	7	6	-	3.08
10	7	6	-	1.83
16	7	6	-	1.15

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

ELECTRICAL CHARACTERISTICS

Current Carrying Capacity and Voltage Drop

Nominal Cross Sectional Area mm²	Current Carrying Capacity Amps
1.5	19
2.5	25
4	34
6	43
10	61
16	79

Nominal Cross Sectional Area mm²	In A Thermal Insulated Walls		In Insulated Tubes On A Wall		On A Wall		With A Space Of Minimum 0.3 X Diameter To Wall	
	2 Loaded Cores Amps	3* Loaded Cores Amps	2 Loaded Cores Amps	3* Loaded Cores Amps	2 Loaded Cores Amps	3* Loaded Cores Amps	2 Loaded Cores Amps	3* Loaded Cores Amps
1.5	15.5	13	16.5	15	19.5	17.5	22	18.5
2.5	18.5	17.5	23	20	27	24	30	25
4	25	23	30	27	36	32	40	34
6	32	29	38	34	46	41	51	43
10	43	39	52	46	63	57	70	60
16	57	52	69	62	85	76	94	80
25	75	68	90	80	112	96	119	101
35	92	83	111	99	138	119	148	126

Ambient temperature of 30°C

DE-RATING FACTORS

Ambient Temperature	30ºC	35ºC	40ºC	45ºC	50ºC	55ºC	60ºC	65ºC
De-Rating Factor	1.00	0.94	0.87	0.79	0.71	0.61	0.50	0.35