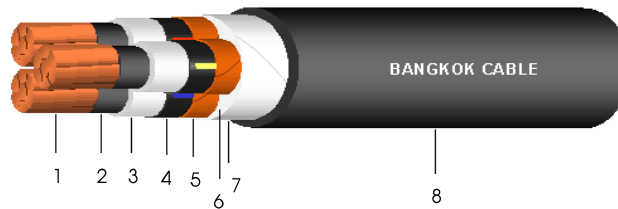


## 6/10(12) kV CV (CE optional)\*

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE



### 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. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)\*

### Reference Standard :

IEC 60502-2

### Classification

- Maximum conductor temperature : 90°C  
 Maximum circuit voltage : 12 kV  
 AC test voltage : 21 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 mm (Nominal)	Diameter over insulation mm (Approx.)	Thickness of sheath mm (Nominal)	Overall diameter mm (Approx.)	DC. Conductor resistance at 20°C Ω/km (Max.)	Insulation resistance at 20°C MΩ.km (Min.)	Current rating		Cable weight kg/km (Approx.)	Standard length m/drum
Cross-sectional area mm <sup>2</sup>	No. of wires (Min.)	Diameter mm (Approx.)							in free air at 40°C ambient A	direct burial in ground at 30°C A		
16	6	4.69	3.4	12.9	2.1	38	1.15	3,140	110	110	1,630	500
25	6	5.90	3.4	14.1	2.2	41	0.727	2,750	140	145	2,040	500
35	6	6.95	3.4	15.2	2.3	43	0.524	2,490	175	175	2,460	500
50	6	8.33	3.4	16.6	2.4	47	0.387	2,210	210	205	2,990	500
70	12	9.73	3.4	18.0	2.5	50	0.268	1,990	260	250	3,760	500
95	15	11.43	3.4	19.7	2.6	54	0.193	1,770	315	300	4,740	500
120	18	12.95	3.4	21.2	2.7	58	0.153	1,620	365	340	5,650	300
150	18	14.27	3.4	22.5	2.8	61	0.124	1,500	415	385	6,630	300
185	30	15.98	3.4	24.2	2.9	65	0.0991	1,370	475	435	7,930	250
240	34	18.47	3.4	26.7	3.1	71	0.0754	1,220	570	505	9,970	200
300	34	20.68	3.4	28.9	3.3	76	0.0601	1,120	650	570	12,080	200
400	53	23.39	3.4	31.6	3.5	83	0.0470	1,010	750	655	14,950	150