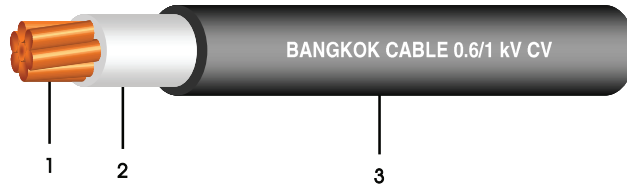


0.6/1 kV CV (FR-CV optional)*

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

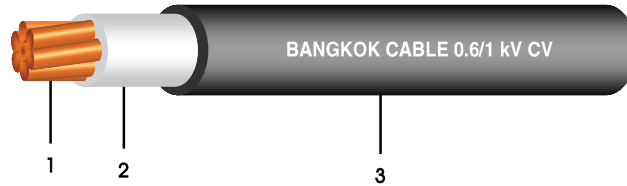
Application

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

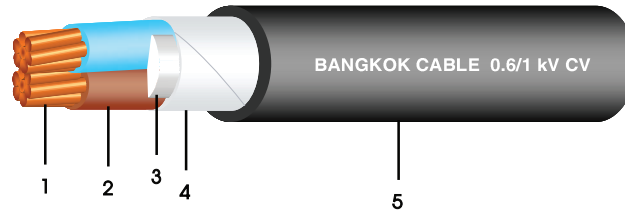
For general purpose power distribution in dry or wet location, installation exposed in conduit or duct or direct burial in ground.

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)*

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

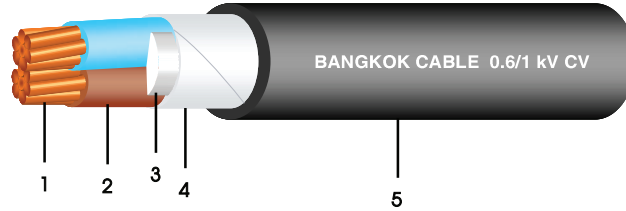
Application

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

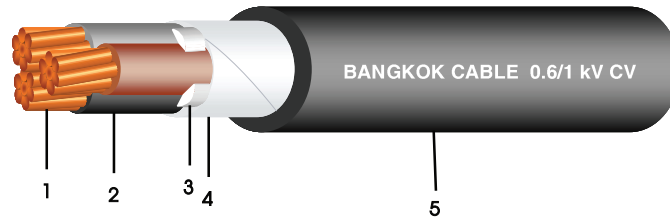
Application

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

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

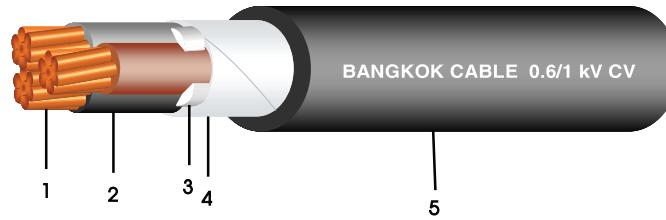
Application

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

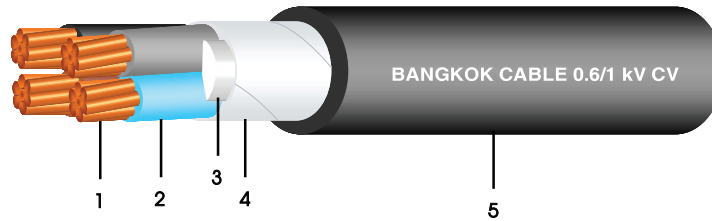
Application

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)*

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

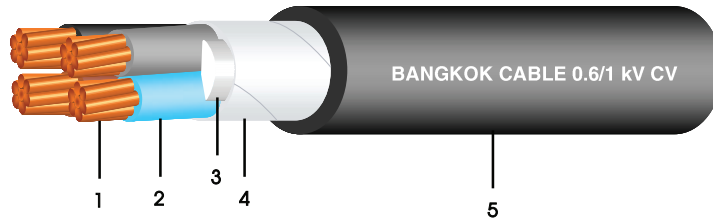
Application

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

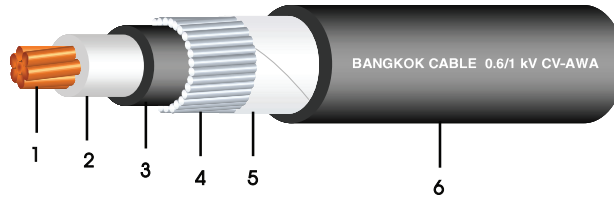
Application

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-AWA (FR-CV-AWA optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



Construction

1. Conductor : Circular stranded or circular compacted stranded annealed copper
2. Insulation : Cross-linked polyethylene (XLPE), Natural colour
3. Inner sheath : Polyvinyl chloride (PVC), Black colour
4. Armour : Aluminium wires
5. Binding tape : Polyester tape
6. Outer 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

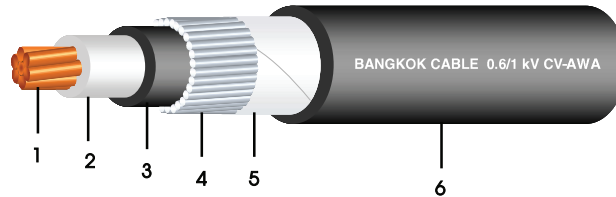
Application

For general purpose power distribution in dry or wet location, best suitable for direct burial in ground.

