

PVC-INSULATED CABLE

600/1000V, PVC INSULATED, PVC-SHEATHED

ARMOURED CABLES

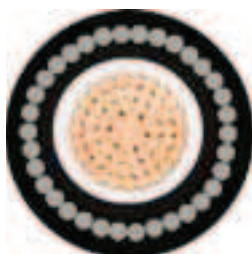
APPLICATION

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 BS6360 class 2	Voltage:	600/1000V
Insulation:	PVC(polyvinyl chloride) compound type T11	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 2101, MS 2103, IEC 60502-1
Laying Up:	Cores stranded together. Where necessary, binder tapes and non-hygroscopic fillers May be applied	Testing Voltage:	3500V
Bedding:	Extruded PVC compound	Min. Bending Radius:	20 × OD
Colour:	Black	Special Properties	Anti-Termite sheath
Armour:	Single core – consist of a single layer of non-magnetic material, such as aluminum wire Two core and above – consist of a single Layer of galvanized steel wires	Upon Request:	Anti-Rodent sheath UV-Resistant sheath Flame Retardant sheath
Sheath:	PVC (Polyvinyl Chloride) compound type ST1		
Colour:	Black		

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transmission of reliability & brightness



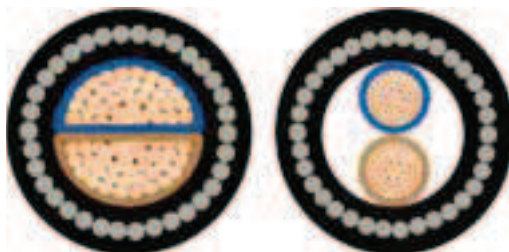
1 core
CU/PVC/PVC/AWA/PVC

No. of cores	Nominal cross- sectional area of conductor	Number of wires	Thickness of insulation	Nom. Thickness of Bedding	Nom. Dia. of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight
no	mm ²	no	mm	mm	mm	mm	mm	kg/km
1	70	19	1.4	1.0	1.25	1.6	21.1	1090
1	95	19	1.6	1.0	1.25	1.6	23.4	1410
1	120	37	1.6	1.0	1.6	1.7	26.3	1790
1	150	37	1.8	1.0	1.6	1.7	28.3	2110
1	185	37	2.0	1.0	1.6	1.8	30.8	2560
1	240	61	2.2	1.0	1.6	1.9	34.1	3260
1	300	61	2.4	1.0	1.6	1.9	37.0	3970
1	400	61	2.6	1.2	2.0	2.1	42.0	5100
1	500	61	2.8	1.2	2.0	2.1	45.6	6230
1	630	127	2.8	1.2	2.0	2.2	49.7	7720
1	800	127	2.8	1.4	2.5	2.8	56.0	10108
1	1000	127	3.0	1.6	2.5	3.0	61.7	12449

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2 cores
CU/PVC/PVC/SWA/PVC

No. of cores	Nominal cross- sectional area of conductor	Number of wires	Thickness of insulation	Nom. Thickness of Bedding	Nom. Dia. of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight
no	mm ²	no	mm	mm	mm	mm	mm	kg/km
2	1.5	7	0.8	1.0	0.9	1.8	14.0	290
2	2.5	7	0.8	1.0	0.9	1.8	14.6	350
2	4	7	1.0	1.0	0.9	1.8	16.4	435
2	6	7	1.0	1.0	1.25	1.8	18.0	520
2	10	7	1.0	1.0	1.25	1.8	20.0	850
2	16	7	1.0	1.0	1.25	1.8	22.0	1030
2	25	7	1.2	1.0	1.6	1.8	23.5	1640
2	35	19	1.2	1.0	1.6	1.8	24.5	1735
2	50	19	1.4	1.0	1.6	1.9	27.0	2080
2	70	19	1.4	1.0	1.6	2.0	31.0	2610
2	95	19	1.6	1.2	2.0	2.2	35.0	3650
2	120	37	1.6	1.2	2.0	2.3	38.0	4280
2	150	37	1.8	1.2	2.0	2.4	41.0	5050
2	185	37	2.0	1.4	2.5	2.6	47.0	6530
2	240	61	2.2	1.4	2.5	2.8	51.8	8150
2	300	61	2.4	1.6	2.5	2.9	56.8	9850
2	400	61	2.6	1.6	2.5	3.2	61.5	11950

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transmission of reliability & brightness



