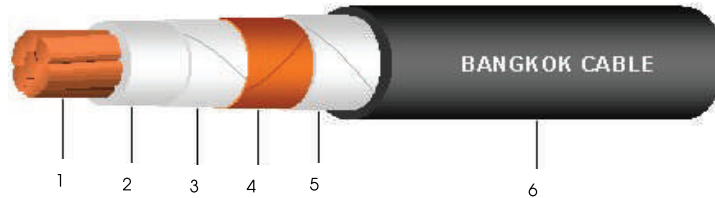


1.8/3(3.6) kV CV (CE optional)*

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 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

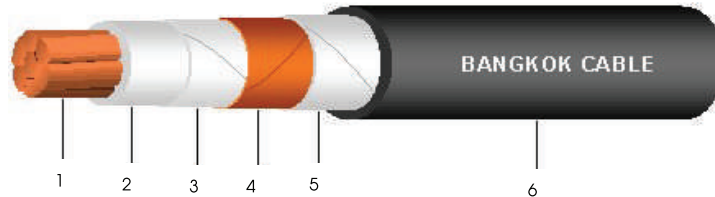
Application

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	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	8.1	1.4	12	1.83	3,210	100	90	240	500
16	6	4.69	2.0	9.1	1.4	13	1.15	2,720	130	120	310	500
25	6	5.90	2.0	10.3	1.4	15	0.727	2,300	170	150	410	500
35	6	6.95	2.0	11.4	1.4	16	0.524	2,020	200	180	510	500
50	6	8.33	2.0	12.7	1.4	17	0.387	1,750	250	220	640	500
70	12	9.73	2.0	14.1	1.5	19	0.268	1,540	310	260	860	500
95	15	11.43	2.0	15.8	1.5	20	0.193	1,350	380	320	1,130	500
120	18	12.95	2.0	17.4	1.6	22	0.153	1,210	440	360	1,380	500
150	18	14.27	2.0	18.7	1.6	23	0.124	1,110	500	400	1,660	500
185	30	15.98	2.0	20.4	1.7	25	0.0991	1,010	580	460	2,030	500
240	34	18.47	2.0	22.9	1.8	28	0.0754	890	690	530	2,600	500
300	34	20.68	2.0	25.1	1.8	30	0.0601	800	800	600	3,190	500
400	53	23.39	2.0	27.8	1.9	33	0.0470	720	940	685	4,010	500
500	53	26.67	2.2	31.5	2.0	37	0.0366	690	1100	780	5,090	300
630	53	30.22	2.4	35.4	2.2	41	0.0283	670	1275	890	6,520	300
800	53	34.00	2.6	39.6	2.3	46	0.0221	650	1465	1,000	8,260	250

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 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

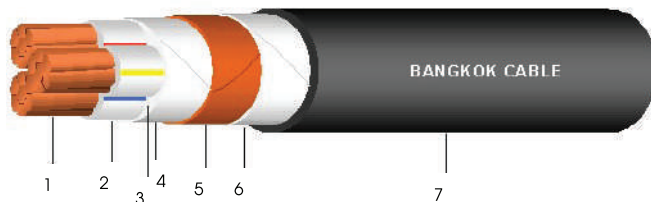
Application

For general purpose power distribution in dry or wet location.
Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Conductor 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	0.608	0.191	2.34
16	1.47	0.577	0.181	1.48
25	0.927	0.560	0.176	0.944
35	0.668	0.540	0.170	0.690
50	0.494	0.516	0.162	0.520
70	0.342	0.507	0.159	0.377
95	0.247	0.485	0.152	0.290
120	0.196	0.479	0.151	0.247
150	0.159	0.469	0.147	0.217
185	0.127	0.463	0.145	0.193
240	0.0974	0.457	0.143	0.173
300	0.0782	0.448	0.141	0.161
400	0.0620	0.442	0.139	0.152
500	0.0492	0.439	0.138	0.146
630	0.0393	0.434	0.136	0.142
800	0.0321	0.434	0.136	0.140

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 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

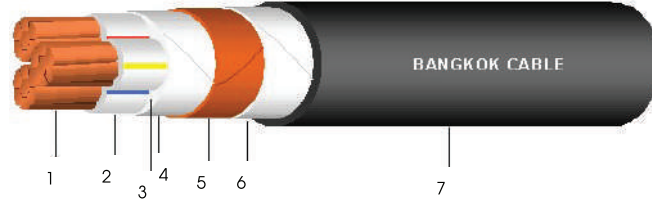
Application

For general purpose power distribution in dry or wet location.
Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

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	8.1	1.8	23	1.83	3,210	70	80	690	500
16	6	4.69	2.0	9.1	1.8	25	1.15	2,720	90	110	910	500
25	6	5.90	2.0	10.3	1.8	27	0.727	2,300	120	140	1,240	500
35	6	6.95	2.0	11.4	1.8	30	0.524	2,020	150	160	1,570	500
50	6	8.33	2.0	12.7	1.9	33	0.387	1,750	180	195	2,010	500
70	12	9.73	2.0	14.1	2.0	36	0.268	1,540	230	240	2,700	500
95	15	11.43	2.0	15.8	2.2	40	0.193	1,350	280	285	3,580	500
120	18	12.95	2.0	17.4	2.3	44	0.153	1,210	320	320	4,390	500
150	18	14.27	2.0	18.7	2.4	47	0.124	1,110	370	360	5,290	300
185	30	15.98	2.0	20.4	2.5	51	0.0991	1,010	420	410	6,470	300
240	34	18.47	2.0	22.9	2.7	57	0.0754	890	500	470	8,330	250
300	34	20.68	2.0	25.1	2.8	62	0.0601	800	570	530	10,250	200
400	53	23.39	2.0	27.8	3.1	68	0.0470	720	660	600	12,930	150

