

PVC-INSULATED CABLE 600/1000V, PVC INSULATED, PVC-SHEATHED UNARMoured CABLES

transmission of reliability & brightness



APPLICATION

Power Cables for electricity supply are installed in open air, underground, in cable ducts, outdoor and indoors, power stations, for industry and distribution boards as well as in subscriber networks where mechanical damages are not to be expected. The cables are suitable for continuous operation at a maximum conductor temperature of 70°C.

Conductor:	Circular stranded, circular compact stranded or sector shaped stranded plain annealed Copper wire acc. To IEC60228 class 2	Voltage:	600/1000V
Insulation:	PVC (polyvinyl chloride) compound type A	Temperature:	Maximum 70°C
Identification of cores:	1 core – Red or Black 2 cores – Brown, Blue or Red, black 3 cores – Brown, Black, Grey or Red, Yellow, Blue 4 cores – Brown, Black, Grey, Blue or Red, Yellow, Blue, Black 5 core and above – (number) 1,2,3,4,5,6.., and the number shall be black printed on white cores	Main Specification:	MS 2100; IEC 60502-1
Laying Up:	Cores stranded together. Where necessary, binder tapes and non-hygroscopic fillers may be applied	Testing Voltage:	3500V
Sheath:	PVC (Polyvinyl Chloride) compound type ST1	Min. Bending Radius:	8 x OD
Colour:	Black	Special Properties Upon Request:	Anti-Termite sheath Anti-Rodent sheath UV-Resistant sheath Flame Retardant sheath

PVC-INSULATED CABLE 600/1000V, PVC INSULATED, PVC-SHEATHED UNARMoured CABLES

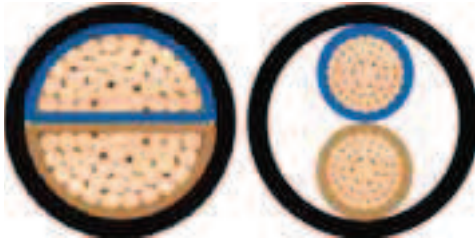


1 core
CU/PVC/PVC

No. of cores no	Nominal cross- sectional area of conductor mm ²	Number of wires no	Thickness of insulation mm	Thickness of oversheath mm	Approx overall diameter mm	Approx net weight kg/km
1	1.5	1	0.8	1.4	6.0	52
1	1.5	7	0.8	1.4	6.2	55
1	2.5	1	0.8	1.4	6.4	65
1	2.5	7	0.8	1.4	6.7	68
1	4	7	1.0	1.4	7.6	95
1	6	7	1.0	1.4	8.2	120
1	10	7	1.0	1.4	9.1	169
1	16	7	1.0	1.4	10.2	236
1	25	7	1.2	1.4	11.9	350
1	35	19	1.2	1.4	13.1	455
1	50	19	1.4	1.4	14.8	595
1	70	19	1.4	1.4	16.6	813
1	95	19	1.6	1.5	19.2	1110
1	120	37	1.6	1.5	21.0	1358
1	150	37	1.8	1.6	23.0	1664
1	185	37	2.0	1.7	25.5	2075
1	240	61	2.2	1.8	29.0	2686
1	300	61	2.4	1.9	32.0	3328
1	400	61	2.6	2.0	36.0	4230
1	500	61	2.8	2.1	40.0	5285
1	630	127	2.8	2.2	44.0	6686
1	800	127	2.8	2.3	48.0	8410
1	1000	127	3.0	2.5	54.0	10545

PVC-INSULATED CABLE 600/1000V, PVC INSULATED, PVC-SHEATHED UNARMoured CABLES

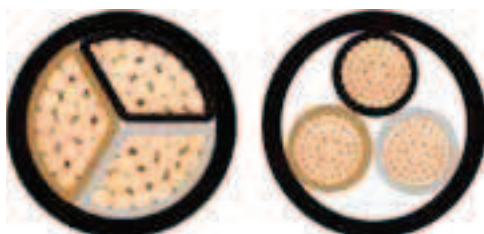
transmission of reliability & brightness