Conductor			Thickness	Thickness	Diameter	Diameter	Thickness	Overall	DC.	Current rating		Cable	Standard
Cross-sectional area	No. of wires	Diameter	of insulation	of inner sheath	under armour	of wire armour	of outer sheath	diameter	conductor resistance at 20°C	in free air at 40°C ambient	direct burial in ground at 30°C	weight	length
mm ²	(Min.)	mm (Approx.)	mm (Nominal)	mm (Approx.)	mm (Approx.)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	A	A	kg/km (Approx.)	m/drum
1.5	7	1.59	0.7	1.0	5.5	0.8	1.8	11.5	12.1	28	34	150	500
2.5	7	2.01	0.7	1.0	6.0	0.8	1.8	12.0	7.41	37	45	170	500
4	7	2.55	0.7	1.0	6.5	0.8	1.8	12.5	4.61	49	58	190	500
6	7	3.12	0.7	1.0	7.0	0.8	1.8	13.0	3.08	61	73	220	500
10	6	3.72	0.7	1.0	8.0	0.8	1.8	13.5	1.83	82	96	270	500
16	6	4.69	0.7	1.0	9.0	0.8	1.8	14.5	1.15	105	120	350	500
25	6	5.90	0.9	1.0	10.5	0.8	1.8	16.5	0.727	140	160	470	500
35	6	6.95	0.9	1.0	11.5	0.8	1.8	17.5	0.524	175	190	630	500
50	6	8.33	1.0	1.0	13.0	1.25	1.8	20.0	0.387	210	225	790	500
70	12	9.73	1.1	1.0	15.0	1.25	1.8	21.5	0.268	265	280	1,020	500
95	15	11.43	1.1	1.0	16.5	1.25	1.8	23.5	0.193	325	335	1,360	500
120	18	12.95	1.2	1.0	18.0	1.6	1.8	26.0	0.153	380	385	1,640	500
150	18	14.27	1.4	1.0	20.0	1.6	1.8	27.5	0.124	430	430	1,960	500
185	30	15.98	1.6	1.0	22.0	1.6	1.8	30.0	0.0991	495	485	2,370	500
240	34	18.47	1.7	1.0	25.0	1.6	1.9	33.0	0.0754	585	565	3,000	500
300	34	20.68	1.8	1.0	27.5	1.6	1.9	35.5	0.0601	675	640	3,750	500
400	53	23.39	2.0	1.2	31.0	2.0	2.1	40.0	0.0470	770	730	4,720	500
500	53	26.67	2.2	1.2	34.5	2.0	2.2	44.0	0.0366	880	830	5,910	400
630	53	30.22	2.4	1.2	38.5	2.0	2.3	48.5	0.0283	985	940	7,590	400
800	53	34.00	2.6	1.4	43.5	2.5	2.5	54.5	0.0221	1,085	1,050	9,550	300

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

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



Construction

1. Conductor : Circular stranded or circular compacted stranded annealed copper
2. Insulation : Cross-linked polyethylene (XLPE), Natural colour
3. Inner sheath : Polyvinyl chloride (PVC), Black colour
4. Armour : Aluminium wires
5. Binding tape : Polyester tape
6. Outer 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

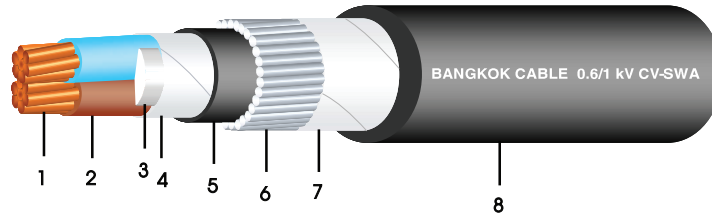
For general purpose power distribution in dry or wet location, best suitable for direct burial in ground.