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 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

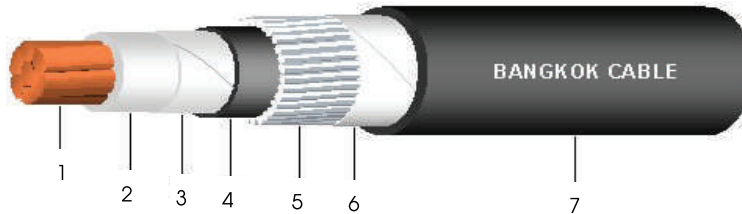
Application

For general purpose power distribution in dry or wet location.
Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

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	0.344	0.108	2.34
16	1.47	0.321	0.101	1.47
25	0.927	0.300	0.0943	0.932
35	0.668	0.288	0.0904	0.675
50	0.494	0.273	0.0858	0.501
70	0.342	0.263	0.0826	0.352
95	0.247	0.253	0.0796	0.260
120	0.197	0.248	0.0778	0.211
150	0.160	0.243	0.0762	0.177
185	0.129	0.237	0.0746	0.149
240	0.0994	0.232	0.0728	0.123
300	0.0808	0.227	0.0714	0.108
400	0.0653	0.223	0.0701	0.0958

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

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



Construction

1. Conductor : Circular compact stranded annealed copper
2. Insulation : Cross-linked polyethylene (XLPE) compound
3. Binding tape : Polyester or Spunbond tape
4. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
5. Armour : Aluminium wires
6. Binding tape : Polyester tape
7. Outer 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

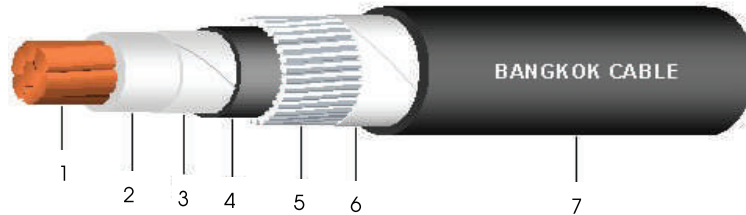
Application

For general purpose power distribution in dry or wet location.
Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Conductor			Thickness	Diameter	Thickness	Diameter	Diameter	Thickness	Overall	DC,	Current rating		Cable	Standard
Cross-sectional area	No. of wires	Diameter	of insulation	over insulation	of inner sheath	under armour	of wire armour	of outer sheath	diameter	Conductor resistance at 20°C	in free air at 40°C ambient	direct burial in ground at 30°C	weight	length
mm ²	(Min.)	(Approx.)	mm	mm	mm	mm	mm	mm	mm	Ω/km (Max.)	A	A	kg/km (Approx.)	m/drum
10	6	3.72	2.0	8.1	1.0	10.5	0.8	1.8	17	1.83	100	90	380	500
16	6	4.69	2.0	9.1	1.0	11.5	1.25	1.8	19	1.15	130	120	510	500
25	6	5.90	2.0	10.3	1.0	13.0	1.25	1.8	20	0.727	170	150	620	500
35	6	6.95	2.0	11.4	1.0	14.0	1.25	1.8	21	0.524	210	180	740	500
50	6	8.33	2.0	12.7	1.0	15.5	1.25	1.8	22	0.387	255	220	890	500
70	12	9.73	2.0	14.1	1.0	16.5	1.6	1.8	24	0.268	320	270	1,160	500
95	15	11.43	2.0	15.8	1.0	18.5	1.6	1.8	26	0.193	390	320	1,460	500
120	18	12.95	2.0	17.4	1.0	20.0	1.6	1.8	28	0.153	455	360	1,720	500
150	18	14.27	2.0	18.7	1.0	21.5	1.6	1.8	29	0.124	520	410	2,010	500
185	30	15.98	2.0	20.4	1.0	23.0	1.6	1.9	31	0.0991	595	460	2,420	500
240	34	18.47	2.0	22.9	1.0	25.5	1.6	1.9	33	0.0754	710	540	3,010	500
300	34	20.68	2.0	25.1	1.0	27.5	2.0	2.0	36	0.0601	820	610	3,730	500
400	53	23.39	2.0	27.8	1.2	31.0	2.0	2.2	40	0.0470	950	690	4,660	500
500	53	26.67	2.2	31.5	1.2	34.5	2.0	2.3	44	0.0366	1,110	790	5,820	300
630	53	30.22	2.4	35.4	1.2	38.5	2.5	2.4	49	0.0283	1,300	900	7,450	300
800	53	34.00	2.6	39.6	1.4	43.0	2.5	2.6	54	0.0221	1,490	1010	9,370	250

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

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



Construction

1. Conductor : Circular compact stranded annealed copper
2. Insulation : Cross-linked polyethylene (XLPE) compound
3. Binding tape : Polyester or Spunbond tape
4. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
5. Armour : Aluminium wires
6. Binding tape : Polyester tape
7. Outer 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

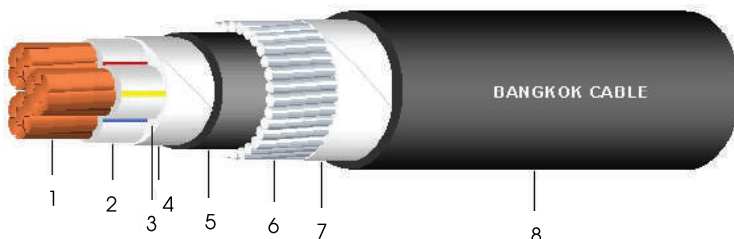
Application

For general purpose power distribution in dry or wet location.
Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Conductor 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	0.677	0.213	2.34
16	1.47	0.653	0.205	1.48
25	0.927	0.618	0.194	0.947
35	0.668	0.595	0.187	0.694
50	0.494	0.568	0.178	0.525
70	0.342	0.554	0.174	0.384
95	0.246	0.538	0.169	0.299
120	0.196	0.528	0.166	0.256
150	0.159	0.515	0.162	0.227
185	0.127	0.506	0.159	0.204
240	0.0973	0.490	0.154	0.182
300	0.0781	0.484	0.152	0.171
400	0.0617	0.481	0.151	0.163
500	0.0490	0.474	0.149	0.157
630	0.0390	0.470	0.148	0.153
800	0.0317	0.466	0.146	0.150