2 cores
CU/PVC/PVC

No. of cores no	Nominal cross- sectional area of conductor mm ²	Number of wires no	Thickness of insulation mm	Thickness of oversheath mm	Approx overall diameter mm	Approx net weight kg/km
2	1.5	7	0.8	1.8	10.2	145
2	2.5	7	0.8	1.8	11.0	180
2	4	7	1.0	1.8	12.9	255
2	6	7	1.0	1.8	14.3	285
2	10	7	1.0	1.8	16.0	395
2	16	7	1.0	1.8	18.0	590
2	25	7	1.2	1.8	21.0	710
2	35	19	1.2	1.8	19.2	930
2	50	19	1.4	1.8	21.6	1225
2	70	19	1.4	1.9	24.3	1680
2	95	19	1.6	2.0	27.8	2280
2	120	37	1.6	2.1	30.2	2805
2	150	37	1.8	2.2	33.2	3430
2	185	37	2.0	2.4	36.9	4285
2	240	61	2.2	2.5	41.5	5565
2	300	61	2.4	2.7	45.9	6965
2	400	61	2.6	2.9	51.1	9020

PVC-INSULATED CABLE 600/1000V, PVC INSULATED, PVC-SHEATHED UNARMoured CABLES



3 cores
CU/PVC/PVC

No. of cores no	Nominal cross- sectional area of conductor mm ²	Number of wires no	Thickness of insulation mm	Thickness of oversheath mm	Approx overall diameter mm	Approx net weight kg/km
3	1.5	7	0.8	1.8	10.5	165
3	2.5	7	0.8	1.8	11.5	210
3	4	7	1.0	1.8	13.5	305
3	6	7	1.0	1.8	15.2	370
3	10	7	1.0	1.8	16.9	515
3	16	7	1.0	1.8	19.2	740
3	25	7	1.2	1.8	22.5	1015
3	35	19	1.2	1.8	22.5	1330
3	50	19	1.4	1.8	25.5	1765
3	70	19	1.4	1.9	29.0	2435
3	95	19	1.6	2.1	33.0	3360
3	120	37	1.6	2.2	38.0	4140
3	150	37	1.8	2.3	43.0	5070
3	185	37	2.0	2.5	48.0	6330
3	240	61	2.2	2.6	52.0	8265
3	300	61	2.4	2.8	54.5	10355
3	400	61	2.6	3.1	60.0	13090

PVC-INSULATED CABLE 600/1000V, PVC INSULATED, PVC-SHEATHED UNARMoured CABLES

transmission of reliability & brightness



4 cores
CU/PVC/PVC

No. of cores no	Nominal cross- sectional area of conductor mm ²	Number of wires no	Thickness of insulation mm	Thickness of oversheath mm	Approx overall diameter mm	Approx net weight kg/km
4	1.5	7	0.8	1.8	11.5	200
4	2.5	7	0.8	1.8	12.5	255
4	4	7	1.0	1.8	14.6	375
4	6	7	1.0	1.8	16.6	455
4	10	7	1.0	1.8	18.6	665
4	16	7	1.0	1.8	21.0	930
4	25	7	1.2	1.8	24.0	1325
4	35	19	1.2	1.8	24.2	1740
4	50	19	1.4	1.9	28.8	2320
4	70	19	1.4	2.0	32.7	3215
4	95	19	1.6	2.2	36.9	4400
4	120	37	1.6	2.3	40.6	5440
4	150	37	1.8	2.5	45.4	6675
4	185	37	2.0	2.6	48.9	8360
4	240	61	2.2	2.8	58.0	10870
4	300	61	2.4	3.1	62.8	13650
4	400	61	2.6	3.3	69.5	17360

PVC-INSULATED CABLE 600/1000V, PVC INSULATED, PVC-SHEATHED UNARMoured CABLES



5 cores
CU/PVC/PVC

No. of cores no	Nominal cross- sectional area of conductor mm ²	Number of wires no	Thickness of insulation mm	Thickness of oversheath mm	Approx overall diameter mm	Approx net weight kg/km
5	1.5	7	0.8	1.8	12.3	230
5	2.5	7	0.8	1.8	13.4	300
5	4	7	1.0	1.8	15.9	438
5	6	7	1.0	1.8	17.5	569
5	10	7	1.0	1.8	20.0	820
5	16	7	1.0	1.8	22.8	1177
5	25	7	1.2	1.8	27.5	1765
5	35	19	1.2	2.0	31.1	2359
5	50	19	1.4	2.1	35.9	3288
5	70	19	1.4	2.3	41.1	4451
5	95	19	1.6	2.5	47.7	5999
5	120	37	1.6	2.6	52.4	7420
5	150	37	1.8	2.8	58.0	9224

