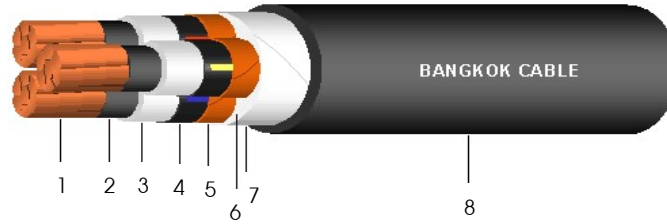


3.6/6(7.2) kV CV (CE optional)*

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE



Construction

1. Conductor : Compact round 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
6. Filler : Polypropylene (Non-hygroscopic material)
7. Binding tape : Polyester tape
8. 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

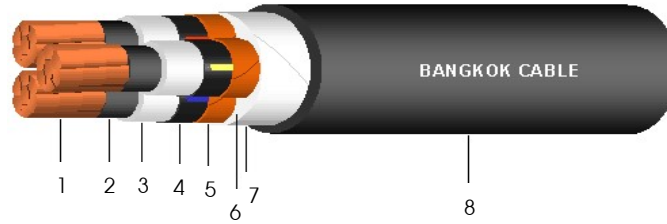
Application

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	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	direct burial in ground		
mm ²	(Min.)	(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	2.5	10.3	1.9	31	1.83	2,870	80	80	1,080	500
16	6	4.69	2.5	11.3	2.0	33	1.15	2,520	110	110	1,350	500
25	6	5.90	2.5	12.5	2.1	36	0.727	2,190	140	145	1,730	500
35	6	6.95	2.5	13.6	2.1	38	0.524	1,970	170	175	2,100	500
50	6	8.33	2.5	14.9	2.2	41	0.387	1,740	210	205	2,600	500
70	12	9.73	2.5	16.3	2.3	45	0.268	1,550	260	250	3,330	500
95	15	11.43	2.5	18.0	2.5	49	0.193	1,370	315	300	4,280	500
120	18	12.95	2.5	19.6	2.6	52	0.153	1,250	365	340	5,150	300
150	18	14.27	2.5	20.9	2.7	55	0.124	1,160	415	385	6,080	300
185	30	15.98	2.5	22.6	2.8	59	0.0991	1,050	475	435	7,330	300
240	34	18.47	2.6	25.3	3.0	65	0.0754	970	570	505	9,320	250
300	34	20.68	2.8	27.9	3.2	72	0.0601	940	650	570	11,440	200
400	53	23.39	3.0	31.0	3.4	79	0.0470	900	750	650	14,300	150

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

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE



Construction

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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 cross-sectional area mm ²	AC Resistance of conductor at 90 °C Ω/km (Approx.)	Inductance mH/km (Approx.)	Reactance Ω/km (Approx.)	Impedance Ω/km (Approx.)
10	2.33	0.425	0.133	2.34
16	1.47	0.394	0.124	1.47
25	0.927	0.366	0.115	0.934
35	0.668	0.348	0.109	0.677
50	0.494	0.328	0.103	0.504
70	0.342	0.313	0.0983	0.356
95	0.247	0.299	0.0938	0.264
120	0.196	0.289	0.0908	0.216
150	0.160	0.281	0.0884	0.182
185	0.128	0.273	0.0859	0.154
240	0.0987	0.265	0.0833	0.129
300	0.0799	0.261	0.0820	0.115
400	0.0642	0.256	0.0805	0.103