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

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



Construction

- Conductor : Circular compact stranded annealed copper
- Insulation : Cross-linked polyethylene (XLPE) compound
- Filler : Polypropylene (Non-hygroscopic material)
- Binding tape : Polyester or Spunbond tape
- Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
- Armour : Galvanized steel wires
- Binding tape : Polyester tape
- Outer 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

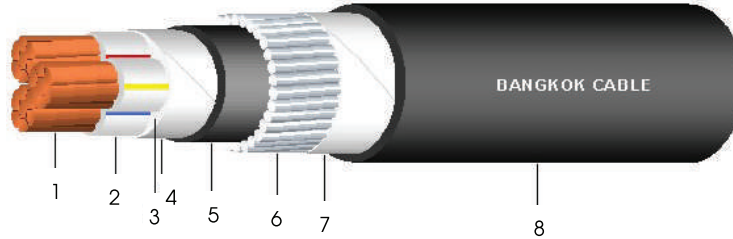
Application

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 inner sheath mm (Approx.)	Diameter under armour mm (Approx.)	Diameter of wire armour mm (Nominal)	Thickness of outer sheath mm (Nominal)	Overall diameter mm (Approx.)	DC, Conductor resistance at 20°C Ω/km (Max.)	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	8.1	1.0	20.0	1.6	1.8	28	1.83	70	80	1,440	500
16	6	4.69	2.0	9.1	1.0	22.0	1.6	1.9	30	1.15	95	105	1,740	500
25	6	5.90	2.0	10.3	1.0	25.0	1.6	1.9	33	0.727	120	135	2,160	500
35	6	6.95	2.0	11.4	1.0	27.0	2.0	2.0	36	0.524	150	160	2,820	500
50	6	8.33	2.0	12.7	1.2	30.5	2.0	2.2	40	0.387	180	190	3,480	500
70	12	9.73	2.0	14.1	1.2	33.5	2.0	2.3	43	0.268	230	230	4,290	500
95	15	11.43	2.0	15.8	1.2	37.0	2.5	2.4	48	0.193	280	280	5,700	300
120	18	12.95	2.0	17.4	1.4	41.0	2.5	2.5	52	0.153	320	320	6,780	300
150	18	14.27	2.0	18.7	1.4	44.0	2.5	2.6	55	0.124	360	350	7,850	300
185	30	15.98	2.0	20.4	1.4	47.5	2.5	2.8	59	0.0991	415	400	9,240	200
240	34	18.47	2.0	22.9	1.6	53.5	2.5	3.0	65	0.0754	485	455	11,510	200
300	34	20.68	2.0	25.1	1.6	58.0	2.5	3.1	70	0.0601	550	510	13,710	150
400	53	23.39	2.0	27.8	1.6	64.0	3.15	3.4	78	0.0470	620	560	17,560	100

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

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
6. Armour : Galvanized steel wires
7. Binding tape : Polyester tape
8. Outer 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

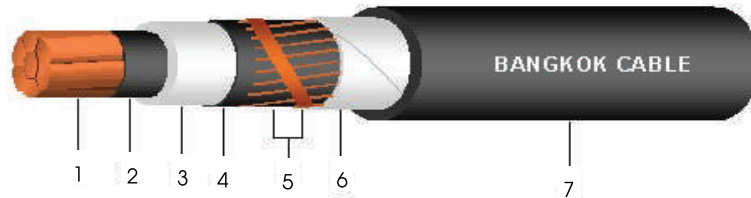
Application

For general purpose power distribution in dry or wet location.
Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Conductor 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	0.344	0.108	2.34
16	1.47	0.321	0.101	1.47
25	0.927	0.300	0.0943	0.932
35	0.668	0.288	0.0904	0.675
50	0.494	0.273	0.0858	0.501
70	0.342	0.263	0.0826	0.352
95	0.247	0.253	0.0796	0.260
120	0.197	0.248	0.0778	0.211
150	0.160	0.243	0.0762	0.177
185	0.129	0.237	0.0746	0.149
240	0.0994	0.232	0.0728	0.123
300	0.0808	0.227	0.0714	0.108
400	0.0653	0.223	0.0701	0.0958

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 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

