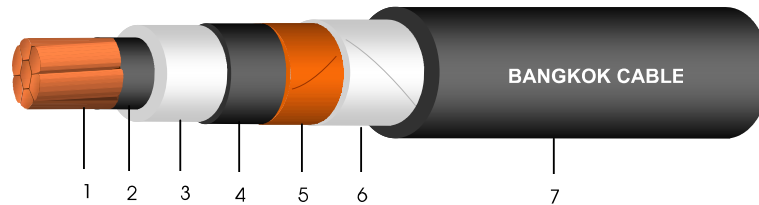


15 kV CV (CE optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE (133% 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 : 44 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 (Min.)	Overall diameter mm (Approx.)	DC. Conductor resistance at 20°C Ω/km (Max.)	Insulation resistance at 15.6°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		
25	6	5.90	5.59	18.7	1.78	26	0.727	2,568	160	150	790	500
35	6	6.95	5.59	19.7	1.78	27	0.524	2,347	200	180	910	500
50	6	8.33	5.59	21.1	1.78	28	0.387	2,111	245	215	1,070	500
70	12	9.73	5.59	22.5	1.78	30	0.268	1,918	300	260	1,310	500
95	15	11.43	5.59	24.2	1.78	31	0.193	1,728	370	315	1,600	500
120	18	12.95	5.59	25.7	1.78	33	0.153	1,588	425	355	1,880	500
150	18	14.27	5.59	27.1	1.78	34	0.124	1,484	485	400	2,170	500
185	30	15.98	5.59	28.8	1.78	36	0.0991	1,368	560	455	2,560	500
240	34	18.47	5.59	31.3	1.78	39	0.0754	1,230	665	530	3,170	500
300	34	20.68	5.59	33.5	1.78	41	0.0601	1,128	765	595	3,800	500
400	53	23.39	5.59	36.2	1.78	44	0.0470	1,025	890	680	4,650	500
500	53	26.67	5.59	40.0	2.54	49	0.0366	908	1,040	780	5,970	300
630	53	30.22	5.59	43.6	2.54	53	0.0283	821	1,200	885	7,420	300
800	53	34.00	5.59	47.3	2.54	57	0.0221	745	1,380	995	9,190	250