PVC-INSULATED CABLE 600/1000V, PVC INSULATED, PVC-SHEATHED UNARMoured CABLES

transmission of reliability & brightness



Multi-cores
CU/PVC/PVC

No. of cores no	Nominal cross- sectional area of conductor mm ²	Number of wires no	Thickness of insulation mm	Thickness of oversheath mm	Approx overall diameter mm	Approx net weight kg/km
6	1.5	7	0.8	1.8	13.2	267
7	1.5	7	0.8	1.8	13.2	286
8	1.5	7	0.8	1.8	14.7	333
9	1.5	7	0.8	1.8	15.8	376
10	1.5	7	0.8	1.8	16.4	409
11	1.5	7	0.8	1.8	16.4	429
12	1.5	7	0.8	1.8	16.9	459
13	1.5	7	0.8	1.8	17.7	497
14	1.5	7	0.8	1.8	17.7	517
15	1.5	7	0.8	1.8	18.6	558
16	1.5	7	0.8	1.8	18.6	577
18	1.5	7	0.8	1.8	19.6	640
19	1.5	7	0.8	1.8	19.6	659
20	1.5	7	0.8	1.8	20.7	706
21	1.5	7	0.8	1.8	20.7	725
22	1.5	7	0.8	1.8	21.7	773
24	1.5	7	0.8	1.8	22.8	841
25	1.5	7	0.8	1.8	22.8	861
26	1.5	7	0.8	1.8	22.8	880
27	1.5	7	0.8	1.8	23.3	913
28	1.5	7	0.8	1.8	24.1	957
30	1.5	7	0.8	1.8	24.1	996
31	1.5	7	0.8	1.8	25.0	1043
32	1.5	7	0.8	1.8	25.0	1063

PVC-INSULATED CABLE

600/1000V, PVC INSULATED, PVC-SHEATHED UNARMoured CABLES



Multi-cores
CU/PVC/PVC

No. of cores no	Nominal cross- sectional area of conductor mm ²	Number of wires no	Thickness of insulation mm	Thickness of oversheath mm	Approx overall diameter mm	Approx net weight kg/km
34	1.5	7	0.8	1.8	26.0	1131
35	1.5	7	0.8	1.8	26.0	1151
36	1.5	7	0.8	1.8	26.0	1170
37	1.5	7	0.8	1.8	26.0	1190
38	1.5	7	0.8	1.8	27.1	1245
40	1.5	7	0.8	1.8	27.1	1284
42	1.5	7	0.8	1.9	28.2	1364
44	1.5	7	0.8	1.9	29.4	1445
46	1.5	7	0.8	1.9	29.4	1484
48	1.5	7	0.8	1.9	29.9	1542
50	1.5	7	0.8	1.9	30.8	1615
6	2.5	7	0.8	1.8	14.5	351
7	2.5	7	0.8	1.8	14.5	380
8	2.5	7	0.8	1.8	16.1	443
9	2.5	7	0.8	1.8	17.4	500
10	2.5	7	0.8	1.8	18.1	547
11	2.5	7	0.8	1.8	18.1	576
12	2.5	7	0.8	1.8	18.7	619
13	2.5	7	0.8	1.8	19.6	671
14	2.5	7	0.8	1.8	19.6	700
15	2.5	7	0.8	1.8	20.6	756
16	2.5	7	0.8	1.8	20.6	786
18	2.5	7	0.8	1.8	21.7	873
19	2.5	7	0.8	1.8	21.7	903

