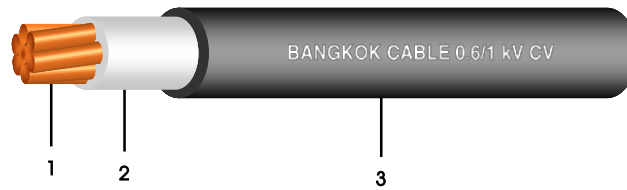


0.6/1 kV CV (FR-CV optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE



Construction

1. Conductor : Circular stranded or circular compacted stranded annealed copper
2. Insulation : Cross-linked polyethylene (XLPE), Natural colour
3. Sheath : Polyvinyl chloride (PVC), Black colour, (Optional : FR-PVC)*

Reference Standard :

IEC 60502-1

Classification

- Maximum conductor temperature : 90°C
- Maximum circuit voltage : 1,000 V
- AC test voltage : 3,500 V

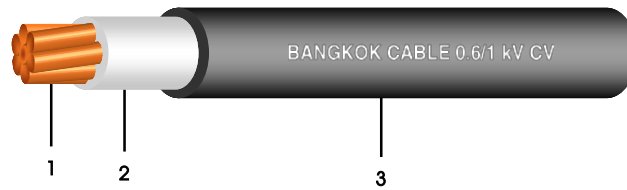
Application

For general purpose power distribution in dry or wet location, installation exposed in conduit or duct or direct burial in ground.

Conductor			Thickness of insulation	Thickness of sheath	Overall diameter	DC. conductor resistance at 20°C	Insulation resistance at 20°C	Current rating		Cable weight	Standard length
Cross-sectional area	No. of wires	Diameter						in free air at 40°C ambient	direct burial in ground at 30°C		
mm ²	(Min.)	mm (Approx.)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	MΩ.km (Min.)	A	A	kg/km (Approx.)	m/drum
1.5	7	1.59	0.7	1.4	6.5	12.1	2,550	27	33	50	500
2.5	7	2.01	0.7	1.4	7.0	7.41	2,100	38	43	60	500
4	7	2.55	0.7	1.4	7.5	4.61	1,700	51	56	80	500
6	7	3.12	0.7	1.4	8.0	3.08	1,450	66	71	110	500
10	6	3.72	0.7	1.4	9.0	1.83	1,250	92	94	150	500
16	6	4.69	0.7	1.4	9.5	1.15	1,000	124	120	210	500
25	6	5.90	0.9	1.4	11.5	0.727	1,050	166	155	310	500
35	6	6.95	0.9	1.4	12.5	0.524	900	206	185	410	500
50	6	8.33	1.0	1.4	14.0	0.387	850	259	225	550	500
70	12	9.73	1.1	1.4	15.5	0.268	800	321	275	750	500
95	15	11.43	1.1	1.5	17.5	0.193	700	391	330	1,020	500
120	18	12.95	1.2	1.5	19.5	0.153	650	455	375	1,270	500
150	18	14.27	1.4	1.6	21.5	0.124	700	525	425	1,560	500
185	30	15.98	1.6	1.6	23.5	0.0991	700	602	480	1,940	500
240	34	18.47	1.7	1.7	26.5	0.0754	650	711	560	2,520	500
300	34	20.68	1.8	1.8	29.0	0.0601	600	821	635	3,130	500
400	53	23.39	2.0	1.9	32.5	0.0470	600	988	725	3,980	500
500	53	26.67	2.2	2.0	36.5	0.0366	600	1,140	830	5,080	500
630	53	30.22	2.4	2.2	41.0	0.0283	550	1,323	945	6,540	400
800	53	34.00	2.6	2.3	45.5	0.0221	550	1,543	1,060	8,310	400

0.6/1 kV CV (FR-CV optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE



Construction

- 1. Conductor : Circular stranded or circular compacted stranded annealed copper
- 2. Insulation : Cross-linked polyethylene (XLPE), Natural colour
- 3. Sheath : Polyvinyl chloride (PVC), Black colour,
(Optional : FR-PVC)*

Reference Standard :

IEC 60502-1

Classification

- Maximum conductor temperature : 90°C
- Maximum circuit voltage : 1,000 V
- AC test voltage : 3,500 V

Application

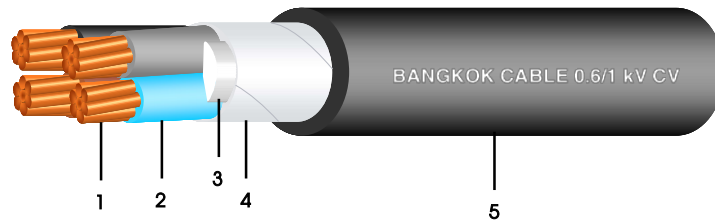
For general purpose power distribution in dry or wet location, installation exposed in conduit or duct or direct burial in ground.

