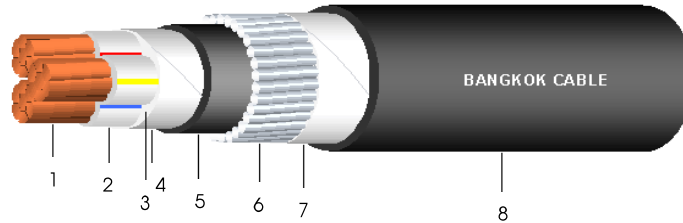


1.8/3(3.6) kV CV-SWA (CE-SWA optional)*

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



Construction

- 1. Conductor : Circular compact stranded annealed copper
- 2. Insulation : Cross-linked polyethylene (XLPE) compound
- 3. Filler : Polypropylene (Non-hygroscopic material)
- 4. Binding tape : Polyester or Spunbond tape
- 5. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
- 6. Armour : Galvanized steel wires
- 7. Binding tape : Polyester or Spunbond tape
- 8. Outer sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-1

Classification

- Maximum conductor temperature : 90°C
- Maximum circuit voltage : 3,6 kV
- AC test voltage : 6,5 kV

Application

For general purpose power distribution in dry or wet location. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Conductor			Thickness of insulation	Diameter over 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.)	(Approx.)	(Nominal)	(Nominal)	(Approx.)	Ω/km	(Max.)	A	A	kg/km (Approx.)	m/drum
10	6	3,72	2,0	8,3	1,0	20,5	1,6	1,8	29	1,83		69	75	1,510	500
16	6	4,69	2,0	9,2	1,0	23,0	1,6	1,9	32	1,15		92	100	1,820	500
25	6	5,90	2,0	10,5	1,0	25,5	1,6	1,9	34	0,727		120	130	2,250	500
35	6	6,95	2,0	11,5	1,1	28,0	2,0	2,1	38	0,524		150	160	2,970	500
50	6	8,33	2,0	12,9	1,1	31,0	2,0	2,2	41	0,387		180	185	3,570	500
70	12	9,73	2,0	14,3	1,2	34,0	2,0	2,3	45	0,268		225	230	4,440	500
95	15	11,43	2,0	16,0	1,3	38,0	2,5	2,4	50	0,193		275	275	5,920	300
120	18	12,95	2,0	17,5	1,3	41,5	2,5	2,5	54	0,153		315	315	6,940	300
150	18	14,27	2,0	18,8	1,4	44,5	2,5	2,6	57	0,124		360	350	8,070	300
185	30	15,98	2,0	20,5	1,5	48,5	2,5	2,8	62	0,0991		410	395	9,560	200
240	34	18,47	2,0	23,0	1,6	54,0	2,5	3,0	68	0,0754		480	455	11,830	200
300	34	20,68	2,0	25,2	1,6	58,5	2,5	3,1	73	0,0601		550	505	14,080	150
400	53	23,39	2,0	27,9	1,8	65,0	3,15	3,4	82	0,0470		625	560	18,150	100