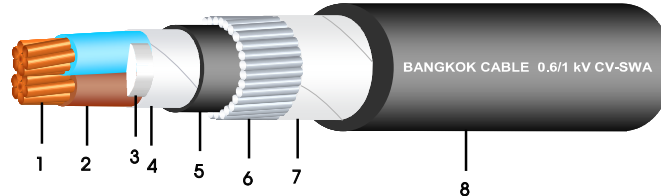


0.6/1 kV CV-SWA (FR-CV-SWA optional)*

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 : Light Blue, Brown
- 3. Filler : Polypropylene (Non-hygroscopic material)
- 4. Binding tape : Polyester tape and/or Spunbond tape
- 5. Inner sheath : Polyvinyl chloride (PVC), Black colour
- 6. Armour : Galvanized steel wires
- 7. Binding tape : Polyester tape and/or Spunbond 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.)	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	1.53	0.7	1.0	9.0	0.8	1.8	15.0	12.1	26	33	340	500
2.5	7	1.98	0.7	1.0	10.0	0.8	1.8	15.5	7.41	35	44	390	500
4	7	2.49	0.7	1.0	11.0	1.3	1.8	17.5	4.61	46	57	560	500
6	7	3.09	0.7	1.0	12.0	1.3	1.8	19.0	3.08	59	72	660	500
10	6	3.72	0.7	1.0	13.5	1.3	1.8	20.0	1.83	80	96	800	500
16	6	4.69	0.7	1.0	15.0	1.3	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	1.9	32.0	0.387	210	235	2,310	500
70	12	9.73	1.1	1.0	27.5	2.0	2.1	36.5	0.268	260	285	3,180	500
95	15	11.43	1.1	1.2	31.5	2.0	2.2	40.5	0.193	320	345	4,020	500
120	18	12.95	1.2	1.2	35.0	2.0	2.3	44.5	0.153	370	390	4,820	400
150	18	14.27	1.4	1.2	38.5	2.5	2.4	49.5	0.124	420	435	6,110	400
185	30	15.98	1.6	1.4	43.0	2.5	2.6	54.5	0.0991	480	490	7,390	300
240	34	18.47	1.7	1.4	48.5	2.5	2.8	60.5	0.0754	560	565	9,090	250
300	34	20.68	1.8	1.6	54.0	2.5	2.9	66.0	0.0601	635	630	10,930	150
400	53	23.39	2.0	1.6	60.5	2.5	3.2	73.0	0.0470	725	705	13,400	100