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	0.777	0.244	15.43
2.5	9.45	0.734	0.231	9.45
4	5.88	0.696	0.219	5.88
6	3.93	0.661	0.208	3.93
10	2.33	0.631	0.198	2.34
16	1.47	0.599	0.188	1.48
25	0.927	0.579	0.182	0.945
35	0.668	0.569	0.179	0.692
50	0.494	0.549	0.172	0.523
70	0.342	0.532	0.167	0.381
95	0.247	0.522	0.164	0.296
120	0.196	0.513	0.161	0.254
150	0.159	0.505	0.159	0.225
185	0.128	0.499	0.157	0.202
240	0.0981	0.490	0.154	0.182
300	0.0791	0.487	0.153	0.172
400	0.0631	0.483	0.152	0.164
500	0.0508	0.476	0.149	0.158
630	0.0412	0.472	0.148	0.154
800	0.0343	0.470	0.148	0.151

* 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-SWA (FR-CV-SWA optional)*

2 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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. Inner sheath : Polyvinyl chloride (PVC), Black colour
6. Armour : Galvanized steel wires
7. Binding tape : Polyester tape
8. Outer 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

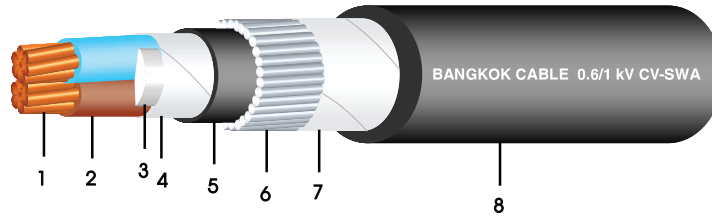
Application

For general purpose power distribution in dry or wet location,
best suitable for direct burial in ground.

Conductor			Thickness of insulation mm (Nominal)	Thickness of inner sheath mm (Approx.)	Diameter under armour mm (Approx.)	Diameter of wire armour mm (Nominal)	Thickness of outer sheath mm (Nominal)	Overall diameter mm (Approx.)	DC. conductor resistance at 20°C Ω/km (Max.)	Current rating		Cable weight kg/km (Approx.)	Standard length m/drum
Cross-sectional area mm ²	No. of wires (Min.)	Diameter mm (Approx.)								in free air at 40°C ambient A	direct burial in ground at 30°C A		
1.5	7	1.59	0.7	1.0	9.0	0.8	1.8	15.0	12.1	26	33	340	500
2.5	7	2.01	0.7	1.0	10.0	0.8	1.8	15.5	7.41	35	44	390	500
4	7	2.55	0.7	1.0	11.0	0.8	1.8	16.5	4.61	46	57	560	500
6	7	3.12	0.7	1.0	12.0	0.8	1.8	18.0	3.08	59	72	660	500
10	6	3.72	0.7	1.0	13.5	1.25	1.8	20.0	1.83	80	96	800	500
16	6	4.69	0.7	1.0	15.0	1.25	1.8	22.0	1.15	105	125	1,000	500
25	6	5.90	0.9	1.0	18.5	1.6	1.8	26.5	0.727	140	160	1,520	500
35	6	6.95	0.9	1.0	20.5	1.6	1.8	28.5	0.524	170	195	1,830	500
50	6	8.33	1.0	1.0	24.0	1.6	1.8	32.0	0.387	210	235	2,310	500
70	12	9.73	1.1	1.0	27.5	1.6	2.0	35.5	0.268	260	285	3,180	500
95	15	11.43	1.1	1.2	31.5	2.0	2.1	40.5	0.193	320	345	4,020	500
120	18	12.95	1.2	1.2	35.0	2.0	2.2	44.0	0.153	370	390	4,820	400
150	18	14.27	1.4	1.2	38.5	2.0	2.3	48.0	0.124	420	435	6,110	400
185	30	15.98	1.6	1.4	43.0	2.5	2.5	54.5	0.0991	480	490	7,390	300
240	34	18.47	1.7	1.4	48.5	2.5	2.7	60.0	0.0754	560	565	9,090	250
300	34	20.68	1.8	1.6	54.0	2.5	2.8	66.0	0.0601	635	630	10,930	150
400	53	23.39	2.0	1.6	60.5	2.5	3.1	73.0	0.0470	725	705	13,400	100

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

2 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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. Inner sheath : Polyvinyl chloride (PVC), Black colour
6. Armour : Galvanized steel wires
7. Binding tape : Polyester tape
8. Outer 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

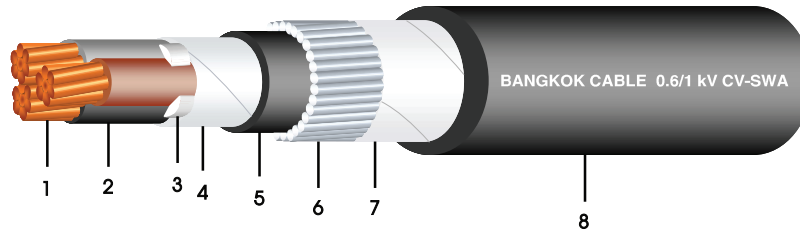
Application

For general purpose power distribution in dry or wet location, best suitable for 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-SWA (FR-CV-SWA optional)*

