



Applications

For use in duct, tray and for direct burying in ground. The cable is subject to immerse in water all the line.

Cable Construction

Conductor	Concentric Stranded annealed copper wires, Sizes: 0.5 mm ² up to 6 mm ²
Insulation	Polyvinyl chloride (PVC)
Color	2-4 cores : Black, White, Red and Green
	More than 4 cores : Black core with marking numbers
Filler	Non-hygroscopic material(optional)
Binding tape	Polyester (Mylar) tape (optional)
Inner sheath	Polyvinyl chloride (PVC), Black color
Armour	Galvanized steel wire
Separator Tape	Polyester (Mylar) tape
Outer sheath	Polyvinyl chloride (PVC), Black color(A Special FR-PVC flame retardant sheath can be supplied)

Technical Characteristics

Maximum conductor temperature 70°C
Circuit voltage not exceeding 600 volts
Test voltage 3500 volts

Cable Parameter

Cables to IEC 60502-1

No. of cores	Conductor			Thickness of insulation	Thickness of inner Sheath	Diameter of steel wire armour	Thickness of outer Sheath	Overall diameter	Maximum conductor resistance (at 20°C)	Minimum insulation resistance (at 70°C)	Cable weight
	Nominal cross sectional area	No.& dia. of wires	Diameter								
	mm ²	mm	mm								
2	0.5	7/0.30	0.9	0.8	1	0.8	1.8	14.5	36	0.0162	300
2	0.75	7/0.37	1.11	0.8	1	0.8	1.8	15	24.5	0.0142	320
2	1	7/0.43	1.29	0.8	1	0.8	1.8	15.5	18.1	0.0128	340
2	1.5	7/0.52	1.56	0.8	1	0.8	1.8	16	12.1	0.0112	370

2	2.5	7/0.67	2.01	0.8	1	0.8	1.8	17	7.41	0.0093	430
2	4	7/0.85	2.55	1	1	1.25	1.8	20	4.61	0.0092	670
2	6	7/1.04	3.12	1	1	1.25	1.8	21	3.08	0.0078	760
3	0.5	7/0.30	0.9	0.8	1	0.8	1.8	15	36	0.0162	320
3	0.75	7/0.37	1.11	0.8	1	0.8	1.8	15.5	24.5	0.0142	350
3	1	7/0.43	1.29	0.8	1	0.8	1.8	16	18.1	0.0128	370
3	1.5	7/0.52	1.56	0.8	1	0.8	1.8	16.5	12.1	0.0112	410
3	2.5	7/0.67	2.01	0.8	1	0.8	1.8	17.5	7.41	0.0093	480
3	4	7/0.85	2.55	1	1	1.25	1.8	20.5	4.61	0.0092	750
3	6	7/1.04	3.12	1	1	1.25	1.8	22	3.08	0.0078	870
4	0.5	7/0.30	0.9	0.8	1	0.8	1.8	16	36	0.0162	360
4	0.75	7/0.37	1.11	0.8	1	0.8	1.8	16.5	24.5	0.0142	390
4	1	7/0.43	1.29	0.8	1	0.8	1.8	17	18.1	0.0128	420
4	1.5	7/0.52	1.56	0.8	1	0.8	1.8	17.5	12.1	0.0112	460
4	2.5	7/0.67	2.01	0.8	1	1.25	1.8	19.5	7.41	0.0093	660
4	4	7/0.85	2.55	1	1	1.25	1.8	22	4.61	0.0092	860
4	6	7/1.04	3.12	1	1	1.25	1.8	23.5	3.08	0.0078	1010
5	0.5	7/0.30	0.9	0.8	1	0.8	1.8	16.5	36	0.0162	400
5	0.75	7/0.37	1.11	0.8	1	0.8	1.8	17.5	24.5	0.0142	430
5	1	7/0.43	1.29	0.8	1	0.8	1.8	18	18.1	0.0128	470
5	1.5	7/0.52	1.56	0.8	1	1.25	1.8	19.5	12.1	0.0112	640
5	2.5	7/0.67	2.01	0.8	1	1.25	1.8	20.5	7.41	0.0093	760
5	4	7/0.85	2.55	1	1	1.25	1.8	23.5	4.61	0.0092	990
5	6	7/1.04	3.12	1	1	1.25	1.8	25	3.08	0.0078	1170
6	0.5	7/0.30	0.9	0.8	1	0.8	1.8	17.5	36	0.0162	420
6	0.75	7/0.37	1.11	0.8	1	0.8	1.8	18	24.5	0.0142	470
6	1	7/0.43	1.29	0.8	1	1.25	1.8	19.5	18.1	0.0128	620
6	1.5	7/0.52	1.56	0.8	1	1.25	1.8	20.5	12.1	0.0112	690
6	2.5	7/0.67	2.01	0.8	1	1.25	1.8	22	7.41	0.0093	820
6	4	7/0.85	2.55	1	1	1.25	1.8	25	4.61	0.0092	1070
6	6	7/1.04	3.12	1	1	1.6	1.8	27	3.08	0.0078	1420
7	0.5	7/0.30	0.9	0.8	1	0.8	1.8	17.5	36	0.0162	430