Conductor cross-sectional area mm ²	AC Resistance of conductor at 90°C Ω/km (Approx.)	Inductance* mH/km (Approx.)	Reactance* Ω/km (Approx.)	Impedance* Ω/km (Approx.)
1.5	15.43	0.663	0.208	15.43
2.5	9.45	0.626	0.197	9.45
4	5.88	0.594	0.187	5.88
6	3.93	0.564	0.177	3.93
10	2.33	0.550	0.173	2.34
16	1.47	0.515	0.162	1.48
25	0.927	0.507	0.159	0.941
35	0.668	0.491	0.154	0.686
50	0.494	0.477	0.150	0.516
70	0.342	0.467	0.147	0.372
95	0.247	0.459	0.144	0.286
120	0.196	0.455	0.143	0.243
150	0.160	0.455	0.143	0.214
185	0.128	0.451	0.142	0.191
240	0.0988	0.446	0.140	0.171
300	0.0800	0.441	0.139	0.160
400	0.0642	0.439	0.138	0.152
500	0.0520	0.436	0.137	0.147
630	0.0427	0.434	0.136	0.143
800	0.0360	0.432	0.136	0.140

* Condition : Three cable laid in flat formation with a clearance between cables of 1.0 times the cable overall diameter

0.6/1 kV CV (FR-CV optional)*

4 CORES - CROSSLINKED POLYETHYLENE POWER CABLE



Construction

- 1. Conductor : Circular stranded or circular compacted stranded annealed copper
- 2. Insulation : Cross-linked polyethylene (XLPE)
Colour code : Blue, Brown, Black, Grey
- 3. Filler : Polypropylene (Non-hygroscopic material)
- 4. Binding tape : Polyester tape
- 5. Sheath : Polyvinyl chloride (PVC), Black colour,
(Optional : FR-PVC)*

Reference Standard :

IEC 60502-1

Classification

- Maximum conductor temperature : 90°C
- Maximum circuit voltage : 1,000 V
- AC test voltage : 3,500 V

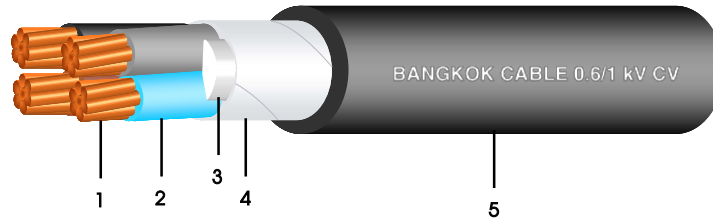
Application

For general purpose power distribution in dry or wet location, installation exposed in conduit or duct or direct burial in ground.

Conductor			Thickness of insulation	Thickness of sheath	Overall diameter	DC. conductor resistance at 20°C	Insulation resistance at 20°C	Current rating		Cable weight	Standard length
Cross-sectional area	No. of wires	Diameter						in free air at 40°C ambient	direct burial in ground at 30°C		
mm ²	(Min.)	mm (Approx.)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	MΩ.km (Min.)	A	A	kg/km (Approx.)	m/drum
1.5	7	1.59	0.7	1.8	12.0	12.1	2,550	21	28	170	500
2.5	7	2.01	0.7	1.8	13.0	7.41	2,100	29	37	230	500
4	7	2.55	0.7	1.8	14.5	4.61	1,700	38	49	300	500
6	7	3.12	0.7	1.8	16.0	3.08	1,450	49	61	410	500
10	6	3.72	0.7	1.8	17.5	1.83	1,250	68	82	590	500
16	6	4.69	0.7	1.8	19.5	1.15	1,000	91	105	860	500
25	6	5.90	0.9	1.8	24.0	0.727	1,050	116	135	1,300	500
35	6	6.95	0.9	1.8	26.5	0.524	900	144	165	1,740	500
50	6	8.33	1.0	1.8	30.5	0.387	850	180	200	2,320	500
70	12	9.73	1.1	2.0	35.0	0.268	800	224	245	3,250	500
95	15	11.43	1.1	2.1	39.0	0.193	700	271	295	4,390	500
120	18	12.95	1.2	2.3	44.0	0.153	650	315	335	5,520	400
150	18	14.27	1.4	2.4	48.5	0.124	700	363	380	6,780	400
185	30	15.98	1.6	2.6	54.0	0.0991	700	415	425	8,480	300
240	34	18.47	1.7	2.8	61.0	0.0754	650	490	495	11,040	200
300	34	20.68	1.8	3.0	67.5	0.0601	600	565	560	13,720	150
400	53	23.39	2.0	3.3	76.0	0.0470	600	678	630	17,490	150