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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-hygrosopic material)
4. Binding tape : Polyester tape
5. Inner sheath : Polyvinyl chloride (PVC), Black colour
6. Armour : Galvanized steel wires
7. Binding tape : Polyester tape
8. Outer 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

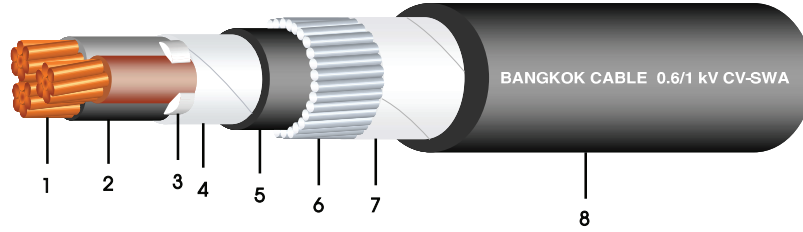
Application

For general purpose power distribution in dry or wet location, best suitable for direct burial in ground.

Conductor			Thickness	Thickness	Diameter	Diameter	Thickness	Overall	DC.	Current rating		Cable	Standard
Cross-sectional area	No. of wires	Diameter	of insulation	of inner sheath	under armour	of wire armour	of outer sheath	diameter	conductor resistance at 20°C	in free air at 40°C ambient	direct burial in ground at 30°C	weight	length
mm ²	(Min.)	mm (Approx.)	mm (Nominal)	mm (Approx.)	mm (Approx.)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	A	A	kg/km (Approx.)	m/drum
1.5	7	1.59	0.7	1.0	9.5	0.8	1.8	15.5	12.1	22	28	370	500
2.5	7	2.01	0.7	1.0	10.5	0.8	1.8	16.5	7.41	29	38	440	500
4	7	2.55	0.7	1.0	11.5	0.8	1.8	17.5	4.61	39	49	630	500
6	7	3.12	0.7	1.0	13.0	0.8	1.8	18.5	3.08	50	62	750	500
10	6	3.72	0.7	1.0	14.0	1.25	1.8	21.0	1.83	67	83	930	500
16	6	4.69	0.7	1.0	16.5	1.25	1.8	23.5	1.15	89	105	1,320	500
25	6	5.90	0.9	1.0	20.0	1.6	1.8	27.5	0.727	120	140	1,810	500
35	6	6.95	0.9	1.0	22.0	1.6	1.8	30.0	0.524	145	170	2,250	500
50	6	8.33	1.0	1.0	26.0	1.6	1.9	34.0	0.387	175	200	2,850	500
70	12	9.73	1.1	1.0	30.0	2.0	2.0	39.0	0.268	220	245	3,990	500
95	15	11.43	1.1	1.2	33.5	2.0	2.2	43.0	0.193	275	295	5,050	400
120	18	12.95	1.2	1.2	37.5	2.0	2.3	47.0	0.153	315	335	6,490	400
150	18	14.27	1.4	1.4	41.5	2.5	2.5	52.5	0.124	360	375	7,780	300
185	30	15.98	1.6	1.4	46.5	2.5	2.6	57.5	0.0991	410	420	9,370	250
240	34	18.47	1.7	1.6	52.5	2.5	2.8	64.5	0.0754	480	480	11,770	200
300	34	20.68	1.8	1.6	58.0	2.5	3.0	70.0	0.0601	550	535	14,120	150
400	53	23.39	2.0	1.6	64.5	2.5	3.2	77.5	0.0470	625	595	18,330	100

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

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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-hygrosopic material)
4. Binding tape : Polyester tape
5. Inner sheath : Polyvinyl chloride (PVC), Black colour
6. Armour : Galvanized steel wires
7. Binding tape : Polyester tape
8. Outer 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

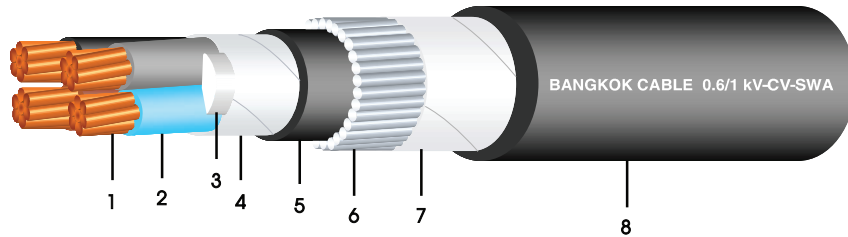
Application

For general purpose power distribution in dry or wet location, best suitable for 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-SWA (FR-CV-SWA optional)*

4 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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. Inner sheath : Polyvinyl chloride (PVC), Black colour
6. Armour : Galvanized steel wires
7. Binding tape : Polyester tape
8. Outer 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

