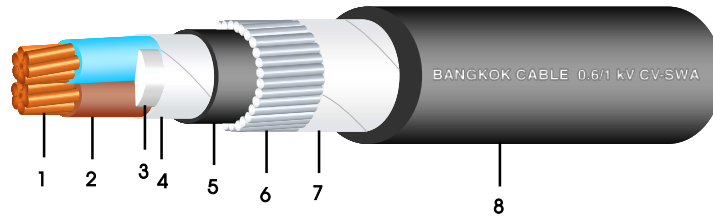


0.6/1 kV CV-SWA (FR-CV-SWA optional)*

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

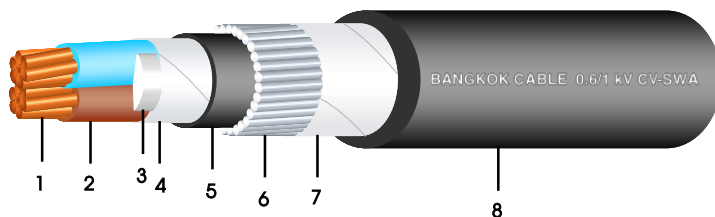
Application

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

Conductor			Thickness	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	9.0	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

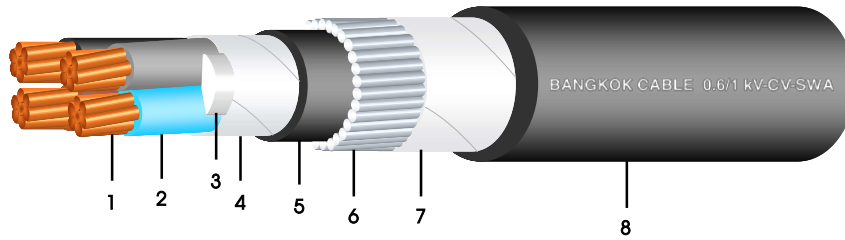
Application

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)*

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

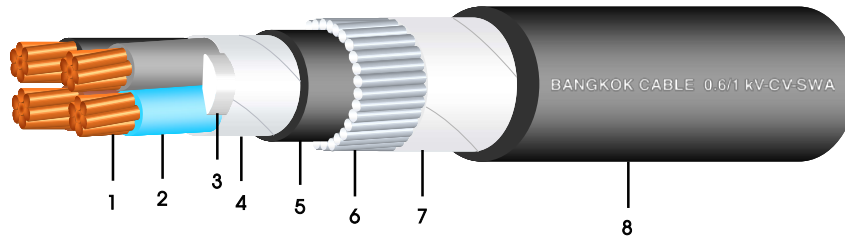
Application

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

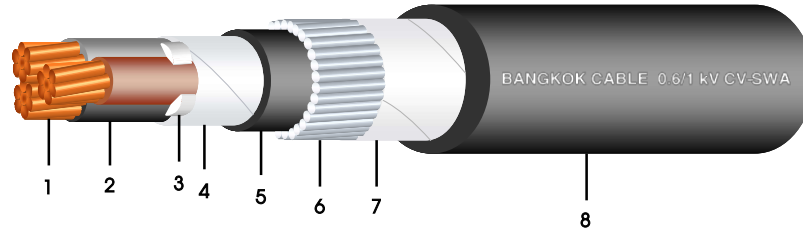
Application

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 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-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

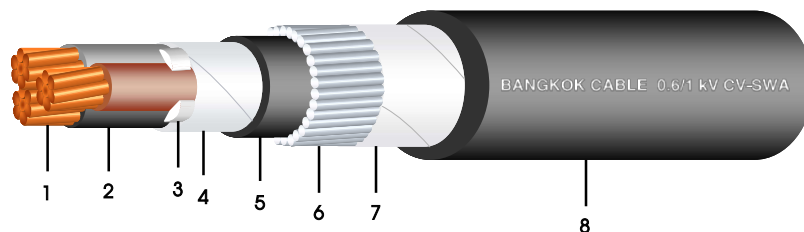
Application

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	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-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