

DIMENSIONS

No. Of Cores	Nominal Cross Sectional Area mm ²	Nominal Overall Diameter mm	Nominal Weight Kg/Km	Tensile Strength In Operation N
1	2.5	4.9	40	37
1	4	5.4	56	60
1	6	5.9	73	90
1	10	6.9	115	150
1	16	8.0	170	240
1	25	10.3	270	375
1	35	11.8	365	525
1	50	13.5	508	750
1	70	16.0	729	1050
1	95	17.8	923	1350
1	120	19.8	1178	1800
1	150	21.1	1460	2250
1	185	24.4	1777	2775
1	240	27.1	2252	3600

CONDUCTORS

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

Nominal Cross Sectional Area mm ²	Maximum Resistance Of Conductor At 20°C
	Metal-Coated Wires ohms/km
2.5	8.21
4	5.09
6	3.39
10	1.95
16	1.24
25	0.795
35	0.565
50	0.393
70	0.277
95	0.21
120	0.164
150	0.132
185	0.108
240	0.0817

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

ELECTRICAL CHARACTERISTICS

No. Of Cores	Nominal Cross Sectional Area mm ²	Current Carrying Capacity
		In Air Amps
1	2.5	41
1	4	55
1	6	70
1	10	98
1	16	132
1	25	176
1	35	218
1	50	276
1	70	347
1	95	416
1	120	488
1	150	566
1	185	644
1	240	775

Based on a 60°C ambient temperature

DE-RATING FACTORS

For Ambient Air Temperatures other than 30°C

AIR TEMPERATURE	UP to 60°C	70°C	80°C	90°C	100°C	110°C	UP to 60°C
DE-RATING FACTOR	1.00	0.91	0.82	0.71	0.58	0.41	1.00