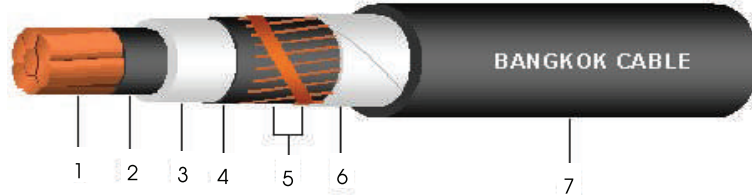
Application

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 mm (Nominal)	Diameter over insulation mm (Approx.)	Area of metallic screen mm ²	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	2.5	10.3	10	1.4	17	1.83	2,870	100	90	400	500
16	6	4.69	2.5	11.3	10	1.5	18	1.15	2,520	130	120	490	500
25	6	5.90	2.5	12.5	10	1.5	19	0.727	2,190	180	155	600	500
35	6	6.95	2.5	13.6	10	1.6	21	0.524	1,970	210	185	720	500
50	6	8.33	2.5	14.9	10	1.6	22	0.387	1,740	260	220	860	500
70	12	9.73	2.5	16.3	10	1.6	23	0.268	1,550	320	270	1,070	500
95	15	11.43	2.5	18.0	10	1.7	25	0.193	1,370	390	320	1,350	500
120	18	12.95	2.5	19.6	10	1.8	27	0.153	1,250	450	360	1,620	500
150	18	14.27	2.5	20.9	16	1.8	28	0.124	1,160	520	410	1,950	500
185	30	15.98	2.5	22.6	16	1.9	30	0.0991	1,050	595	460	2,330	500
240	34	18.47	2.6	25.3	25	1.9	33	0.0754	970	710	535	3,000	500
300	34	20.68	2.8	27.9	25	2.0	36	0.0601	940	810	605	3,630	500
400	53	23.39	3.0	31.0	25	2.2	39	0.0470	900	950	690	4,510	500
500	53	26.67	3.2	35.2	25	2.3	44	0.0366	840	1,100	790	5,660	300
630	53	30.22	3.2	38.8	25	2.4	48	0.0283	750	1,280	895	7,080	300
800	53	34.00	3.2	42.6	25	2.5	52	0.0221	680	1,470	1,010	8,820	250

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 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

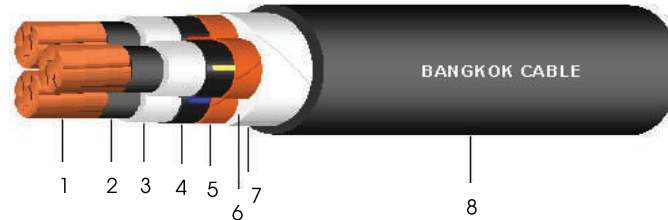
Application

For general purpose power distribution in dry or wet location.
 Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Conductor 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	0.677	0.213	2.34
16	1.47	0.642	0.202	1.48
25	0.927	0.607	0.191	0.947
35	0.668	0.595	0.187	0.694
50	0.494	0.568	0.178	0.525
70	0.342	0.546	0.171	0.383
95	0.247	0.530	0.167	0.297
120	0.196	0.520	0.163	0.255
150	0.159	0.508	0.160	0.225
185	0.127	0.499	0.157	0.202
240	0.0973	0.490	0.154	0.182
300	0.0781	0.484	0.152	0.171
400	0.0618	0.476	0.149	0.162
500	0.0490	0.474	0.149	0.157
630	0.0390	0.466	0.146	0.152
800	0.0318	0.458	0.144	0.147

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

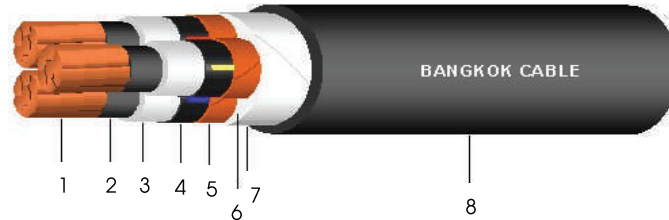
Application

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 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	2.5	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

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

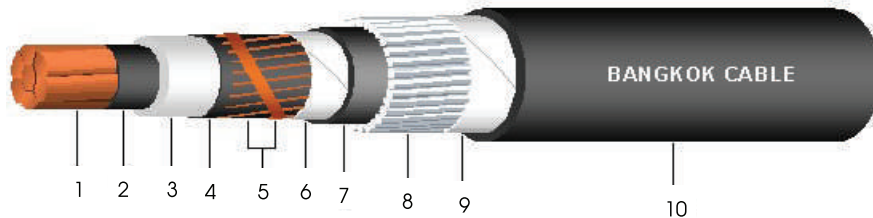
Application

For general purpose power distribution in dry or wet location.
 Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Conductor 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

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

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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 tape
7. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
8. Armour : Aluminium wires
9. Binding tape : Polyester tape
10. Outer 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