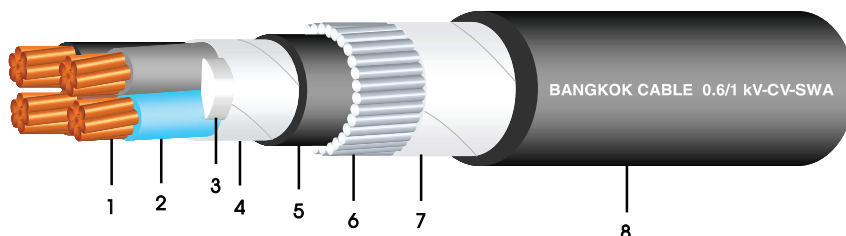
Application

For general purpose power distribution in dry or wet location, best suitable for direct burial in ground.

Conductor			Thickness	Thickness	Diameter	Diameter	Thickness	Overall	DC.	Current rating		Cable	Standard
Cross-sectional area	No. of wires	Diameter	of insulation	of inner sheath	under armour	of wire armour	of outer sheath	diameter	conductor resistance at 20°C	in free air at 40°C ambient	direct burial in ground at 30°C	weight	length
mm ²	(Min.)	mm (Approx.)	mm (Nominal)	mm (Approx.)	mm (Approx.)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	A	A	kg/km (Approx.)	m/drum
1.5	7	1.59	0.7	1.0	10.0	0.8	1.8	16.0	12.1	22	28	420	500
2.5	7	2.01	0.7	1.0	11.5	0.8	1.8	17.0	7.41	29	38	610	500
4	7	2.55	0.7	1.0	12.5	0.8	1.8	18.5	4.61	39	49	720	500
6	7	3.12	0.7	1.0	14.0	1.25	1.8	21.0	3.08	50	62	870	500
10	6	3.72	0.7	1.0	15.5	1.25	1.8	22.5	1.83	67	83	1,090	500
16	6	4.69	0.7	1.0	18.0	1.6	1.8	25.5	1.15	89	105	1,570	500
25	6	5.90	0.9	1.0	22.0	1.6	1.8	29.5	0.727	120	140	2,170	500
35	6	6.95	0.9	1.0	24.5	1.6	1.9	32.5	0.524	145	170	2,740	500
50	6	8.33	1.0	1.0	28.5	1.6	2.0	37.0	0.387	175	200	3,740	500
70	12	9.73	1.1	1.2	33.0	2.0	2.2	42.5	0.268	220	245	4,900	400
95	15	11.43	1.1	1.2	37.0	2.0	2.3	47.0	0.193	275	295	6,660	400
120	18	12.95	1.2	1.4	42.0	2.5	2.5	53.0	0.153	315	335	8,120	300
150	18	14.27	1.4	1.4	46.0	2.5	2.6	57.5	0.124	360	375	9,620	250
185	30	15.98	1.6	1.4	52.0	2.5	2.8	63.5	0.0991	410	420	11,750	200
240	34	18.47	1.7	1.6	58.5	2.5	3.0	70.5	0.0754	480	480	14,710	100
300	34	20.68	1.8	1.6	64.5	2.5	3.2	77.0	0.0601	550	535	18,660	100
400	53	23.39	2.0	1.8	72.5	3.15	3.5	87.0	0.0470	625	595	23,100	100

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

4 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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. Inner sheath : Polyvinyl chloride (PVC), Black colour
6. Armour : Galvanized steel wires
7. Binding tape : Polyester tape
8. Outer 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, best suitable for 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 NYY-SWA

2 CORES - PVC INSULATED AND DOUBLE SHEATHED, ROUND TYPE WITH ARMOUR



Construction

- Conductor : Solid or circular stranded annealed copper
- Insulation : Polyvinyl chloride (PVC)
Colour code : Blue, Brown
- Inner covering : Polyvinyl chloride (PVC), Black colour
- Armour : Galvanized steel wires
- Binding tape : Polyester tape
- Outer sheath : Polyvinyl chloride (PVC), Black colour

Reference Standard :

IEC 60502-1

Classification

- Maximum conductor temperature : 70°C
Maximum circuit voltage : 1,000 V
AC test voltage : 3,500 V

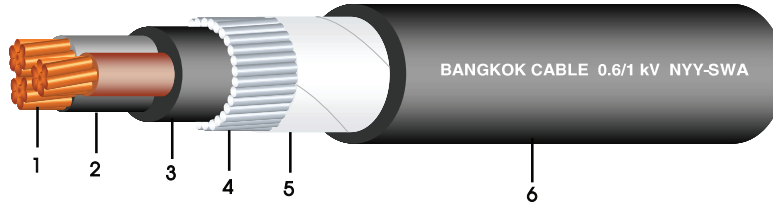
Application

For installation in underground or direct burial in ground.

