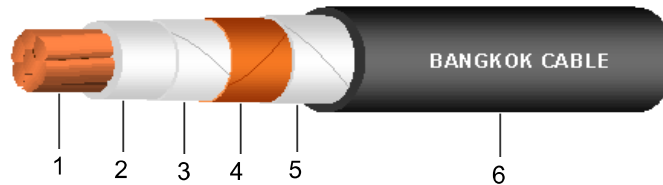


1.8/3(3.6) kV CV (CE optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE



Construction

1. Conductor : Circular compact stranded annealed copper
2. Insulation : Cross-linked polyethylene (XLPE) compound
3. Binding tape : Polyester or Spunbond tape
4. Metallic screen : Copper tape
5. Binding tape : Polyester or Spunbond tape
6. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-1

Classification

- Maximum conductor temperature : 90°C
 Maximum circuit voltage : 3.6 kV
 AC test voltage : 6.5 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 mm (Nominal)	Diameter over insulation mm (Approx.)	Thickness of sheath mm (Nominal)	Overall diameter mm (Approx.)	DC. Conductor resistance at 20°C Ω/km (Max.)	Insulation resistance at 20°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		
10	6	3.72	2.0	8.3	1.4	13	1.83	3,210	93	95	250	500
16	6	4.69	2.0	9.2	1.4	14	1.15	2,720	120	120	320	500
25	6	5.90	2.0	10.5	1.4	15	0.727	2,300	160	155	420	500
35	6	6.95	2.0	11.5	1.4	16	0.524	2,020	195	190	530	500
50	6	8.33	2.0	12.9	1.4	18	0.387	1,750	235	225	660	500
70	12	9.73	2.0	14.3	1.5	20	0.268	1,540	295	275	880	500
95	15	11.43	2.0	16.0	1.5	21	0.193	1,350	365	330	1,150	500
120	18	12.95	2.0	17.5	1.6	23	0.153	1,210	420	375	1,410	500
150	18	14.27	2.0	18.8	1.6	24	0.124	1,110	480	420	1,690	500
185	30	15.98	2.0	20.5	1.7	26	0.0991	1,010	555	480	2,060	500
240	34	18.47	2.0	23.0	1.8	29	0.0754	890	660	555	2,640	500
300	34	20.68	2.0	25.2	1.8	32	0.0601	800	760	630	3,240	500
400	53	23.39	2.0	27.9	1.9	35	0.0470	720	880	720	4,070	500
500	53	26.67	2.2	31.7	2.0	39	0.0366	690	1020	825	5,170	300
630	53	30.22	2.4	35.7	2.2	43	0.0283	670	1170	940	6,620	300
800	53	34.00	2.6	39.9	2.3	48	0.0221	650	1325	1,055	8,380	250