7	0.75	7/0.37	1.11	0.8	1	0.8	1.8	18	24.5	0.0142	480
7	1	7/0.43	1.29	0.8	1	1.25	1.8	19.5	18.1	0.0128	630
7	1.5	7/0.52	1.56	0.8	1	1.25	1.8	20.5	12.1	0.0112	700
7	2.5	7/0.67	2.01	0.8	1	1.25	1.8	22	7.41	0.0093	840
7	4	7/0.85	2.55	1	1	1.25	1.8	25	4.61	0.0092	1100
7	6	7/1.04	3.12	1	1	1.6	1.8	27	3.08	0.0078	1470
8	0.5	7/0.30	0.9	0.8	1	1.25	1.8	19.5	36	0.0162	580
8	0.75	7/0.37	1.11	0.8	1	1.25	1.8	20	24.5	0.0142	640
8	1	7/0.43	1.29	0.8	1	1.25	1.8	20.5	18.1	0.0128	690
8	1.5	7/0.52	1.56	0.8	1	1.25	1.8	21.5	12.1	0.0112	770
8	2.5	7/0.67	2.01	0.8	1	1.25	1.8	23	7.41	0.0093	930
8	4	7/0.85	2.55	1	1	1.6	1.8	27	4.61	0.0092	1370
8	6	7/1.04	3.12	1	1	1.6	1.8	29	3.08	0.0078	1640
9	0.5	7/0.30	0.9	0.8	1	1.25	1.8	20	36	0.0162	640
9	0.75	7/0.37	1.11	0.8	1	1.25	1.8	21	24.5	0.0142	700
9	1	7/0.43	1.29	0.8	1	1.25	1.8	21.5	18.1	0.0128	750
9	1.5	7/0.52	1.56	0.8	1	1.25	1.8	22.5	12.1	0.0112	840
9	2.5	7/0.67	2.01	0.8	1	1.25	1.8	24	7.41	0.0093	1010
9	4	7/0.85	2.55	1	1	1.6	1.8	28.5	4.61	0.0092	1500
9	6	7/1.04	3.12	1	1	1.6	1.8	30.5	3.08	0.0078	1800
10	0.5	7/0.30	0.9	0.8	1	1.25	1.8	21	36	0.0162	680
10	0.75	7/0.37	1.11	0.8	1	1.25	1.8	22	24.5	0.0142	740
10	1	7/0.43	1.29	0.8	1	1.25	1.8	23	18.1	0.0128	810
10	1.5	7/0.52	1.56	0.8	1	1.25	1.8	24	12.1	0.0112	910
10	2.5	7/0.67	2.01	0.8	1	1.6	1.8	26.5	7.41	0.0093	1240
10	4	7/0.85	2.55	1	1	1.6	1.8	30.5	4.61	0.0092	1620
10	6	7/1.04	3.12	1	1	1.6	1.9	33	3.08	0.0078	1980
11	0.5	7/0.30	0.9	0.8	1	1.25	1.8	21.5	36	0.0162	710
11	0.75	7/0.37	1.11	0.8	1	1.25	1.8	22.5	24.5	0.0142	790
11	1	7/0.43	1.29	0.8	1	1.25	1.8	23.5	18.1	0.0128	850
11	1.5	7/0.52	1.56	0.8	1	1.25	1.8	24.5	12.1	0.0112	960
11	2.5	7/0.67	2.01	0.8	1	1.6	1.8	27	7.41	0.0093	1310