Conductor			Thickness of insulation mm (Nominal)	Thickness of inner covering mm (Approx.)	Diameter under armour mm (Approx.)	Diameter of wire armour mm (Nominal)	Thickness of outer sheath mm (Nominal)	Overall diameter mm (Approx.)	DC. conductor resistance at 20°C Ω /km (Max.)	Current rating in free air at 40°C ambient A	Cable weight kg/km (Approx.)	Standard length m/drum
Cross- sectional area mm ²	No. of wires (Min.)	Diameter mm (Approx.)										
1.5	1	1.36	0.8	1.0	9.0	0.8	1.8	15.0	12.1	20	380	500
1.5	7	1.59	0.8	1.0	9.0	0.8	1.8	15.0	12.1	20	400	500
2.5	1	1.75	0.8	1.0	9.5	0.8	1.8	15.5	7.41	27	440	500
2.5	7	2.01	0.8	1.0	10.0	0.8	1.8	16.0	7.41	27	460	500
4	1	2.21	1.0	1.0	11.5	1.25	1.8	18.5	4.61	36	670	500
4	7	2.55	1.0	1.0	12.0	1.25	1.8	19.0	4.61	36	710	500
6	7	3.12	1.0	1.0	13.5	1.25	1.8	20.0	3.08	46	820	500
10	7	3.98	1.0	1.0	15.0	1.25	1.8	22.0	1.83	63	1,000	500
16	7	5.01	1.0	1.0	17.0	1.25	1.8	24.0	1.15	84	1,240	500
25	7	6.33	1.2	1.0	20.5	1.6	1.8	28.5	0.727	110	1,840	500
35	7	7.60	1.2	1.0	23.0	1.6	1.8	31.0	0.524	135	2,220	500
50	19	8.83	1.4	1.0	26.5	1.6	1.9	34.5	0.387	165	2,750	500
70	19	10.58	1.4	1.0	30.0	2.0	2.1	39.0	0.268	205	3,740	500
95	19	12.50	1.6	1.2	35.0	2.0	2.2	44.5	0.193	250	4,820	400
120	37	14.07	1.6	1.2	38.0	2.0	2.3	48.0	0.153	290	5,660	400
150	37	15.61	1.8	1.2	42.0	2.5	2.5	53.5	0.124	330	7,170	300
185	37	17.50	2.0	1.4	47.0	2.5	2.6	58.5	0.0991	375	8,640	250
240	37	20.07	2.2	1.4	53.5	2.5	2.8	65.0	0.0754	435	10,680	200
300	61	22.50	2.4	1.6	59.5	2.5	3.0	71.5	0.0601	495	12,890	100
400	61	25.38	2.6	1.6	66.0	2.5	3.2	79.0	0.0470	560	15,780	100

0.6/1 kV NYY-SWA

3 CORES - PVC INSULATED AND DOUBLE SHEATHED, ROUND TYPE WITH ARMOUR



Construction

1. Conductor : Solid or circular stranded annealed copper
2. Insulation : Polyvinyl chloride (PVC)
Colour code : Brown, Black, Grey
3. Inner covering : Polyvinyl chloride (PVC), Black colour
4. Armour : Galvanized steel wires
5. Binding tape : Polyester tape
6. Outer sheath : Polyvinyl chloride (PVC), Black colour

Reference Standard :

IEC 60502-1

Classification

- Maximum conductor temperature : 70°C
Maximum circuit voltage : 1,000 V
AC test voltage : 3,500 V

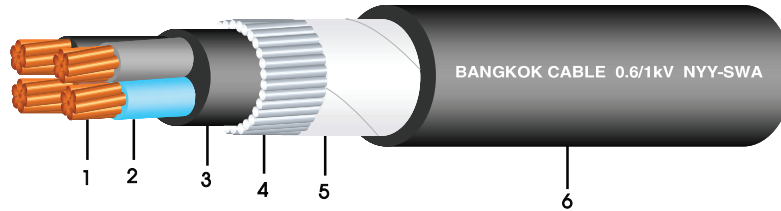
Application

For installation in underground or direct burial in ground.