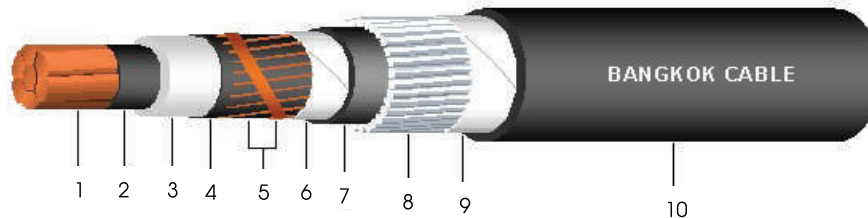
Application

For general purpose power distribution in dry or wet location.
Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Conductor			Thickness	Diameter	Area	Thickness	Diameter	Diameter	Thickness	Overall	DC.	Current rating		Cable	Standard
Cross-sectional area	No. of wires	Diameter	of insulation	over insulation	of metallic screen	of inner sheath	under armour	of wire armour	of outer sheath	diameter	Conductor resistance at 20°C	in free air at 40°C ambient	direct burial in ground at 30°C	weight	length
mm ²	(Min.)	(Approx.)	mm	mm	mm ²	(Nominal)	(Approx.)	mm	mm	mm	Ω/km (Max.)	A	A	kg/km (Approx.)	m/drum
10	6	3.72	2.5	10.3	10	1.2	16.5	1.6	1.6	24	1.83	110	90	770	500
16	6	4.69	2.5	11.3	10	1.2	17.5	1.6	1.7	25	1.15	140	120	870	500
25	6	5.90	2.5	12.5	10	1.2	18.5	1.6	1.7	26	0.727	180	160	1,000	500
35	6	6.95	2.5	13.6	10	1.2	20.0	1.6	1.7	27	0.524	220	190	1,130	500
50	6	8.33	2.5	14.9	10	1.2	21.0	1.6	1.8	29	0.387	265	220	1,310	500
70	12	9.73	2.5	16.3	10	1.2	22.5	1.6	1.8	30	0.268	330	270	1,550	500
95	15	11.43	2.5	18.0	10	1.2	24.5	1.6	1.9	32	0.193	400	320	1,870	500
120	18	12.95	2.5	19.6	10	1.2	26.0	1.6	1.9	34	0.153	460	365	2,150	500
150	18	14.27	2.5	20.9	16	1.2	27.0	2.0	2.0	36	0.124	530	410	2,610	500
185	30	15.98	2.5	22.6	16	1.2	29.0	2.0	2.1	38	0.0991	610	465	3,030	500
240	34	18.47	2.6	25.3	25	1.2	31.5	2.0	2.2	41	0.0754	720	540	3,780	500
300	34	20.68	2.8	27.9	25	1.2	34.0	2.0	2.3	44	0.0601	825	610	4,470	500
400	53	23.39	3.0	31.0	25	1.3	37.5	2.5	2.4	48	0.0470	960	700	5,580	300
500	53	26.67	3.2	35.2	25	1.3	41.5	2.5	2.5	53	0.0366	1,120	795	6,830	300
630	53	30.22	3.2	38.8	25	1.4	45.5	2.5	2.6	57	0.0283	1,300	905	8,390	250
800	53	34.00	3.2	42.6	25	1.5	49.5	2.5	2.8	61	0.0221	1,480	1020	10,290	200

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

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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 tape
- 7. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
- 8. Armour : Aluminium wires
- 9. Binding tape : Polyester tape
- 10. Outer 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

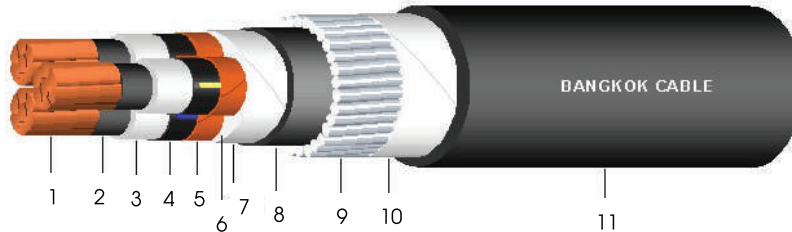
Application

For general purpose power distribution in dry or wet location.
Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Conductor 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	0.746	0.234	2.35
16	1.47	0.708	0.222	1.48
25	0.927	0.670	0.211	0.951
35	0.668	0.645	0.203	0.698
50	0.494	0.623	0.196	0.531
70	0.342	0.599	0.188	0.390
95	0.246	0.579	0.182	0.306
120	0.196	0.567	0.178	0.264
150	0.159	0.559	0.175	0.237
185	0.127	0.547	0.172	0.214
240	0.0972	0.533	0.167	0.194
300	0.0779	0.524	0.165	0.182
400	0.0616	0.517	0.162	0.174
500	0.0488	0.511	0.160	0.168
630	0.0388	0.500	0.157	0.162
800	0.0316	0.490	0.154	0.157

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

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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 tape
6. Filler : Polypropylene (Non-hygroscopic material)
7. Binding tape : Polyester tape
8. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
9. Armour : Galvanized steel wires
10. Binding tape : Polyester tape
11. Outer 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

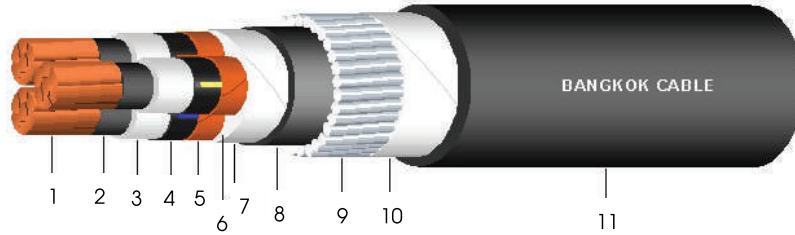
Application

For general purpose power distribution in dry or wet location.
 Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Conductor			Thickness	Diameter	Thickness	Diameter	Diameter	Thickness	Overall	DC,	Current rating		Cable	Standard
Cross-sectional area	No. of wires	Diameter	of insulation	over insulation	of inner sheath	under armour	of wire armour	of outer sheath	diameter	Conductor resistance at 20°C	in free air at 40°C ambient	direct burial in ground at 30°C	weight	length
mm ²	(Min.)	(Approx.)	mm (Nominal)	mm (Approx.)	mm (Nominal)	mm (Approx.)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	A	A	kg/km (Approx.)	m/drum
10	6	3.72	2.5	10.3	1.2	29.0	2.0	2.1	38	1.83	80	85	2,570	500
16	6	4.69	2.5	11.3	1.2	31.5	2.0	2.2	41	1.15	110	110	2,940	500
25	6	5.90	2.5	12.5	1.2	34.0	2.0	2.3	43	0.727	145	145	3,450	500
35	6	6.95	2.5	13.6	1.3	36.5	2.5	2.4	47	0.524	175	170	4,340	500
50	6	8.33	2.5	14.9	1.3	39.5	2.5	2.5	50	0.387	210	205	5,030	300
70	12	9.73	2.5	16.3	1.4	42.5	2.5	2.6	54	0.268	260	245	5,970	300
95	15	11.43	2.5	18.0	1.4	46.5	2.5	2.8	58	0.193	315	295	7,160	300
120	18	12.95	2.5	19.6	1.5	50.0	2.5	2.9	62	0.153	360	335	8,260	250
150	18	14.27	2.5	20.9	1.6	53.0	2.5	3.0	65	0.124	405	375	9,410	250
185	30	15.98	2.5	22.6	1.6	56.5	2.5	3.1	69	0.0991	465	420	10,900	200
240	34	18.47	2.6	25.3	1.7	62.5	3.15	3.3	77	0.0754	545	480	14,130	150
300	34	20.68	2.8	27.9	1.8	68.5	3.15	3.5	83	0.0601	615	535	16,730	100