3 cores
CU/PVC/PVC/SWA/PVC

No. of cores no	Nominal cross- sectional area of conductor mm ²	Number of wires no	Thickness of insulation mm	Nom. Thicness of Bedding mm	Nom. Diameter of Armour Wire mm	Thickness of oversheath mm	Approx overall diameter mm	Approx net weight kg/km
3	1.5	7	0.8	1.0	0.9	1.8	13.0	330
3	2.5	7	0.8	1.0	0.9	1.8	14.1	420
3	4	7	1.0	1.0	1.25	1.8	15.8	520
3	6	7	1.0	1.0	1.25	1.8	18.0	720
3	10	7	1.0	1.0	1.25	1.8	21.2	990
3	16	7	1.0	1.0	1.25	1.8	23.1	1240
3	25	7	1.2	1.0	1.6	1.8	28.2	1900
3	35	19	1.2	1.0	1.6	1.8	27.3	2220
3	50	19	1.4	1.0	1.6	1.9	30.5	2730
3	70	19	1.4	1.2	2.0	2.0	35.0	3820
3	95	19	1.6	1.2	2.0	2.1	39.3	4850
3	120	37	1.6	1.2	2.0	2.2	42.2	5780
3	150	37	1.8	1.4	2.5	2.4	47.5	7330
3	185	37	2.0	1.4	2.5	2.5	51.9	8830
3	240	61	2.2	1.6	2.5	2.6	57.8	11140
3	300	61	2.4	1.6	2.5	2.8	63.2	13500
3	400	61	2.6	1.6	3.15	3.0	69.6	16750

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4 cores
CU/PVC/PVC/SWA/PVC

No. of cores	Nominal cross- sectional area of conductor	Number of wires	Thickness of insulation	Nom. Thickness of Bedding	Nom. Diameter of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight
no	mm ²	no	mm	mm	mm	mm	mm	kg/km
4	1.5	7	0.8	1.0	0.9	1.8	13.8	380
4	2.5	7	0.7	1.0	0.9	1.8	15.0	465
4	4	7	0.8	1.0	1.25	1.8	17.8	710
4	6	7	0.8	1.0	1.25	1.8	19.2	835
4	10	7	1.0	1.0	1.25	1.8	22.8	1175
4	16	7	1.0	1.0	1.6	1.8	26.3	1730
4	25	7	1.2	1.0	1.6	1.8	30.7	2350
4	35 (S)	19	1.2	1.0	1.6	1.9	30.5	2710
4	50 (S)	19	1.4	1.2	2.0	2.0	35.4	3850
4	70 (S)	19	1.4	1.2	2.0	2.1	39.2	4910
4	95 (S)	19	1.6	1.2	2.0	2.2	44.3	6370
4	120 (S)	37	1.6	1.4	2.5	2.4	49.3	8075
4	150 (S)	37	1.8	1.4	2.5	2.5	53.6	9540
4	185 (S)	37	2.0	1.6	2.5	2.6	59.0	11640
4	240 (S)	61	2.2	1.6	2.5	2.8	65.7	14650
4	300 (S)	61	2.4	1.6	2.5	3.0	72.0	17730
4	400 (S)	61	2.6	1.8	3.15	4.0	92.5	25248

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transmission of reliability & brightness



Multi-cores CU/PVC/PVC/SWA/PVC

No. of cores no	Nominal cross- sectional area of conductor mm ²	Number of wires no	Thickness of insulation mm	Nom. Thickness of Bedding mm	Nom. Diameter of Armour Wire mm	Thickness of oversheath mm	Approx overall diameter mm	Approx net weight kg/km
6	1.5	7	0.8	1.0	1.25	1.8	17.7	86
7	1.5	7	0.8	1.0	1.25	1.8	17.7	101
8	1.5	7	0.8	1.0	1.25	1.8	19.2	115
9	1.5	7	0.8	1.0	1.25	1.8	20.3	130
10	1.5	7	0.8	1.0	1.25	1.8	20.9	144
11	1.5	7	0.8	1.0	1.25	1.8	20.9	158
12	1.5	7	0.8	1.0	1.6	1.8	22.1	1112
13	1.5	7	0.8	1.0	1.6	1.8	22.9	1178
14	1.5	7	0.8	1.0	1.6	1.8	22.9	1198
15	1.5	7	0.8	1.0	1.6	1.8	23.8	1273
16	1.5	7	0.8	1.0	1.6	1.8	23.8	1292
18	1.5	7	0.8	1.0	1.6	1.8	24.8	1390
19	1.5	7	0.8	1.0	1.6	1.8	24.8	1409
20	1.5	7	0.8	1.0	1.6	1.8	25.8	1494
21	1.5	7	0.8	1.0	1.6	1.8	25.9	1514
22	1.5	7	0.8	1.0	1.6	1.8	27.0	1604
24	1.5	7	0.8	1.0	1.6	1.9	28.1	1715
25	1.5	7	0.8	1.0	1.6	1.9	28.1	1735