Conductor			Thickness of insulation	Thickness of inner covering	Diameter under armour	Diameter of wire armour	Thickness of outer sheath	Overall diameter	DC, conductor resistance at 20°C	Current rating in free air at 40°C ambient	Cable weight	Standard length
Cross-sectional area	No. of wires	Diameter										
mm ²	(Min.)	mm (Approx.)	mm (Nominal)	mm (Approx.)	mm (Approx.)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	A	kg/km (Approx.)	m/drum
1.5	1	1.36	0.8	1.0	9.5	0.8	1.8	15.5	12.1	17	420	500
1.5	7	1.59	0.8	1.0	10.0	0.8	1.8	15.5	12.1	17	430	500
2.5	1	1.75	0.8	1.0	10.5	0.8	1.8	16.0	7.41	23	480	500
2.5	7	2.01	0.8	1.0	11.0	0.8	1.8	16.5	7.41	23	510	500
4	1	2.21	1.0	1.0	12.0	1.25	1.8	19.0	4.61	31	740	500
4	7	2.55	1.0	1.0	13.0	1.25	1.8	19.5	4.61	31	780	500
6	7	3.12	1.0	1.0	14.0	1.25	1.8	21.0	3.08	39	920	500
10	7	3.98	1.0	1.0	16.0	1.25	1.8	23.0	1.83	54	1,150	500
16	7	5.01	1.0	1.0	18.5	1.6	1.8	26.0	1.15	72	1,600	500
25	7	6.33	1.2	1.0	22.0	1.6	1.8	30.0	0.727	95	2,160	500
35	7	7.60	1.2	1.0	25.0	1.6	1.9	32.5	0.524	115	2,660	500
50	19	8.83	1.4	1.0	28.5	2.0	2.0	37.5	0.387	140	3,580	500
70	19	10.58	1.4	1.2	32.5	2.0	2.1	42.0	0.268	175	4,610	400
95	19	12.50	1.6	1.2	37.5	2.0	2.3	47.5	0.193	215	5,910	400
120	37	14.07	1.6	1.2	41.0	2.5	2.4	52.0	0.153	250	7,440	300
150	37	15.61	1.8	1.4	46.0	2.5	2.6	57.0	0.124	285	8,920	250
185	37	17.50	2.0	1.4	50.5	2.5	2.7	62.5	0.0991	325	10,660	200
240	37	20.07	2.2	1.6	58.0	2.5	2.9	70.0	0.0754	380	13,410	150
300	61	22.50	2.4	1.6	64.0	2.5	3.1	76.5	0.0601	430	16,140	100
400	61	25.38	2.6	1.8	71.5	3.15	3.4	86.0	0.0470	485	21,000	100

0.6/1 kV NYY-SWA

4 CORES - PVC INSULATED AND DOUBLE SHEATHED, ROUND TYPE WITH ARMOUR



Construction

1. Conductor : Solid or circular stranded annealed copper
2. Insulation : Polyvinyl chloride (PVC)
Colour code : Blue, Brown, Black, Grey
3. Inner covering : Polyvinyl chloride (PVC), Black colour
4. Armour : Galvanized steel wires
5. Binding tape : Polyester tape
6. Outer sheath : Polyvinyl chloride (PVC), Black colour

Reference Standard :

IEC 60502-1

Classification

- Maximum conductor temperature : 70°C
Maximum circuit voltage : 1,000 V
AC test voltage : 3,500 V

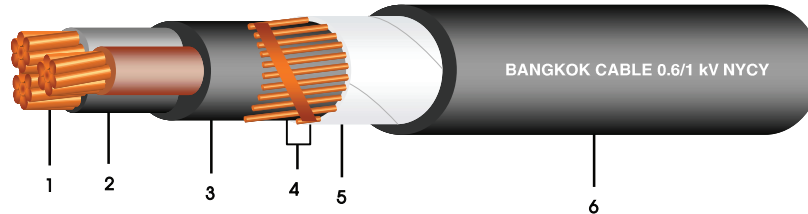
Application

For installation in underground or direct burial in ground.

Conductor			Thickness of insulation	Thickness of inner covering	Diameter under armour	Diameter of wire armour	Thickness of outer sheath	Overall diameter	DC. conductor resistance at 20°C	Current rating in free air at 40°C ambient	Cable weight	Standard length
Cross-sectional area	No. of wires	Diameter										
mm ²	(Min.)	mm (Approx.)	mm (Nominal)	mm (Approx.)	mm (Approx.)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	A	kg/km (Approx.)	m/drum
1.5	1	1.36	0.8	1.0	10.0	0.8	1.8	16.0	12.1	17	470	500
1.5	7	1.59	0.8	1.0	10.5	0.8	1.8	16.5	12.1	17	490	500
2.5	1	1.75	0.8	1.0	11.0	1.25	1.8	18.0	7.41	23	660	500
2.5	7	2.01	0.8	1.0	11.5	1.25	1.8	18.5	7.41	23	700	500
4	1	2.21	1.0	1.0	13.5	1.25	1.8	20.0	4.61	31	850	500
4	7	2.55	1.0	1.0	14.0	1.25	1.8	21.0	4.61	31	900	500
6	7	3.12	1.0	1.0	15.5	1.25	1.8	22.5	3.08	39	1,060	500
10	7	3.98	1.0	1.0	17.5	1.6	1.8	25.5	1.83	54	1,490	500
16	7	5.01	1.0	1.0	20.0	1.6	1.8	28.0	1.15	72	1,890	500
25	7	6.33	1.2	1.0	24.5	1.6	1.9	32.5	0.727	95	2,590	500
35	7	7.60	1.2	1.0	27.5	1.6	2.0	35.5	0.524	115	3,220	500
50	19	8.83	1.4	1.2	32.0	2.0	2.1	41.0	0.387	140	4,400	400
70	19	10.58	1.4	1.2	36.0	2.0	2.3	46.0	0.268	175	5,640	400
95	19	12.50	1.6	1.2	42.0	2.5	2.5	53.0	0.193	215	7,750	300
120	37	14.07	1.6	1.4	46.0	2.5	2.6	57.5	0.153	250	9,220	250
150	37	15.61	1.8	1.4	51.0	2.5	2.7	62.5	0.124	285	10,950	200
185	37	17.50	2.0	1.6	57.0	2.5	2.9	69.0	0.0991	325	13,300	150
240	37	20.07	2.2	1.6	64.5	2.5	3.1	77.0	0.0754	380	16,660	100
300	61	22.50	2.4	1.6	71.0	3.15	3.4	85.5	0.0601	430	21,120	100
400	61	25.38	2.6	1.8	80.0	3.15	3.7	95.0	0.0470	485	26,170	100