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

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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 tape
6. Filler : Polypropylene (Non-hygroscopic material)
7. Binding tape : Polyester tape
8. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
9. Armour : Galvanized steel wires
10. Binding tape : Polyester tape
11. Outer 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

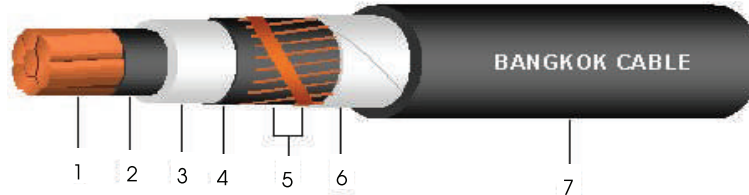
Application

For general purpose power distribution in dry or wet location.
 Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Conductor 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

6/10(12) 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 tape
7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
 Maximum circuit voltage : 12 kV
 AC test voltage : 21 kV

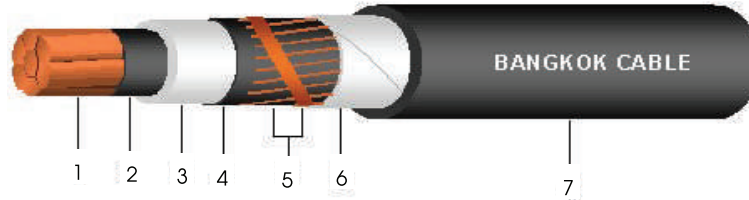
Application

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.)	Area of metallic screen mm ²	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		
16	6	4.69	3.4	13.1	10	1.5	20	1.15	3,140	135	120	540	500
25	6	5.90	3.4	14.3	10	1.6	21	0.727	2,750	180	150	660	500
35	6	6.95	3.4	15.4	10	1.6	22	0.524	2,490	215	180	770	500
50	6	8.33	3.4	16.7	10	1.7	24	0.387	2,210	260	220	930	500
70	12	9.73	3.4	18.1	10	1.7	25	0.268	1,990	320	270	1,150	500
95	15	11.43	3.4	19.8	10	1.8	27	0.193	1,770	390	320	1,440	500
120	18	12.95	3.4	21.4	10	1.8	29	0.153	1,620	450	360	1,700	500
150	18	14.27	3.4	22.7	16	1.9	30	0.124	1,500	520	410	2,050	500
185	30	15.98	3.4	24.4	16	1.9	32	0.0991	1,370	590	460	2,420	500
240	34	18.47	3.4	26.9	25	2.0	35	0.0754	1,220	705	535	3,100	500
300	34	20.68	3.4	29.1	25	2.1	37	0.0601	1,120	810	600	3,720	500
400	53	23.39	3.4	31.8	25	2.2	40	0.0470	1,010	945	690	4,560	500
500	53	26.67	3.4	35.6	25	2.3	44	0.0366	890	1,100	790	5,690	300
630	53	30.22	3.4	39.2	25	2.4	48	0.0283	800	1,280	890	7,110	300
800	53	34.00	3.4	43.0	25	2.5	52	0.0221	720	1,470	1,010	8,860	250

6/10(12) 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 tape
- 7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
- Maximum circuit voltage : 12 kV
- AC test voltage : 21 kV

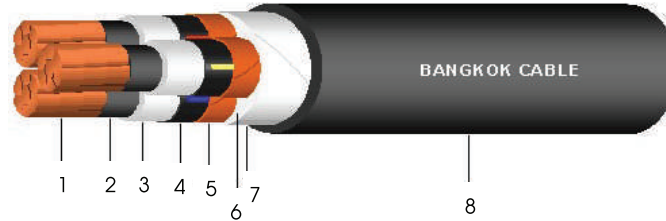
Application

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.)
16	1.47	0.664	0.208	1.48
25	0.927	0.627	0.197	0.948
35	0.668	0.604	0.190	0.695
50	0.494	0.585	0.184	0.527
70	0.342	0.562	0.177	0.385
95	0.246	0.545	0.171	0.300
120	0.196	0.535	0.168	0.258
150	0.159	0.522	0.164	0.228
185	0.127	0.512	0.161	0.205
240	0.0972	0.501	0.157	0.185
300	0.0780	0.490	0.154	0.173
400	0.0617	0.481	0.151	0.163
500	0.0490	0.474	0.149	0.157
630	0.0390	0.466	0.146	0.152
800	0.0318	0.458	0.144	0.147

6/10(12) kV CV (CE optional)*

3 CORES - 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 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 : 12 kV
 AC test voltage : 21 kV

