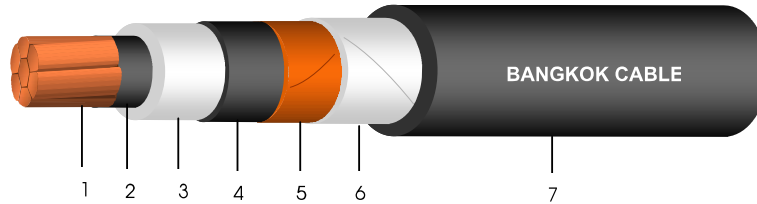


## 25 kV CV (CE optional)\*

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 : 25 kV
- AC test voltage : 64 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 <sup>2</sup>	No. of wires (Min.)	Diameter of wires mm (Approx.)							in free air at 40°C ambient A	direct burial in ground at 30°C A		
35	6	6.95	8.13	25.0	1.78	32	0.524	2,974	200	180	1,170	500
50	6	8.33	8.13	26.4	1.78	34	0.387	2,702	245	215	1,340	500
70	12	9.73	8.13	27.8	1.78	35	0.268	2,475	305	260	1,580	500
95	15	11.43	8.13	29.5	1.78	37	0.193	2,250	370	310	1,890	500
120	18	12.95	8.13	31.0	1.78	38	0.153	2,081	425	355	2,180	500
150	18	14.27	8.13	32.3	1.78	40	0.124	1,956	485	400	2,480	500
185	30	15.98	8.13	34.0	1.78	41	0.0991	1,814	560	455	2,890	500
240	34	18.47	8.13	36.5	1.78	44	0.0754	1,643	660	525	3,510	500
300	34	20.68	8.13	38.7	2.54	48	0.0601	1,516	760	595	4,330	500
400	53	23.39	8.13	41.5	2.54	51	0.0470	1,386	880	680	5,210	500
500	53	26.67	8.13	45.3	2.54	55	0.0366	1,236	1,025	775	6,400	300
630	53	30.22	8.13	48.8	2.54	58	0.0283	1,124	1,190	885	7,880	300
800	53	34.00	8.13	52.6	2.54	62	0.0221	1,025	1,365	995	9,680	250