11	4	7/0.85	2.55	1	1	1.6	1.8	31	4.61	0.0092	1750
11	6	7/1.04	3.12	1	1	1.6	1.9	33.5	3.08	0.0078	2130
12	0.5	7/0.30	0.9	0.8	1	1.25	1.8	21.5	36	0.0162	720
12	0.75	7/0.37	1.11	0.8	1	1.25	1.8	22.5	24.5	0.0142	800
12	1	7/0.43	1.29	0.8	1	1.25	1.8	23.5	18.1	0.0128	860
12	1.5	7/0.52	1.56	0.8	1	1.25	1.8	24.5	12.1	0.0112	980
12	2.5	7/0.67	2.01	0.8	1	1.6	1.8	27	7.41	0.0093	1330
12	4	7/0.85	2.55	1	1	1.6	1.8	31	4.61	0.0092	1780
12	6	7/1.04	3.12	1	1	1.6	1.9	33.5	3.08	0.0078	2190
13	0.5	7/0.30	0.9	0.8	1	1.25	1.8	22.5	36	0.0162	760
13	0.75	7/0.37	1.11	0.8	1	1.25	1.8	23.5	24.5	0.0142	840
13	1	7/0.43	1.29	0.8	1	1.25	1.8	24	18.1	0.0128	920
13	1.5	7/0.52	1.56	0.8	1	1.6	1.8	26	12.1	0.0112	1190
13	2.5	7/0.67	2.01	0.8	1	1.6	1.8	28	7.41	0.0093	1430
13	4	7/0.85	2.55	1	1	1.6	1.8	32.5	4.61	0.0092	1910
13	6	7/1.04	3.12	1	1	1.6	1.9	35	3.08	0.0078	2350
14	0.5	7/0.30	0.9	0.8	1	1.25	1.8	22.5	36	0.0162	770
14	0.75	7/0.37	1.11	0.8	1	1.25	1.8	23.5	24.5	0.0142	850
14	1	7/0.43	1.29	0.8	1	1.25	1.8	24	18.1	0.0128	930
14	1.5	7/0.52	1.56	0.8	1	1.6	1.8	26	12.1	0.0112	1200
14	2.5	7/0.67	2.01	0.8	1	1.6	1.8	28	7.41	0.0093	1450
14	4	7/0.85	2.55	1	1	1.6	1.8	32.5	4.61	0.0092	1950
14	6	7/1.04	3.12	1	1	1.6	1.9	35	3.08	0.0078	2400
15	0.5	7/0.30	0.9	0.8	1	1.25	1.8	23	36	0.0162	820
15	0.75	7/0.37	1.11	0.8	1	1.25	1.8	24	24.5	0.0142	920
15	1	7/0.43	1.29	0.8	1	1.25	1.8	25	18.1	0.0128	1000
15	1.5	7/0.52	1.56	0.8	1	1.6	1.8	27	12.1	0.0112	1280
15	2.5	7/0.67	2.01	0.8	1	1.6	1.8	29	7.41	0.0093	1560
15	4	7/0.85	2.55	1	1	1.6	1.9	34	4.61	0.0092	2120
15	6	7/1.04	3.12	1	1	1.6	2	37	3.08	0.0078	2600
16	0.5	7/0.30	0.9	0.8	1	1.25	1.8	23	36	0.0162	830
16	0.75	7/0.37	1.11	0.8	1	1.25	1.8	24	24.5	0.0142	930

16	1	7/0.43	1.29	0.8	1	1.25	1.8	25	18.1	0.0128	1010
16	1.5	7/0.52	1.56	0.8	1	1.6	1.8	27	12.1	0.0112	1300
16	2.5	7/0.67	2.01	0.8	1	1.6	1.8	29	7.41	0.0093	1580
16	4	7/0.85	2.55	1	1	1.6	1.9	34	4.61	0.0092	2160
16	6	7/1.04	3.12	1	1	1.6	2	37	3.08	0.0078	2660
17	0.5	7/0.30	0.9	0.8	1	1.25	1.8	24	36	0.0162	880
17	0.75	7/0.37	1.11	0.8	1	1.25	1.8	25	24.5	0.0142	980
17	1	7/0.43	1.29	0.8	1	1.6	1.8	26.5	18.1	0.0128	1220
17	1.5	7/0.52	1.56	0.8	1	1.6	1.8	28	12.1	0.0112	1390
17	2.5	7/0.67	2.01	0.8	1	1.6	1.8	30	7.41	0.0093	1690
17	4	7/0.85	2.55	1	1	1.6	1.9	35.5	4.61	0.0092	2320
17	6	7/1.04	3.12	1	1	2	2	39.5	3.08	0.0078	3120
18	0.5	7/0.30	0.9	0.8	1	1.25	1.8	24	36	0.0162	890
18	0.75	7/0.37	1.11	0.8	1	1.25	1.8	25	24.5	0.0142	990
18	1	7/0.43	1.29	0.8	1	1.6	1.8	26.5	18.1	0.0128	1230
18	1.5	7/0.52	1.56	0.8	1	1.6	1.8	28	12.1	0.0112	1400
18	2.5	7/0.67	2.01	0.8	1	1.6	1.8	30	7.41	0.0093	1700
18	4	7/0.85	2.55	1	1	1.6	1.9	35.5	4.61	0.0092	2350
18	6	7/1.04	3.12	1	1	2	2	39.5	3.08	0.0078	3170
19	0.5	7/0.30	0.9	0.8	1	1.25	1.8	24	36	0.0162	900
19	0.75	7/0.37	1.11	0.8	1	1.25	1.8	25	24.5	0.0142	1000
19	1	7/0.43	1.29	0.8	1	1.6	1.8	26.5	18.1	0.0128	1240
19	1.5	7/0.52	1.56	0.8	1	1.6	1.8	28	12.1	0.0112	1410
19	2.5	7/0.67	2.01	0.8	1	1.6	1.8	30	7.41	0.0093	1730
19	4	7/0.85	2.55	1	1	1.6	1.9	35.5	4.61	0.0092	2390
19	6	7/1.04	3.12	1	1	2	2	39.5	3.08	0.0078	3220
20	0.5	7/0.30	0.9	0.8	1	1.25	1.8	25	36	0.0162	940
20	0.75	7/0.37	1.11	0.8	1	1.6	1.8	26.5	24.5	0.0142	1200
20	1	7/0.43	1.29	0.8	1	1.6	1.8	27.5	18.1	0.0128	1310
20	1.5	7/0.52	1.56	0.8	1	1.6	1.8	29	12.1	0.0112	1500
20	2.5	7/0.67	2.01	0.8	1	1.6	1.8	31.5	7.41	0.0093	1860
20	4	7/0.85	2.55	1	1	1.6	2	37	4.61	0.0092	2570