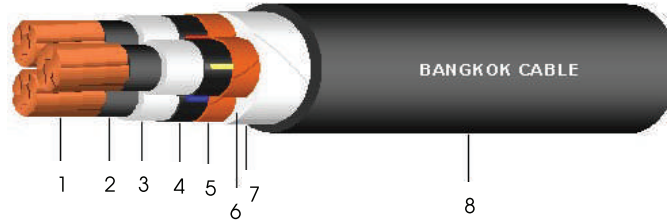
Application

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 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
16	6	4.69	3.4	13.1	2.1	37	1.15	3,140	110	110	1,570	500
25	6	5.90	3.4	14.3	2.2	40	0.727	2,750	140	145	1,970	500
35	6	6.95	3.4	15.4	2.3	43	0.524	2,490	175	175	2,380	500
50	6	8.33	3.4	16.7	2.4	46	0.387	2,210	210	205	2,890	500
70	12	9.73	3.4	18.1	2.5	49	0.268	1,990	260	250	3,640	500
95	15	11.43	3.4	19.8	2.6	53	0.193	1,770	315	300	4,590	500
120	18	12.95	3.4	21.4	2.7	56	0.153	1,620	365	340	5,480	300
150	18	14.27	3.4	22.7	2.8	59	0.124	1,500	415	385	6,440	300
185	30	15.98	3.4	24.4	2.9	63	0.0991	1,370	475	435	7,700	250
240	34	18.47	3.4	26.9	3.1	69	0.0754	1,220	570	505	9,690	200
300	34	20.68	3.4	29.1	3.3	74	0.0601	1,120	650	570	11,740	200
400	53	23.39	3.4	31.8	3.5	81	0.0470	1,010	750	655	14,530	150

6/10(12) kV CV (CE optional)*

3 CORES - 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 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 : 12 kV
- AC test voltage : 21 kV

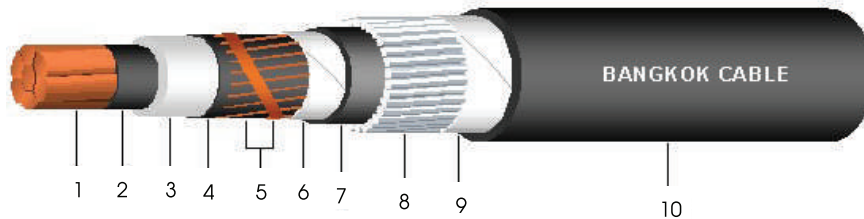
Application

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.)
16	1.47	0.420	0.132	1.47
25	0.927	0.389	0.122	0.935
35	0.668	0.370	0.116	0.678
50	0.494	0.348	0.109	0.506
70	0.342	0.332	0.104	0.358
95	0.247	0.316	0.0992	0.266
120	0.196	0.305	0.0959	0.218
150	0.159	0.297	0.0932	0.185
185	0.128	0.288	0.0903	0.157
240	0.0985	0.277	0.0870	0.131
300	0.0797	0.269	0.0845	0.116
400	0.0640	0.261	0.0820	0.104

6/10(12) kV CV-AWA (CE-AWA optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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 tape
7. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
8. Armour : Aluminium wires
9. Binding tape : Polyester tape
10. Outer sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 12 kV
AC test voltage : 21 kV

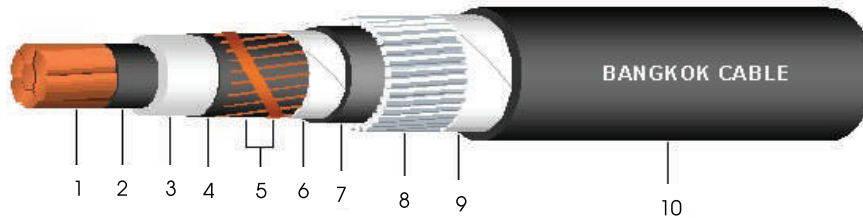
Application

For general purpose power distribution in dry or wet location.
Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Conductor			Thickness	Diameter	Area	Thickness	Diameter	Diameter	Thickness	Overall	DC.	Current rating		Cable	Standard
Cross-sectional area	No. of wires	Diameter	of insulation	over insulation	of metallic screen	of inner sheath	under armour	of wire armour	of outer sheath	diameter	Conductor resistance at 20°C	in free air at 40°C ambient	direct burial in ground at 30°C	weight	length
mm ²	(Min.)	mm (Approx.)	mm (Nominal)	mm (Approx.)	mm ²	(Nominal)	mm (Approx.)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	A	A	kg/km (Approx.)	m/drum
16	6	4.69	3.4	13.1	10	1.2	19.5	1.6	1.7	27	1.15	140	120	960	500
25	6	5.90	3.4	14.3	10	1.2	20.5	1.6	1.8	28	0.727	180	155	1,100	500
35	6	6.95	3.4	15.4	10	1.2	21.5	1.6	1.8	29	0.524	220	190	1,240	500
50	6	8.33	3.4	16.7	10	1.2	23.0	1.6	1.9	31	0.387	260	220	1,420	500
70	12	9.73	3.4	18.1	10	1.2	24.5	1.6	1.9	32	0.268	330	270	1,660	500
95	15	11.43	3.4	19.8	10	1.2	26.0	1.6	2.0	34	0.193	400	320	1,990	500
120	18	12.95	3.4	21.4	10	1.2	27.5	2.0	2.0	36	0.153	460	370	2,370	500
150	18	14.27	3.4	22.7	16	1.2	29.0	2.0	2.1	38	0.124	530	410	2,750	500
185	30	15.98	3.4	24.4	16	1.2	30.5	2.0	2.1	40	0.0991	600	460	3,160	500
240	34	18.47	3.4	26.9	25	1.2	33.0	2.0	2.2	42	0.0754	715	540	3,900	500
300	34	20.68	3.4	29.1	25	1.2	35.5	2.0	2.3	45	0.0601	820	610	4,560	500
400	53	23.39	3.4	31.8	25	1.3	38.5	2.5	2.4	49	0.0470	960	700	5,650	300
500	53	26.67	3.4	35.6	25	1.3	42.0	2.5	2.5	53	0.0366	1,120	795	6,880	300
630	53	30.22	3.4	39.2	25	1.4	46.0	2.5	2.7	57	0.0283	1,290	900	8,450	250
800	53	34.00	3.4	43.0	25	1.5	50.0	2.5	2.8	61	0.0221	1,480	1020	10,330	200

