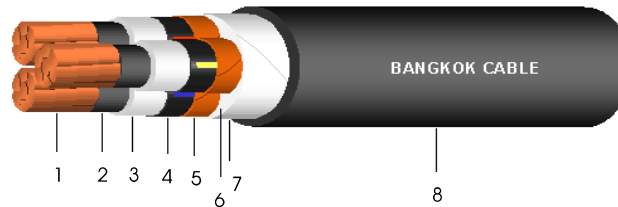


3.6/6(7.2) kV CV (CE optional)*

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE



Construction

1. Conductor : Compact round 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 : 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 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 ²	No. of wires (Min.)	Diameter mm (Approx.)							in free air at 40°C ambient A	direct burial in ground at 30°C A		
10	6	3.72	2.5	10.1	1.9	31	1.83	2,870	80	80	1,110	500
16	6	4.69	2.5	11.0	2.0	34	1.15	2,520	110	110	1,380	500
25	6	5.90	2.5	12.3	2.1	37	0.727	2,190	140	145	1,780	500
35	6	6.95	2.5	13.3	2.1	39	0.524	1,970	170	175	2,160	500
50	6	8.33	2.5	14.7	2.2	42	0.387	1,740	210	205	2,670	500
70	12	9.73	2.5	16.1	2.3	46	0.268	1,550	260	250	3,410	500
95	15	11.43	2.5	17.8	2.5	50	0.193	1,370	315	300	4,390	500
120	18	12.95	2.5	19.3	2.6	53	0.153	1,250	365	340	5,290	300
150	18	14.27	2.5	20.6	2.7	57	0.124	1,160	415	385	6,250	300
185	30	15.98	2.5	22.3	2.8	61	0.0991	1,050	475	435	7,520	300
240	34	18.47	2.6	25.0	3.0	67	0.0754	970	570	505	9,570	250
300	34	20.68	2.8	27.7	3.2	73	0.0601	940	650	570	11,740	200
400	53	23.39	3.0	30.8	3.4	81	0.0470	900	750	650	14,690	150