

## DIMENSIONS

No. Of Cores	Nominal Cross Sectional Area mm <sup>2</sup>	Nominal Overall Diameter mm	Nominal Weight kg/km	A2 Gland Brass	A2P Gland Plastic
2	0.5	5.2	40	16	12
2	0.75	5.7	48	16	12
2	1	5.9	55	16	12
2	1.5	7.1	79	16	20S
2	2.5	8.3	114	16	20
3	0.5	5.5	47	16	12
3	0.75	6.04	58	16	12
3	1	6.26	67	16	12
3	1.5	7.54	95	16	20S
3	2.5	9.04	144	20	20
3	4	10.9	214	20	20
3	6	12.4	293	20S	20L
3	10	15.5	478	25	25
3	16	18.4	706	25	32
3	25	21.1	1080	32	32
4	0.5	5.98	57	16	12
4	0.75	6.58	70	16	12
4	1	7.02	85	16	20S
4	1.5	8.23	117	16	20
4	2.5	9.87	178	20	20
4	4	11.9	265	20S	20
4	6	13.6	366	20S	20L
4	10	17.2	608	25	20L
4	16	18.7	844	32	32
4	25	23.6	1327	32	32
4	35	27.2	1790	40	40
5	0.5	6.53	69	16	12
5	0.75	7.41	89	16	20S
5	1	7.68	103	16	20S
5	1.5	9.23	136	20	20
5	2.5	11.05	213	20	20
5	4	13.1	325	20S	20L
5	6	15.1	454	25	25
5	10	18.9	745	25	32
5	16	22.2	1091	32	32
5	25	29	1775	40	40
5	35	30.3	2252	50S	50S
7	0.5	7.3	88	16	20S
7	0.75	8.05	110	16	20
7	1	8.55	133	16	20
7	1.5	10.05	184	20	20
7	2.5	12.25	287	20S	20L

No. Of Cores	Nominal Cross Sectional Area mm <sup>2</sup>	Nominal Overall Diameter mm	Nominal Weight kg/km	A2 Gland Brass	A2P Gland Plastic
8	0.75	8.7	127	22	20S
8	1	9.9	152	22	20S
8	1.5	10.3	200	22	20S
12	0.5	9.7	155	20	20
12	0.75	10.94	179	20	20
12	1	11.36	225	20	20
12	1.5	13.64	302	20S	20L
12	2.5	16.54	478	25	25
18	0.5	11.5	221	20	20
18	0.75	12.95	230	20S	20L
18	1	13.65	324	20S	20L
18	1.5	16.35	446	25	25
18	2.5	19.75	742	32	32
25	0.5	13.8	315	20S	20L
25	0.75	15.5	372	25	25
25	1	16.1	462	25	25
25	1.5	19.5	627	25	32
25	2.5	23.5	1043	32	32
34	0.5	15.8	385	25	25
34	0.75	17.9	530	25	32
34	1	19.7	660	32	32
34	1.5	21.9	880	32	40
34	2.5	28	1350	40	50

\* Available with colour coded cores

## 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
1	0.21	19.5
1.5	0.26	13.3
2.5	0.26	7.98
4	0.31	4.95
6	0.31	3.3
10	0.41	1.91
16	0.41	1.21
25	0.41	0.78
35	0.41	0.554

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

## ELECTRICAL CHARACTERISTICS

Current Carrying Capacity at 30°C

Nominal Cross Sectional Area mm <sup>2</sup>	Current Rating Amps
0.5	9
0.75	12
1	15
1.5	18
2.5	26
4	34
6	44
10	61
16	82
25	108
35	135

The above table is a guide extracted from DIN VDE 0298 Part 4 and DIN 0100 Part 430

## DE-RATING FACTORS

NO. OF CORES	5	7	10	14	19	24	40
DE-RATING FACTOR	0.75	0.65	0.55	0.50	0.45	0.40	0.35