0.6/1 kV CV (FR-CV optional)*

4 CORES - CROSSLINKED POLYETHYLENE POWER CABLE



Construction

1. Conductor : Circular stranded or circular compacted stranded annealed copper
2. Insulation : Cross-linked polyethylene (XLPE)
Colour code : Blue, Brown, Black, Grey
3. Filler : Polypropylene (Non-hygroscopic material)
4. Binding tape : Polyester tape
5. Sheath : Polyvinyl chloride (PVC), Black colour,
(Optional : FR-PVC)*

Reference Standard :

IEC 60502-1

Classification

- Maximum conductor temperature : 90°C
 Maximum circuit voltage : 1,000 V
 AC test voltage : 3,500 V

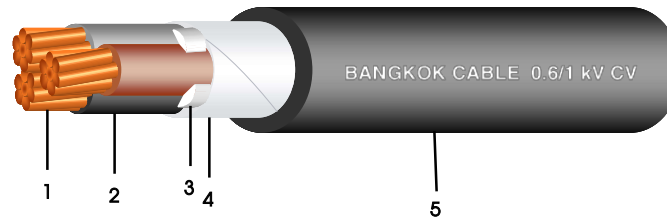
Application

For general purpose power distribution in dry or wet location, installation exposed in conduit or duct or direct burial in ground.

Conductor cross-sectional area mm ²	AC Resistance of conductor at 90°C Ω/km (Approx.)	Inductance mH/km (Approx.)	Reactance Ω/km (Approx.)	Impedance Ω/km (Approx.)
1.5	15.43	0.356	0.112	15.43
2.5	9.45	0.331	0.1039	9.45
4	5.88	0.311	0.0979	5.88
6	3.93	0.296	0.0929	3.93
10	2.33	0.284	0.0891	2.34
16	1.47	0.271	0.0851	1.47
25	0.927	0.272	0.0854	0.931
35	0.669	0.264	0.0829	0.674
50	0.494	0.260	0.0818	0.501
70	0.343	0.258	0.0810	0.352
95	0.247	0.252	0.0791	0.260
120	0.197	0.250	0.0787	0.212
150	0.160	0.252	0.0793	0.179
185	0.129	0.253	0.0795	0.151
240	0.0996	0.250	0.0786	0.127
300	0.0809	0.248	0.0780	0.112
400	0.0653	0.248	0.0778	0.1016

0.6/1 kV CV (FR-CV optional)*

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE



Construction

- 1. Conductor : Circular stranded or circular compacted stranded annealed copper
- 2. Insulation : Cross-linked polyethylene (XLPE)
Colour code : Brown, Black, Grey
- 3. Filler : Polypropylene (Non-hygroscopic material)
- 4. Binding tape : Polyester tape
- 5. Sheath : Polyvinyl chloride (PVC), Black colour,
(Optional : FR-PVC)*

Reference Standard :

IEC 60502-1

Classification

- Maximum conductor temperature : 90°C
- Maximum circuit voltage : 1,000 V
- AC test voltage : 3,500 V

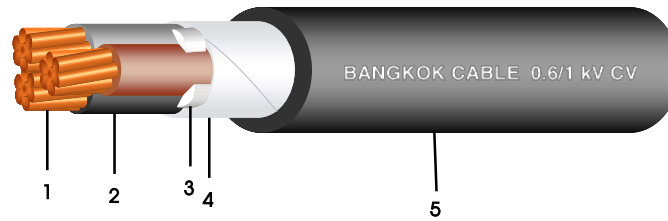
Application

For general purpose power distribution in dry or wet location, installation exposed in conduit or duct or direct burial in ground.