20	6	7/1.04	3.12	1	1.2	2	2.1	41.5	3.08	0.0078	3500
21	0.5	7/0.30	0.9	0.8	1	1.25	1.8	25	36	0.0162	950
21	0.75	7/0.37	1.11	0.8	1	1.6	1.8	26.5	24.5	0.0142	1210
21	1	7/0.43	1.29	0.8	1	1.6	1.8	27.5	18.1	0.0128	1320
21	1.5	7/0.52	1.56	0.8	1	1.6	1.8	29	12.1	0.0112	1510
21	2.5	7/0.67	2.01	0.8	1	1.6	1.8	31.5	7.41	0.0093	1870
21	4	7/0.85	2.55	1	1	1.6	2	37	4.61	0.0092	2590
21	6	7/1.04	3.12	1	1.2	2	2.1	41.5	3.08	0.0078	3540
22	0.5	7/0.30	0.9	0.8	1	1.6	1.8	26.5	36	0.0162	1150
22	0.75	7/0.37	1.11	0.8	1	1.6	1.8	27.5	24.5	0.0142	1280
22	1	7/0.43	1.29	0.8	1	1.6	1.8	28.5	18.1	0.0128	1400
22	1.5	7/0.52	1.56	0.8	1	1.6	1.8	30	12.1	0.0112	1600
22	2.5	7/0.67	2.01	0.8	1	1.6	1.9	33	7.41	0.0093	2000
22	4	7/0.85	2.55	1	1	2	2.1	39.5	4.61	0.0092	3040
22	6	7/1.04	3.12	1	1.2	2	2.2	43.5	3.08	0.0078	3810
23	0.5	7/0.30	0.9	0.8	1	1.6	1.8	26.5	36	0.0162	1160
23	0.75	7/0.37	1.11	0.8	1	1.6	1.8	27.5	24.5	0.0142	1290
23	1	7/0.43	1.29	0.8	1	1.6	1.8	28.5	18.1	0.0128	1420
23	1.5	7/0.52	1.56	0.8	1	1.6	1.8	30	12.1	0.0112	1620
23	2.5	7/0.67	2.01	0.8	1	1.6	1.9	33	7.41	0.0093	2030
23	4	7/0.85	2.55	1	1	2	2.1	39.5	4.61	0.0092	3080
23	6	7/1.04	3.12	1	1.2	2	2.2	43.5	3.08	0.0078	3870
24	0.5	7/0.30	0.9	0.8	1	1.6	1.8	27.5	36	0.0162	1210
24	0.75	7/0.37	1.11	0.8	1	1.6	1.8	28.5	24.5	0.0142	1340
24	1	7/0.43	1.29	0.8	1	1.6	1.8	29.5	18.1	0.0128	1470
24	1.5	7/0.52	1.56	0.8	1	1.6	1.8	31.5	12.1	0.0112	1680
24	2.5	7/0.67	2.01	0.8	1	1.6	1.9	34.5	7.41	0.0093	2110
24	4	7/0.85	2.55	1	1.2	2	2.1	42	4.61	0.0092	3260
24	6	7/1.04	3.12	1	1.2	2	2.2	45.5	3.08	0.0078	4010
25	0.5	7/0.30	0.9	0.8	1	1.6	1.8	28	36	0.0162	1250
25	0.75	7/0.37	1.11	0.8	1	1.6	1.8	29	24.5	0.0142	1390
25	1	7/0.43	1.29	0.8	1	1.6	1.8	30	18.1	0.0128	1530

