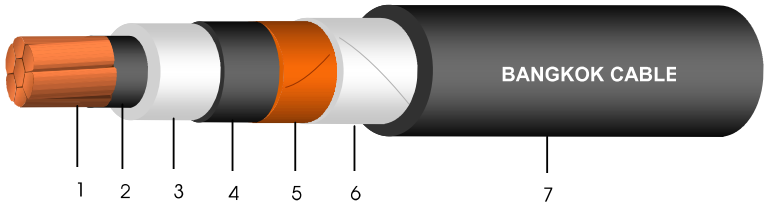
15 kV CV (CE optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE (100% INSULATION LEVELS)



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 (or copper wires)
6. Binding tape : Polyester or Spunbond tape
7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

ICEA S-93-639

Classification

Maximum conductor temperature : 90°C
Maximum circuit voltage : 15 kV
AC test voltage : 35 kV
: 44 kV (for size over 500 mm^2)

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 sheath	Overall diameter	DC. Conductor resistance at 20°C	Insulation resistance at 15.6°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.)	mm (Approx.)	mm (Nominal)	mm (Approx.)	mm (Min.)	mm (Approx.)	Ω/km (Max.)	MΩ.km (Min.)	A	A	kg/km (Approx.)	m/drum
25	6	5.90	4.45	16.3	1.78	23	0.727	2,209	160	150	690	500
35	6	6.95	4.45	17.4	1.78	24	0.524	2,009	200	180	820	500
50	6	8.33	4.45	18.7	1.78	26	0.387	1,797	245	215	970	500
70	12	9.73	4.45	20.1	1.78	27	0.268	1,624	300	260	1,200	500
95	15	11.43	4.45	21.8	1.78	29	0.193	1,455	370	315	1,490	500
120	18	12.95	4.45	23.4	1.78	30	0.153	1,332	425	355	1,760	500
150	18	14.27	4.45	24.7	1.78	32	0.124	1,242	485	400	2,050	500
185	30	15.98	4.45	26.4	1.78	34	0.0991	1,141	560	455	2,430	500
240	34	18.47	4.45	28.9	1.78	36	0.0754	1,021	665	530	3,030	500
300	34	20.68	4.45	31.1	1.78	38	0.0601	934	765	595	3,650	500
400	53	23.39	4.45	33.8	1.78	41	0.0470	846	890	680	4,490	500
500	53	26.67	4.45	37.6	1.78	45	0.0366	746	1,040	780	5,620	300
630	53	30.22	5.59	43.6	2.54	53	0.0283	673	1,200	885	7,420	300
800	53	34.00	5.59	47.3	2.54	57	0.0221	609	1,380	995	9,190	250