0.6/1 kV NYCY

3 CORES - PVC INSULATED AND DOUBLE SHEATHED, ROUND TYPE WITH CONCENTRIC CONDUCTOR



Construction

- Conductor : Circular stranded annealed copper
- Insulation : Polyvinyl chloride (PVC)
Colour code : Brown, Black, Grey
- Inner covering : Polyvinyl chloride (PVC), Black colour
- Concentric conductor : Copper wires with copper contact tape
- Binding tape : Polyester tape
- Outer sheath : Polyvinyl chloride (PVC), Black colour

Reference Standard :

IEC 60502-1

Classification

- Maximum conductor temperature : 70°C
Rated voltage : 1,000 V
AC test voltage : 3,500 V

Application

For installation exposed or in raceway, dry or wet location or direct burial in ground.

Conductor			Thickness of insulation mm (Nominal)	Thickness of inner covering mm (Approx.)	Diameter over inner covering mm (Approx.)	Concentric conductor		Thickness of outer sheath mm (Nominal)	Overall diameter mm (Approx.)	DC. conductor resistance at 20°C Ω/km (Max.)	Current rating in free air at 40°C ambient A	Cable weight kg/km (Approx.)	Standard length m/drum
Cross- sectional area mm ²	No. of wires (Min)	Diameter mm (Approx.)				Cross- sectional area mm ²	No. & dia. of wires No./mm						
1.5	7	1.59	0.8	1.0	10.0	1.5	21/0.30	1.8	14.5	12.1	17	270	500
2.5	7	2.01	0.8	1.0	11.0	2.5	20/0.40	1.8	16.0	7.41	22	340	500
4	7	2.55	1.0	1.0	13.0	4	20/0.50	1.8	18.0	4.61	30	460	500
6	7	3.12	1.0	1.0	14.0	6	18/0.66	1.8	19.5	3.08	38	590	500
10	7	3.98	1.0	1.0	16.0	10	20/0.80	1.8	22.0	1.83	50	810	500
16	7	5.01	1.0	1.0	18.5	16	32/0.80	1.8	24.5	1.15	65	1,120	500
25	7	6.33	1.2	1.0	22.0	16	32/0.80	1.8	28.0	0.727	90	1,540	500
35	7	7.60	1.2	1.0	25.0	16	32/0.80	1.8	31.0	0.524	110	1,930	500
50	19	8.83	1.4	1.0	28.5	25	50/0.80	1.9	34.5	0.387	135	2,560	500
70	19	10.58	1.4	1.2	32.5	35	70/0.80	2.1	39.5	0.268	165	3,520	400
95	19	12.50	1.6	1.2	37.5	50	69/0.96	2.2	45.0	0.193	205	4,740	400
120	37	14.07	1.6	1.2	41.0	70	72/1.11	2.3	49.0	0.153	240	5,850	300
150	37	15.51	1.8	1.4	46.0	70	72/1.11	2.5	54.0	0.124	275	7,070	250
150	37	15.51	1.8	1.4	46.0	95	68/1.33	2.5	54.5	0.124	275	7,320	250
185	37	17.50	2.0	1.4	50.5	95	68/1.33	2.7	60.0	0.0991	315	8,820	200
240	37	20.07	2.2	1.6	58.0	120	67/1.51	2.9	68.0	0.0754	370	11,430	150
300	61	22.50	2.4	1.6	64.0	150	68/1.67	3.1	74.5	0.0601	425	14,090	100
400	61	25.38	2.6	1.8	71.5	185	48/2.21	3.4	84.5	0.0470	490	17,880	100
400	61	25.38	2.6	1.8	71.5	240	50/2.47	3.4	85.0	0.0470	490	18,430	100