25	1.5	7/0.52	1.56	0.8	1	1.6	1.8	32	12.1	0.0112	1760
25	2.5	7/0.67	2.01	0.8	1	1.6	1.9	35	7.41	0.0093	2200
25	4	7/0.85	2.55	1	1.2	2	2.1	43	4.61	0.0092	3400
25	6	7/1.04	3.12	1	1.2	2	2.2	46.5	3.08	0.0078	4220
26	0.5	7/0.30	0.9	0.8	1	1.6	1.8	28	36	0.0162	1260
26	0.75	7/0.37	1.11	0.8	1	1.6	1.8	29	24.5	0.0142	1400
26	1	7/0.43	1.29	0.8	1	1.6	1.8	30	18.1	0.0128	1540
26	1.5	7/0.52	1.56	0.8	1	1.6	1.8	32	12.1	0.0112	1780
26	2.5	7/0.67	2.01	0.8	1	1.6	1.9	35	7.41	0.0093	2220
26	4	7/0.85	2.55	1	1.2	2	2.1	43	4.61	0.0092	3440
26	6	7/1.04	3.12	1	1.2	2	2.2	46.5	3.08	0.0078	4270
27	0.5	7/0.30	0.9	0.8	1	1.6	1.8	28	36	0.0162	1270
27	0.75	7/0.37	1.11	0.8	1	1.6	1.8	29	24.5	0.0142	1410
27	1	7/0.43	1.29	0.8	1	1.6	1.8	30	18.1	0.0128	1550
27	1.5	7/0.52	1.56	0.8	1	1.6	1.8	32	12.1	0.0112	1790
27	2.5	7/0.67	2.01	0.8	1	1.6	1.9	35	7.41	0.0093	2240
27	4	7/0.85	2.55	1	1.2	2	2.1	43	4.61	0.0092	3470
27	6	7/1.04	3.12	1	1.2	2	2.2	46.5	3.08	0.0078	4320
28	0.5	7/0.30	0.9	0.8	1	1.6	1.8	28.5	36	0.0162	1310
28	0.75	7/0.37	1.11	0.8	1	1.6	1.8	30	24.5	0.0142	1480
28	1	7/0.43	1.29	0.8	1	1.6	1.8	31	18.1	0.0128	1630
28	1.5	7/0.52	1.56	0.8	1	1.6	1.8	33	12.1	0.0112	1880
28	2.5	7/0.67	2.01	0.8	1	1.6	1.9	36	7.41	0.0093	2350
28	4	7/0.85	2.55	1	1.2	2	2.2	44.5	4.61	0.0092	3670
28	6	7/1.04	3.12	1	1.2	2	2.3	48	3.08	0.0078	4550
29	0.5	7/0.30	0.9	0.8	1	1.6	1.8	28.5	36	0.0162	1320
29	0.75	7/0.37	1.11	0.8	1	1.6	1.8	30	24.5	0.0142	1490
29	1	7/0.43	1.29	0.8	1	1.6	1.8	31	18.1	0.0128	1640
29	1.5	7/0.52	1.56	0.8	1	1.6	1.9	33	12.1	0.0112	1900
29	2.5	7/0.67	2.01	0.8	1	1.6	1.9	36	7.41	0.0093	2370
29	4	7/0.85	2.55	1	1.2	2	2.2	44.5	4.61	0.0092	3700
29	6	7/1.04	3.12	1	1.2	2	2.3	48	3.08	0.0078	4600

30	0.5	7/0.30	0.9	0.8	1	1.6	1.8	28.5	36	0.0162	1330
30	0.75	7/0.37	1.11	0.8	1	1.6	1.8	30	24.5	0.0142	1500
30	1	7/0.43	1.29	0.8	1	1.6	1.8	31	18.1	0.0128	1650
30	1.5	7/0.52	1.56	0.8	1	1.6	1.9	33	12.1	0.0112	1910
30	2.5	7/0.67	2.01	0.8	1	1.6	1.9	36	7.41	0.0093	2400
30	4	7/0.85	2.55	1	1.2	2	2.2	44.5	4.61	0.0092	3740
30	6	7/1.04	3.12	1	1.2	2	2.3	48	3.08	0.0078	4660

Other dimensions and colours are possible on request.