Conductor			Thickness of insulation	Thickness of sheath	Overall diameter	DC. conductor resistance at 20°C	Insulation resistance at 20°C	Current rating		Cable weight	Standard length
Cross-sectional area	No. of wires	Diameter						in free air at 40°C ambient	direct burial in ground at 30°C		
mm ²	(Min.)	mm (Approx.)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	MΩ.km (Min.)	A	A	kg/km (Approx.)	m/drum
1.5	7	1.53	0.7	1.8	11.5	12.1	2,550	21	28	140	500
2.5	7	1.98	0.7	1.8	12.0	7.41	2,100	29	37	190	500
4	7	2.49	0.7	1.8	13.5	4.61	1,700	38	49	250	500
6	7	3.09	0.7	1.8	14.5	3.08	1,450	49	61	330	500
10	6	3.72	0.7	1.8	16.0	1.83	1,250	68	82	470	500
16	6	4.69	0.7	1.8	18.0	1.15	1,000	91	105	670	500
25	6	5.90	0.9	1.8	21.5	0.727	1,050	116	135	1,020	500
35	6	6.95	0.9	1.8	24.0	0.524	900	144	165	1,350	500
50	6	8.33	1.0	1.8	27.5	0.387	850	180	200	1,800	500
70	12	9.73	1.1	1.9	31.5	0.268	800	224	245	2,500	500
95	15	11.43	1.1	2.0	35.5	0.193	700	271	295	3,370	500
120	18	12.95	1.2	2.1	39.5	0.153	650	315	335	4,220	500
150	18	14.27	1.4	2.3	43.5	0.124	700	363	380	5,190	400
185	30	15.98	1.6	2.4	48.5	0.0991	700	415	425	6,490	400
240	34	18.47	1.7	2.6	55.0	0.0754	650	490	495	8,440	300
300	34	20.68	1.8	2.7	60.5	0.0601	600	565	560	10,470	250
400	53	23.39	2.0	3.0	68.0	0.0470	600	678	630	13,350	200

0.6/1 kV CV (FR-CV optional)*

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE



Construction

- 1. Conductor : Circular stranded or circular compacted stranded annealed copper
- 2. Insulation : Cross-linked polyethylene (XLPE)
Colour code : Brown, Black, Grey
- 3. Filler : Polypropylene (Non-hygroscopic material)
- 4. Binding tape : Polyester tape
- 5. Sheath : Polyvinyl chloride (PVC), Black colour,
(Optional : FR-PVC)*

Reference Standard :

IEC 60502-1

Classification

- Maximum conductor temperature : 90°C
- Maximum circuit voltage : 1,000 V
- AC test voltage : 3,500 V

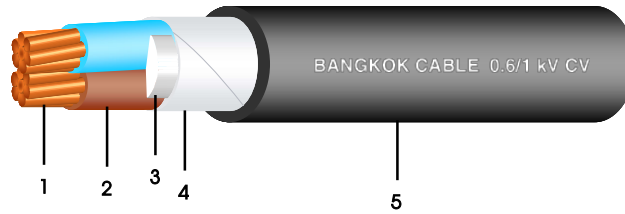
Application

For general purpose power distribution in dry or wet location, installation exposed in conduit or duct or direct burial in ground.

Conductor cross-sectional area mm ²	AC Resistance of conductor at 90°C Ω/km (Approx.)	Inductance mH/km (Approx.)	Reactance Ω/km (Approx.)	Impedance Ω/km (Approx.)
1.5	15.43	0.332	0.104	15.43
2.5	9.45	0.308	0.0966	9.45
4	5.88	0.288	0.0906	5.88
6	3.93	0.273	0.0856	3.93
10	2.33	0.261	0.0819	2.33
16	1.47	0.248	0.0778	1.47
25	0.927	0.249	0.0782	0.931
35	0.669	0.241	0.0756	0.673
50	0.494	0.237	0.0746	0.500
70	0.343	0.235	0.0738	0.351
95	0.247	0.229	0.0718	0.258
120	0.197	0.227	0.0714	0.209
150	0.160	0.229	0.0720	0.176
185	0.129	0.230	0.0723	0.148
240	0.0996	0.227	0.0713	0.122
300	0.0809	0.225	0.0707	0.107
400	0.0653	0.225	0.0705	0.0961

0.6/1 kV CV (FR-CV optional)*

2 CORES - CROSSLINKED POLYETHYLENE POWER CABLE



Construction

1. Conductor : Circular stranded or circular compacted stranded annealed copper
2. Insulation : Cross-linked polyethylene (XLPE)
Colour code : Blue, Brown
3. Filler : Polypropylene (Non-hygroscopic material)
4. Binding tape : Polyester tape
5. Sheath : Polyvinyl chloride (PVC), Black colour,
(Optional : FR-PVC)*

