

DIMENSIONS

No. Of Cores	Nominal Cross Sectional Area mm ²	Thickness Of Outer Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km	A2 Gland Brass	A2P Gland Plastic
2	0.5	0.8	5.2	38	-	20S
2	0.75	0.8	5.7	46	-	20S
2	1	0.8	5.9	52	-	20S
2	1.5	0.9	7.1	75	-	20S
2	2.5	0.9	8.3	108	20S	20
3	0.5	0.8	5.5	44	-	20S
3	0.75	0.8	6.04	54	-	20S
3	1	0.8	6.26	63	-	20S
3	1.5	0.9	7.54	90	-	20S
3	2.5	1	9.04	136	20S	20
3	4	1.1	10.4	210	20S	20
3	6	1.2	11.9	293	20	25
3	10	1.3	14.7	432	25	25
3	16	1.5	17.7	647	25	32
4	0.5	0.8	5.98	53	-	20S
4	0.75	0.8	6.58	66	-	20S
4	1	0.9	7.02	80	-	20S
4	1.5	0.9	8.23	116	20S	20
4	2.5	1	9.87	179	20S	20
4	4	1.1	11.4	238	20S	20
4	6	1.3	13.3	341	20	25
4	10	1.5	16.6	608	25	25
4	16	1.5	19.7	844	25	32
5	0.5	0.8	6.53	64	-	20S
5	0.75	0.9	7.41	83	-	20S
5	1	0.9	7.68	104	-	20S
5	1.5	1	9.23	137	20S	20
5	2.5	1.1	11.05	209	20S	20
5	4	1.3	12.9	321	20	20L
5	6	1.4	14.8	447	25	25
5	10	1.5	18.2	685	25	32
5	16	1.8	21.7	1064	32	32
5	25	1.7	26.7	1510	32	40
7	0.5	0.9	7.3	81	-	20S
7	0.75	0.9	8.05	101	20S	20
7	1	1	8.55	124	20S	20
7	1.5	1	10.05	170	20S	20
7	2.5	1.2	12.25	268	20	25
12	0.5	1	9.7	142	20S	20
12	0.75	1.1	10.94	179	20S	20
12	1	1.1	11.36	225	20S	20
12	1.5	1.2	13	302	20	25
12	2.5	1.4	16.54	478	25	25

No. Of Cores	Nominal Cross Sectional Area mm ²	Thickness Of Outer Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km	A2 Gland Brass	A2P Gland Plastic
18	0.5	1.1	11.5	202	20S	20
18	0.75	1.2	11.9	230	20	25
18	1	1.3	12.9	324	20	25
18	1.5	1.3	14.8	446	25	25
18	2.5	1.6	19.75	692	25	25
25	0.5	1.3	13.8	289	25	25
25	0.75	1.4	15.5	371	25	25
25	1	1.4	16.1	462	25	25
25	1.5	1.6	19.5	630	25	25
25	2.5	1.8	23.5	974	32	32

* These cables are available with colour coded cores

CONDUCTORS

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

Nominal Cross Sectional Area mm ²	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

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 ²	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

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	61
De-Rating Factor	0.75	0.65	0.55	0.50	0.45	0.40	0.35	0.30