

DIMENSIONS

No. Of Cores	Nominal Cross Sectional Area mm ²	Nominal Thickness Of Insulation mm	Nominal Overall Diameter mm	Nominal Weight Kg/Km
1	16 RM	2	18.6	207
1	25 RM	2	20.6	307
1	35 RM	2	22.8	407
1	50 RM	2	26.3	535
1	70 RM	2	30	744
1	95 RM	2	10.2	1009
1	120 RM	2	18.6	1248
1	150 RM	2	20.6	1538
1	185 RM	2	22.8	1917
1	240 RM	2	26.3	2521
1	300 RM	2	30	3400
2	1.5 RE	1	10.2	145
2	2.5 RE	1	11	180
2	4 RE	1	11.8	224
2	6 RE	1	12.8	282
2	10 RE	1	14.4	393
2	16 RM	2	17.3	605
3	1.5 RM	2	10.6	165
3	2.5 RM	2	11.5	209
3	4 RM	2	12.4	268
3	6 RM	2	13.5	344
3	10 RM	2	15.6	506
3	16 RM	2	18	761
3	25 RM	2	22.3	1160
3	35 RM	2	24.9	1522
3	50 RM	2	27.7	198
3	70 RM	2	32	2746
3	95 RM	2	36.5	3712
3	25/16 RM	2	23.4	1335
3	35/16 RM	2	25.7	1683
3	50/25 RM	2	29	2244
3	70/35 RM	2	33.4	3101
3	95/50 RM	2	38.3	4207
3	120/70 RM	2	42.6	5315
4	1.5 RE	1	11.3	192
4	2.5 RE	1	12.3	249
4	4 RE	1	13.3	322
4	6 RE	1	14.5	418
4	10 RE	1	16.8	620
4	16 RM	2	19.8	944
4	25 RM	2	24.3	1452
4	35 RM	2	27.1	1906
4	50 RM	2	30.5	2514
4	70 RM	2	35.3	3497
4	95 RM	2	40.2	4728
4	120 RM	2	44.5	5882
4	150 RM	2	49	7199

No. Of Co REs	Nominal Cross Sectional Area mm ²	Nominal Thickness Of Insulation mm	Nominal Overall Diameter mm	Nominal Weight Kg/Km
5	1.5 RE	1	12.2	228
5	2.5 RE	1	13.3	295
5	4 RE	1	14.4	386
5	6 RE	1	16.1	518
5	10 RE	1	18.3	755
5	16 RM	2	22.2	1187
5	25 RM	2	26.6	1773
5	35 RM	2	29.8	2341
5	50 RM	2	33.7	3100
7	1.5 RE	1	13	274
10	1.5 RE	1	16.4	397
12	1.5 RE	1	16.8	438
19	1.5 RE	1	19.2	606
24	1.5 RE	1	22.6	785
30	1.5 RE	1	23.7	917
7	2.5 RE	1	14.2	358
12	2.5 RE	1	18	580
19	2.5 RE	1	21.8	852
24	2.5 RE	1	25	1054
30	2.5 RE	1	26.3	1245

RE = round conductor, RM = stranded conductor, SM = sectional conductor

CONDUCTORS

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

Nominal Cross Sectional Area mm ²	Maximum Resistance Of Conductor At 20°C	
	Plain Wires ohms/km	Metal-Coated Wires ohms/km
0.5	36	36.7
1.5	12.1	12.2
2.5	7.41	7.56
4	4.61	4.7
6	3.08	3.11
10	1.83	1.84
25	0.727	-
35	0.524	-
50	0.387	-
0.5	36	36.7
1.5	12.1	12.2
2.5	7.41	7.5
4	4.61	4.7
6	3.08	3.11
10	1.83	1.84
15	1.15	1.16
25	0.727	0.734
35	0.524	0.529
50	0.387	0.391

Nominal Cross Sectional Area mm ²	Maximum Resistance Of Conductor At 20°C	
	Plain Wires ohms/km	Metal-Coated Wires ohms/km
70	0.268	0.27
95	0.193	0.195
120	0.153	0.154
150	0.124	0.126
185	0.0991	0.1
240	0.0762	0.0762
300	0.0607	0.0607

ELECTRICAL CHARACTERISTICS

Current Carrying Capacity

Nominal Cross Sectional Area mm ²	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	-