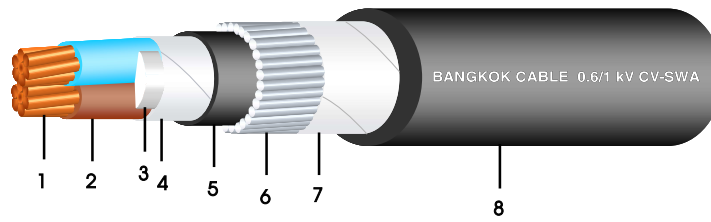


0.6/1 kV CV-SWA (FR-CV-SWA optional)*

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

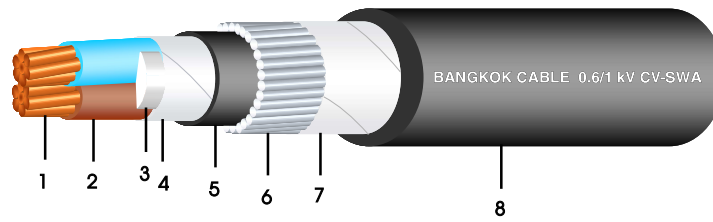
Application

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

Conductor			Thickness of insulation	Thickness of inner sheath	Diameter under armour	Diameter of wire armour	Thickness of outer sheath	Overall diameter	DC. conductor 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.)	(Approx.)	(Nominal)	(Approx.)	(Approx.)	(Nominal)	(Nominal)	(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
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(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