PVC-INSULATED CABLE 600/1000V, PVC INSULATED, PVC-SHEATHED UNARMoured CABLES

transmission of reliability & brightness



Multi-cores
CU/PVC/PVC

No. of cores no	Nominal cross- sectional area of conductor mm ²	Number of wires no	Thickness of insulation mm	Thickness of oversheath mm	Approx overall diameter mm	Approx net weight kg/km
20	2.5	7	0.8	1.8	22.9	965
21	2.5	7	0.8	1.8	22.9	995
22	2.5	7	0.8	1.8	24.1	1059
24	2.5	7	0.8	1.8	25.3	1154
25	2.5	7	0.8	1.8	25.3	1183
26	2.5	7	0.8	1.8	25.3	1213
27	2.5	7	0.8	1.8	25.9	1259
28	2.5	7	0.8	1.8	26.8	1320
30	2.5	7	0.8	1.8	26.8	1379
31	2.5	7	0.8	1.8	27.9	1447
32	2.5	7	0.8	1.8	27.9	1447
34	2.5	7	0.8	1.9	29.1	1578
35	2.5	7	0.8	1.9	29.1	1607
36	2.5	7	0.8	1.9	29.1	1637
37	2.5	7	0.8	1.9	29.1	1666
38	2.5	7	0.8	1.9	30.4	1744
40	2.5	7	0.8	1.9	30.4	1803
42	2.5	7	0.8	2.0	31.7	1913
44	2.5	7	0.8	2.0	33.0	2024
46	2.5	7	0.8	2.0	33.0	2083
48	2.5	7	0.8	2.0	33.5	2167
50	2.5	7	0.8	2.1	34.5	2269
6	4.0	7	1.0	1.8	17.3	515
7	4.0	7	1.0	1.8	17.3	561

PVC-INSULATED CABLE 600/1000V, PVC INSULATED, PVC-SHEATHED UNARMoured CABLES



Multi-cores
CU/PVC/PVC

No. of cores no	Nominal cross- sectional area of conductor mm ²	Number of wires no	Thickness of insulation mm	Thickness of oversheath mm	Approx overall diameter mm	Approx net weight kg/km
8	4.0	7	1.0	1.8	19.3	657
9	4.0	7	1.0	1.8	20.9	744
10	4.0	7	1.0	1.8	21.9	815
11	4.0	7	1.0	1.8	21.9	862
12	4.0	7	1.0	1.8	22.6	929
13	4.0	7	1.0	1.8	23.7	1008
14	4.0	7	1.0	1.8	23.7	1054
15	4.0	7	1.0	1.8	25.0	1140
16	4.0	7	1.0	1.8	25.0	1187
18	4.0	7	1.0	1.8	26.4	1323
19	4.0	7	1.0	1.8	26.4	1370
20	4.0	7	1.0	1.9	28.0	1472
21	4.0	7	1.0	1.9	28.0	1519
22	4.0	7	1.0	1.9	29.7	1627
24	4.0	7	1.0	2.0	31.3	1782
25	4.0	7	1.0	2.0	31.3	1829
26	4.0	7	1.0	2.0	31.3	1876
27	4.0	7	1.0	2.0	32.0	1952
28	4.0	7	1.0	2.0	33.3	2051
30	4.0	7	1.0	2.0	33.3	2145
31	4.0	7	1.0	2.1	34.7	2252
32	4.0	7	1.0	2.1	34.7	2299
34	4.0	7	1.0	2.1	36.1	2457
35	4.0	7	1.0	2.1	36.1	2504

PVC-INSULATED CABLE 600/1000V, PVC INSULATED, PVC-SHEATHED UNARMoured CABLES

transmission of reliability & brightness



Multi-cores
CU/PVC/PVC

No. of cores no	Nominal cross- sectional area of conductor mm ²	Number of wires no	Thickness of insulation mm	Thickness of oversheath mm	Approx overall diameter mm	Approx net weight kg/km
36	4.0	7	1.0	2.1	36.1	2551
37	4.0	7	1.0	2.1	36.1	2598
38	4.0	7	1.0	2.2	37.7	2719
40	4.0	7	1.0	2.2	37.7	2812
42	4.0	7	1.0	2.2	39.4	2986
44	4.0	7	1.0	2.3	41.0	3160
46	4.0	7	1.0	2.3	41.0	3254
48	4.0	7	1.0	2.3	41.7	3385
50	4.0	7	1.0	2.3	43.0	3545
6	6.0	7	1.0	1.8	19.0	671
7	6.0	7	1.0	1.8	19.0	738
8	6.0	7	1.0	1.8	21.3	862
9	6.0	7	1.0	1.8	23.1	978
10	6.0	7	1.0	1.8	24.1	1074
6	10	7	1.0	1.8	21.8	972
7	10	7	1.0	1.8	21.8	1076
8	10	7	1.0	1.8	24.5	1258
9	10	7	1.0	1.8	26.7	1428
10	10	7	1.0	1.8	27.9	1578