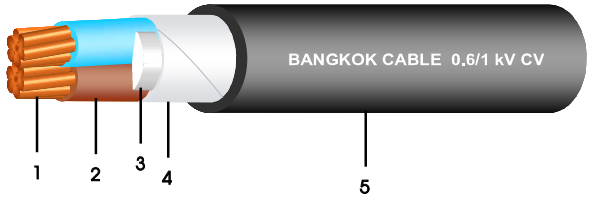
0.6/1 kV CV (FR-CV optional)*

2 CORES - CROSSLINKED POLYETHYLENE POWER CABLE



Construction

1. Conductor : Circular stranded or circular compacted stranded annealed copper
2. Insulation : Cross-linked polyethylene (XLPE)
   Colour code : Light Blue, Brown
3. Filler : Polypropylene (Non-hygroscopic material)
4. Binding tape : Polyester tape and/or Spunbond tape
5. Sheath : Polyvinyl chloride (PVC), Black colour, (Optional : FR-PVC)*

Reference Standard :

IEC 60502-1

Classification

Maximum conductor temperature	: 90°C
Maximum circuit voltage	: 1,000 V
AC test voltage	: 3,500 V

Application

For general purpose power distribution in dry or wet location, installation exposed in conduit or duct or direct burial in ground.

Conductor			Thickness of insulation	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 (Nominal)	mm (Approx.)	Ω/km (Max.)	MΩ.km (Min.)	A	A	kg/km (Approx.)	m/drum
1.5	7	1.53	0.7	1.8	11.0	12.1	2,550	24	33	120	500
2.5	7	1.98	0.7	1.8	11.5	7.41	2,100	33	44	160	500
4	7	2.49	0.7	1.8	12.5	4.61	1,700	44	58	200	500
6	7	3.09	0.7	1.8	14.0	3.08	1,450	57	73	260	500
10	6	3.72	0.7	1.8	15.0	1.83	1,250	78	97	360	500
16	6	4.69	0.7	1.8	17.0	1.15	1,000	105	125	510	500
25	6	5.90	0.9	1.8	20.5	0.727	1,050	135	165	760	500
35	6	6.95	0.9	1.8	22.5	0.524	900	168	195	1,000	500
50	6	8.33	1.0	1.8	26.0	0.387	850	212	235	1,330	500
70	12	9.73	1.1	1.8	29.5	0.268	800	263	290	1,820	500
95	15	11.43	1.1	1.9	33.0	0.193	700	321	350	2440	500
120	18	12.95	1.2	2.0	36.5	0.153	650	373	400	3,060	500
150	18	14.27	1.4	2.1	40.5	0.124	700	431	450	3,750	500
185	30	15.98	1.6	2.3	45.0	0.0991	700	493	505	4,700	400
240	34	18.47	1.7	2.5	51.0	0.0754	650	584	585	6,110	300
300	34	20.68	1.8	2.6	56.0	0.0601	600	674	665	7,550	250
400	53	23.39	2.0	2.9	63.5	0.0470	600	812	750	9,630	200