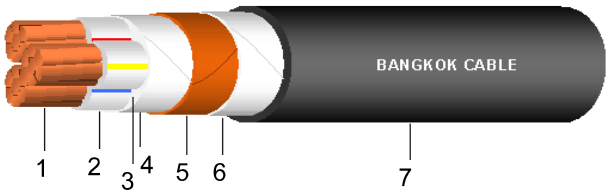
1.8/3(3.6) kV CV (CE optional)*

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE



Construction

1. Conductor	:	Circular compact stranded annealed copper
2. Insulation	:	Cross-linked polyethylene (XLPE) compound
3. Filler	:	Polypropylene (Non-hygroscopic material)
4. Binding tape	:	Polyester or Spunbond tape
5. Metallic screen	:	Copper tape
6. Binding tape	:	Polyester or Spunbond tape
7. 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.

B

Conductor			Thickness of insulation	Diameter over 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 (Approx.)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	MΩ.km (Min.)	A	A	kg/km (Approx.)	m/drum
10	6	3.72	2.0	8.3	1.8	24	1.83	3,210	67	78	740	500
16	6	4.69	2.0	9.2	1.8	26	1.15	2,720	90	100	970	500
25	6	5.90	2.0	10.5	1.8	29	0.727	2,300	120	130	1,310	500
35	6	6.95	2.0	11.5	1.8	31	0.524	2,020	145	160	1,650	500
50	6	8.33	2.0	12.9	1.9	35	0.387	1,750	175	190	2,110	500
70	12	9.73	2.0	14.3	2.0	38	0.268	1,540	220	235	2,820	500
95	15	11.43	2.0	16.0	2.2	42	0.193	1,350	275	280	3,740	500
120	18	12.95	2.0	17.5	2.3	46	0.153	1,210	320	320	4,570	500
150	18	14.27	2.0	18.8	2.4	49	0.124	1,110	365	360	5,500	300
185	30	15.98	2.0	20.5	2.5	53	0.0991	1,010	415	410	6,720	300
240	34	18.47	2.0	23.0	2.7	59	0.0754	890	495	470	8,630	250
300	34	20.68	2.0	25.2	2.8	64	0.0601	800	570	530	10,610	200
400	53	23.39	2.0	27.9	3.1	71	0.0470	720	655	600	13,370	150