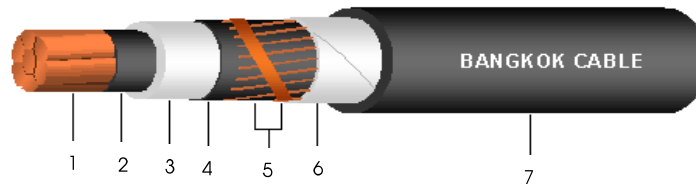


3.6/6(7.2) kV CV (CE optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE



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 wires with copper contact tape
6. Binding tape : Polyester or Spunbond tape
7. 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	Diameter over insulation	Area of metallic screen	Thickness of sheath	Overall diameter	DC. Conductor resistance at 20°C	Insulation resistance at 20°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 ²	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	MΩ.km (Min.)	A	A	kg/km (Approx.)	m/drum
10	6	3.72	2.5	10.1	10	1.4	17	1.83	2,870	95	95	400	500
16	6	4.69	2.5	11.0	10	1.5	19	1.15	2,520	125	120	480	500
25	6	5.90	2.5	12.3	10	1.5	20	0.727	2,190	165	155	590	500
35	6	6.95	2.5	13.3	10	1.6	21	0.524	1,970	205	190	710	500
50	6	8.33	2.5	14.7	10	1.6	23	0.387	1,740	245	225	850	500
70	12	9.73	2.5	16.1	10	1.6	24	0.268	1,550	305	275	1,070	500
95	15	11.43	2.5	17.8	10	1.7	26	0.193	1,370	375	330	1,350	500
120	18	12.95	2.5	19.3	10	1.8	28	0.153	1,250	435	375	1,620	500
150	18	14.27	2.5	20.6	16	1.8	29	0.124	1,160	495	425	1,960	500
185	30	15.98	2.5	22.3	16	1.9	31	0.0991	1,050	570	480	2,340	500
240	34	18.47	2.6	25.0	25	1.9	34	0.0754	970	680	560	3,010	500
300	34	20.68	2.8	27.7	25	2.0	37	0.0601	940	780	635	3,650	500
400	53	23.39	3.0	30.8	25	2.2	41	0.0470	900	905	725	4,540	500
500	53	26.67	3.2	35.0	25	2.3	46	0.0366	840	1,055	830	5,700	300
630	53	30.22	3.2	38.6	25	2.4	49	0.0283	750	1,225	945	7,130	300
800	53	34.00	3.2	42.4	25	2.5	53	0.0221	680	1,410	1,065	8,890	250