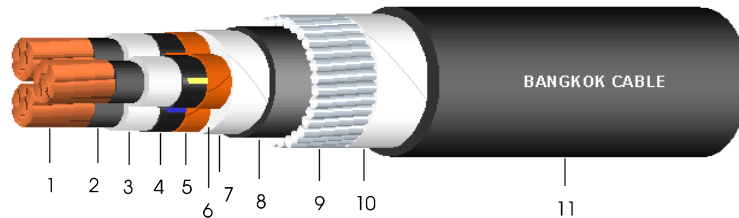


3.6/6(7.2) kV CV-SWA (CE-SWA optional)*

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



Construction

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

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
- Maximum circuit voltage : 7.2 kV
- AC test voltage : 12.5 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.)	(Nominal)	(Approx.)	(Nominal)	(Nominal)	(Approx.)	Ω/km	(Max.)	A	A	kg/km (Approx.)	m/drum
10	6	3.72	2.5	10.1	1.2	29.0	2.0	2.1	39	1.83		80	85	2,570	500
16	6	4.69	2.5	11.0	1.2	31.0	2.0	2.2	41	1.15		110	110	2,940	500
25	6	5.90	2.5	12.3	1.2	33.5	2.0	2.3	44	0.727		145	145	3,460	500
35	6	6.95	2.5	13.3	1.3	36.0	2.5	2.4	48	0.524		175	170	4,400	500
50	6	8.33	2.5	14.7	1.3	39.0	2.5	2.5	51	0.387		210	205	5,100	300
70	12	9.73	2.5	16.1	1.4	42.5	2.5	2.6	55	0.268		260	245	6,050	300
95	15	11.43	2.5	17.8	1.4	46.0	2.5	2.8	59	0.193		315	295	7,230	300
120	18	12.95	2.5	19.3	1.5	49.5	2.5	2.9	63	0.153		360	335	8,390	250
150	18	14.27	2.5	20.6	1.6	52.5	2.5	3.0	66	0.124		405	375	9,570	250
185	30	15.98	2.5	22.3	1.6	56.5	2.5	3.1	70	0.0991		465	420	11,050	200
240	34	18.47	2.6	25.0	1.7	62.5	3.15	3.3	78	0.0754		545	480	14,370	150
300	34	20.68	2.8	27.7	1.8	68.0	3.15	3.5	85	0.0601		615	535	17,030	100