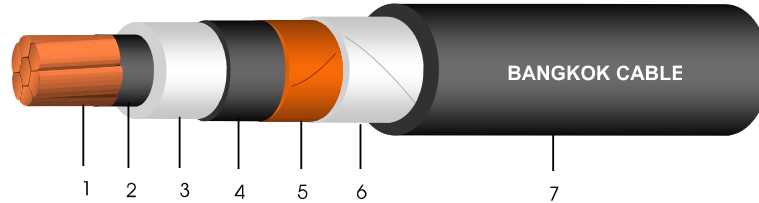


35 kV CV (CE optional)*

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 : 35 kV
 AC test voltage : 84 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 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.)	(Approx.)	(Nominal)	(Approx.)	(Min.)	(Approx.)	Ω/km (Max.)	MΩ.km (Min.)	A	A	kg/km (Approx.)	m/drum
50	6	8.33	10.67	31.7	1.78	39	0.387	3,184	245	210	1,640	500
70	12	9.73	10.67	33.1	1.78	40	0.268	2,935	305	260	1,890	500
95	15	11.43	10.67	34.8	1.78	42	0.193	2,685	370	310	2,220	500
120	18	12.95	10.67	36.3	1.78	44	0.153	2,497	425	355	2,510	500
150	18	14.27	10.67	37.6	2.54	47	0.124	2,356	480	400	3,000	500
185	30	15.98	10.67	39.3	2.54	49	0.0991	2,196	550	450	3,420	500
240	34	18.47	10.67	41.8	2.54	51	0.0754	2,000	655	525	4,080	500
300	34	20.68	10.67	44.0	2.54	53	0.0601	1,854	750	595	4,740	500
400	53	23.39	10.67	46.7	2.54	56	0.0470	1,703	870	680	5,650	300
500	53	26.67	10.67	50.6	2.54	60	0.0366	1,528	1,015	775	6,860	300
630	53	30.22	10.67	54.1	2.54	64	0.0283	1,395	1,180	885	8,370	300
800	53	34.00	10.67	57.9	2.54	68	0.0221	1,278	1,350	995	10,200	200