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No. of cores no	Nominal cross- sectional area of conductor mm ²	Number of wires no	Thickness of insulation mm	Nom. Thickness of Bedding mm	Nom. Diameter of Armour Wire mm	Thickness of oversheath mm	Approx overall diameter mm	Approx net weight kg/km
26	1.5	7	0.8	1.0	1.6	1.9	28.1	1755
27	1.5	7	0.8	1.0	1.6	1.9	28.6	1808
28	1.5	7	0.8	1.0	1.6	1.9	29.5	1886
30	1.5	7	0.8	1.0	1.6	1.9	29.5	1925
31	1.5	7	0.8	1.0	1.6	1.9	30.5	2011
32	1.5	7	0.8	1.0	1.6	1.9	30.5	2031
34	1.5	7	0.8	1.0	1.6	2.0	31.5	2140
35	1.5	7	0.8	1.0	1.6	2.0	31.5	2160
36	1.5	7	0.8	1.0	1.6	2.0	31.5	2179
37	1.5	7	0.8	1.0	1.6	2.0	31.5	2199
38	1.5	7	0.8	1.0	2.0	2.0	33.5	2539
40	1.5	7	0.8	1.0	2.0	2.0	33.5	2578
42	1.5	7	0.8	1.0	2.0	2.0	34.7	2708
44	1.5	7	0.8	1.2	2.0	2.1	36.2	2888
46	1.5	7	0.8	1.2	2.0	2.1	36.2	2907
48	1.5	7	0.8	1.2	2.0	2.1	36.7	3008
50	1.5	7	0.8	1.2	2.0	2.2	37.6	3121

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No. of cores no	Nominal cross- sectional area of conductor mm ²	Number of wires no	Thickness of insulation mm	Nom. Thickness of Bedding mm	Nom. Diameter of Armour Wire mm	Thickness of oversheath mm	Approx overall diameter mm	Approx net weight kg/km
6	2.5	7	0.8	1.0	1.25	1.8	19.0	799
7	2.5	7	0.8	1.0	1.25	1.8	20.6	828
8	2.5	7	0.8	1.0	1.25	1.8	22.6	939
9	2.5	7	0.8	1.0	1.6	1.8	23.3	1169
10	2.5	7	0.8	1.0	1.6	1.8	23.3	1241
11	2.5	7	0.8	1.0	1.6	1.8	23.3	1271
12	2.5	7	0.8	1.0	1.6	1.8	23.9	1335
13	2.5	7	0.8	1.0	1.6	1.8	24.8	1420
14	2.5	7	0.8	1.0	1.6	1.8	24.8	1449
15	2.5	7	0.8	1.0	1.6	1.8	25.8	1543
16	2.5	7	0.8	1.0	1.6	1.8	25.8	1573
18	2.5	7	0.8	1.0	1.6	1.8	26.9	1702
19	2.5	7	0.8	1.0	1.6	1.8	26.9	1732
20	2.5	7	0.8	1.0	1.6	1.9	28.2	1843
21	2.5	7	0.8	1.0	1.6	1.9	28.2	1873
22	2.5	7	0.8	1.0	1.6	1.9	29.5	1989
24	2.5	7	0.8	1.0	1.6	1.9	29.5	2134
25	2.5	7	0.8	1.0	1.6	1.9	30.8	2164

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No. of cores no	Nominal cross- sectional area of conductor mm ²	Number of wires no	Thickness of insulation mm	Nom. Thickness of Bedding mm	Nom. Diameter of Armour Wire mm	Thickness of oversheath mm	Approx overall diameter mm	Approx net weight kg/km
26	2.5	7	0.8	1.0	1.6	1.9	30.8	2193
27	2.5	7	0.8	1.0	1.6	2.0	31.4	2263
28	2.5	7	0.8	1.0	2.0	2.0	33.2	2602
30	2.5	7	0.8	1.0	2.0	2.0	33.2	2661
31	2.5	7	0.8	1.0	2.0	2.0	34.4	2778
32	2.5	7	0.8	1.0	2.0	2.0	34.4	2808
34	2.5	7	0.8	1.2	2.0	2.1	35.9	3009
35	2.5	7	0.8	1.2	2.0	2.1	35.9	3039
36	2.5	7	0.8	1.2	2.0	2.1	35.9	3068
37	2.5	7	0.8	1.2	2.0	2.1	35.9	3098
38	2.5	7	0.8	1.2	2.0	2.2	37.2	3232
40	2.5	7	0.8	1.2	2.0	2.2	37.2	3291
42	2.5	7	0.8	1.2	2.0	2.2	38.5	3460
44	2.5	7	0.8	1.2	2.0	2.2	39.8	3628
46	2.5	7	0.8	1.2	2.0	2.2	39.8	3687
48	2.5	7	0.8	1.2	2.0	2.3	40.4	3796
50	2.5	7	0.8	1.2	2.0	2.3	41.4	3943