Reference Standard :

IEC 60502-1

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 1,000 V
AC test voltage : 3,500 V

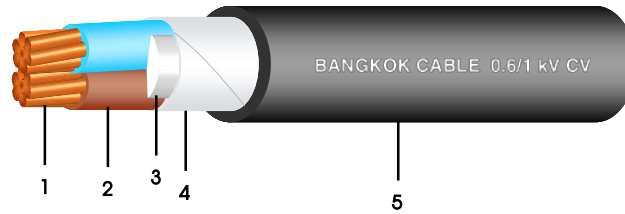
Application

For general purpose power distribution in dry or wet location, installation exposed in conduit or duct or direct burial in ground.

Conductor			Thickness of insulation	Thickness of sheath	Overall diameter	DC. conductor resistance at 20°C	Insulation resistance at 20°C	Current rating		Cable weight	Standard length
Cross-sectional area	No. of wires	Diameter						in free air at 40°C ambient	direct burial in ground at 30°C		
mm ²	(Min.)	mm (Approx.)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	MΩ.km (Min.)	A	A	kg/km (Approx.)	m/drum
1.5	7	1.59	0.7	1.8	11.0	12.1	2,550	24	33	120	500
2.5	7	2.01	0.7	1.8	11.5	7.41	2,100	33	44	160	500
4	7	2.55	0.7	1.8	12.5	4.61	1,700	44	58	200	500
6	7	3.12	0.7	1.8	14.0	3.08	1,450	57	73	260	500
10	6	3.72	0.7	1.8	15.0	1.83	1,250	78	97	360	500
16	6	4.69	0.7	1.8	17.0	1.15	1,000	105	125	510	500
25	6	5.90	0.9	1.8	20.5	0.727	1,050	135	165	760	500
35	6	6.95	0.9	1.8	22.5	0.524	900	168	195	1,000	500
50	6	8.33	1.0	1.8	26.0	0.387	850	212	235	1,330	500
70	12	9.73	1.1	1.8	29.5	0.268	800	263	290	1,820	500
95	15	11.43	1.1	1.9	33.0	0.193	700	321	350	2,440	500
120	18	12.95	1.2	2.0	36.5	0.153	650	373	400	3,060	500
150	18	14.27	1.4	2.2	40.5	0.124	700	431	450	3,750	500
185	30	15.98	1.6	2.3	45.0	0.0991	700	493	505	4,700	400
240	34	18.47	1.7	2.5	51.0	0.0754	650	584	585	6,110	300
300	34	20.68	1.8	2.6	56.0	0.0601	600	674	665	7,550	250
400	53	23.39	2.0	2.9	63.5	0.0470	600	812	750	9,630	200

0.6/1 kV CV (FR-CV optional)*

2 CORES - CROSSLINKED POLYETHYLENE POWER CABLE



Construction

1. Conductor : Circular stranded or circular compacted stranded annealed copper
2. Insulation : Cross-linked polyethylene (XLPE)
Colour code : Blue, Brown
3. Filler : Polypropylene (Non-hygroscopic material)
4. Binding tape : Polyester tape
5. Sheath : Polyvinyl chloride (PVC), Black colour,
(Optional : FR-PVC)*

Reference Standard :

IEC 60502-1

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 1,000 V
AC test voltage : 3,500 V

Application

For general purpose power distribution in dry or wet location, installation exposed in conduit or duct or direct burial in ground.

Conductor cross-sectional area mm ²	AC Resistance of conductor at 90°C Ω/km (Approx.)	Inductance mH/km (Approx.)	Reactance Ω/km (Approx.)	Impedance Ω/km (Approx.)
1.5	15.43	0.332	0.104	15.43
2.5	9.45	0.308	0.0966	9.45
4	5.88	0.288	0.0906	5.88
6	3.93	0.273	0.0856	3.93
10	2.33	0.261	0.0819	2.33
16	1.47	0.248	0.0778	1.47
25	0.927	0.249	0.0782	0.931
35	0.669	0.241	0.0756	0.673
50	0.494	0.237	0.0746	0.500
70	0.343	0.235	0.0738	0.351
95	0.247	0.229	0.0718	0.258
120	0.197	0.227	0.0714	0.209
150	0.160	0.229	0.0720	0.176
185	0.129	0.230	0.0723	0.148
240	0.0996	0.227	0.0713	0.122
300	0.0809	0.225	0.0707	0.107
400	0.0653	0.225	0.0705	0.0961