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transmission of reliability & brightness



Multi-cores CU/PVC/PVC/SWA/PVC

No. of cores no	Nominal cross- sectional area of conductor mm ²	Number of wires no	Thickness of insulation mm	Nom. Thickness of Bedding mm	Nom. Diameter of Armour Wire mm	Thickness of oversheath mm	Approx overall diameter mm	Approx net weight kg/km
6	4.0	7	1.0	1.0	1.6	1.8	22.5	1181
7	4.0	7	1.0	1.0	1.6	1.8	22.5	1227
8	4.0	7	1.0	1.0	1.6	1.8	24.5	1397
9	4.0	7	1.0	1.0	1.6	1.8	26.1	1543
10	4.0	7	1.0	1.0	1.6	1.8	27.1	1650
11	4.0	7	1.0	1.0	1.6	1.8	27.1	1697
12	4.0	7	1.0	1.0	1.6	1.8	27.9	1794
13	4.0	7	1.0	1.0	1.6	1.9	29.1	1921
14	4.0	7	1.0	1.0	1.6	1.9	29.1	1967
15	4.0	7	1.0	1.0	1.6	1.9	30.5	2109
16	4.0	7	1.0	1.0	1.6	1.9	30.5	2156
18	4.0	7	1.0	1.0	1.6	2.0	32.0	2350
19	4.0	7	1.0	1.0	1.6	2.0	32.0	2397
20	4.0	7	1.0	1.0	2.0	2.1	34.4	2806
21	4.0	7	1.0	1.2	2.0	2.1	34.4	2853
22	4.0	7	1.0	1.2	2.0	2.1	36.5	3083
24	4.0	7	1.0	1.2	2.0	2.2	38.1	3311
25	4.0	7	1.0	1.2	2.0	2.2	38.1	3357

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26	4.0	7	1.0	1.2	2.0	2.2	38.1	3404
27	4.0	7	1.0	1.2	2.0	2.2	38.8	3513
28	4.0	7	1.0	1.2	2.0	2.2	40.1	3668
30	4.0	7	1.0	1.2	2.0	2.2	40.1	3762
31	4.0	7	1.0	1.2	2.0	2.3	41.5	3932
32	4.0	7	1.0	1.2	2.0	2.3	41.5	3979
34	4.0	7	1.0	1.2	2.0	2.3	43.0	4203
35	4.0	7	1.0	1.2	2.0	2.3	43.0	4249
36	4.0	7	1.0	1.2	2.0	2.3	43.0	4296
37	4.0	7	1.0	1.2	2.0	2.3	43.0	4343
38	4.0	7	1.0	1.2	2.5	2.4	45.7	4953
40	4.0	7	1.0	1.2	2.5	2.4	45.7	5047
42	4.0	7	1.0	1.2	2.5	2.5	47.3	5263
44	4.0	7	1.0	1.4	2.5	2.5	49.3	5638
46	4.0	7	1.0	1.4	2.5	2.5	49.3	5732
48	4.0	7	1.0	1.4	2.5	2.6	50.1	5903
50	4.0	7	1.0	1.4	2.5	2.6	51.3	6134

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No. of cores no	Nominal cross-sectional area of conductor mm ²	Number of wires no	Thickness of insulation mm	Nom. Thickness of Bedding mm	Nom. Diameter of Armour Wire mm	Thickness of oversheath mm	Approx overall diameter mm	Approx net weight kg/km
6	6	7	1.0	1.0	1.6	1.8	24.2	1400
7	6	7	1.0	1.0	1.6	1.8	24.2	1466
8	6	7	1.0	1.0	1.6	1.8	26.5	1675
9	6	7	1.0	1.0	1.6	1.9	28.4	1865
10	6	7	1.0	1.0	1.6	1.9	29.5	2004
6	10	7	1.0	1.0	1.6	1.8	27.0	1805
7	10	7	1.0	1.0	1.6	1.8	27.0	1909
8	10	7	1.0	1.0	1.6	1.9	30.0	2205
9	10	7	1.0	1.0	2.0	2.0	33.1	2703
10	10	7	1.0	1.0	2.0	2.1	34.4	2909