6/10(12) kV CV-AWA (CE-AWA optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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 tape
7. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
8. Armour : Aluminium wires
9. Binding tape : Polyester tape
10. Outer sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 12 kV
AC test voltage : 21 kV

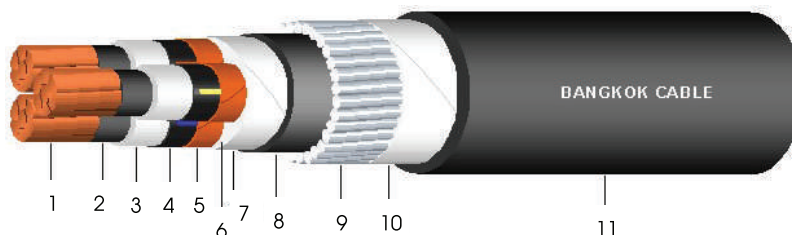
Application

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.)
16	1.47	0.724	0.227	1.48
25	0.927	0.685	0.215	0.952
35	0.668	0.659	0.207	0.700
50	0.494	0.636	0.200	0.533
70	0.342	0.612	0.192	0.392
95	0.246	0.591	0.186	0.309
120	0.196	0.578	0.182	0.267
150	0.159	0.569	0.179	0.239
185	0.127	0.557	0.175	0.216
240	0.0972	0.538	0.169	0.195
300	0.0779	0.529	0.166	0.184
400	0.0616	0.521	0.164	0.175
500	0.0488	0.511	0.160	0.168
630	0.0388	0.500	0.157	0.162
800	0.0316	0.490	0.154	0.157

6/10(12) kV CV-SWA (CE-SWA optional)*

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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 tape
6. Filler : Polypropylene (Non-hygroscopic material)
7. Binding tape : Polyester tape
8. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
9. Armour : Galvanized steel wires
10. Binding tape : Polyester tape
11. Outer sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 12 kV
AC test voltage : 21 kV

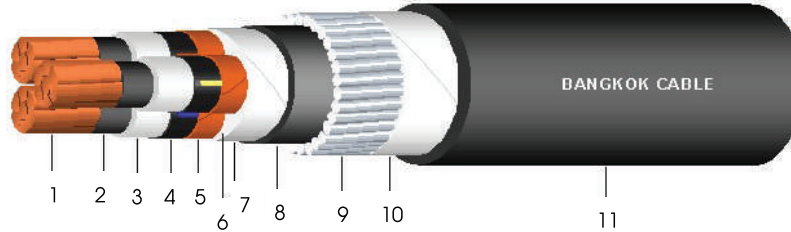
Application

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 inner sheath mm (Nominal)	Diameter under armour mm (Approx.)	Diameter of wire armour mm (Nominal)	Thickness of outer sheath mm (Nominal)	Overall diameter mm (Approx.)	DC, Conductor resistance at 20°C Ω/km (Max.)	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		
16	6	4.69	3.4	13.1	1.2	35.0	2.0	2.3	45	1.15	110	110	3,350	500
25	6	5.90	3.4	14.3	1.3	38.0	2.5	2.5	49	0.727	145	140	4,310	500
35	6	6.95	3.4	15.4	1.3	40.5	2.5	2.5	51	0.524	175	170	4,830	500
50	6	8.33	3.4	16.7	1.4	43.5	2.5	2.6	55	0.387	210	200	5,560	300
70	12	9.73	3.4	18.1	1.5	47.0	2.5	2.8	58	0.268	260	245	6,550	300
95	15	11.43	3.4	19.8	1.5	50.5	2.5	2.9	62	0.193	315	295	7,740	300
120	18	12.95	3.4	21.4	1.6	54.0	2.5	3.0	66	0.153	365	330	8,860	250
150	18	14.27	3.4	22.7	1.6	57.0	2.5	3.1	69	0.124	410	370	10,010	200
185	30	15.98	3.4	24.4	1.7	60.5	2.5	3.2	73	0.0991	465	415	11,550	200
240	34	18.47	3.4	26.9	1.8	66.5	3.15	3.5	81	0.0754	550	475	14,870	150
300	34	20.68	3.4	29.1	1.9	71.5	3.15	3.6	86	0.0601	620	530	17,300	100

6/10(12) kV CV-SWA (CE-SWA optional)*

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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 tape
6. Filler : Polypropylene (Non-hygroscopic material)
7. Binding tape : Polyester tape
8. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
9. Armour : Galvanized steel wires
10. Binding tape : Polyester tape
11. Outer sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
 Maximum circuit voltage : 12 kV
 AC test voltage : 21 kV

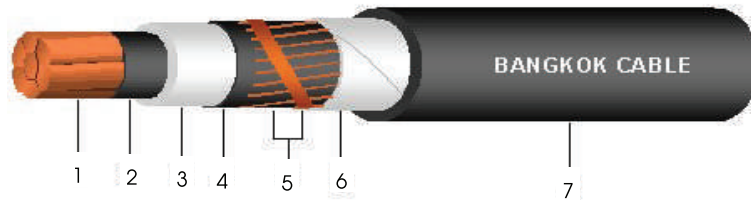
Application

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.)
16	1.47	0.420	0.132	1.47
25	0.927	0.389	0.122	0.935
35	0.668	0.370	0.116	0.678
50	0.494	0.348	0.109	0.506
70	0.342	0.332	0.104	0.358
95	0.247	0.316	0.0992	0.266
120	0.196	0.305	0.0959	0.218
150	0.159	0.297	0.0932	0.185
185	0.128	0.288	0.0903	0.157
240	0.0985	0.277	0.0870	0.131
300	0.0797	0.269	0.0845	0.116

8.7/15(17.5) 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 tape
7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
 Maximum circuit voltage : 17.5 kV
 AC test voltage : 30.5 kV

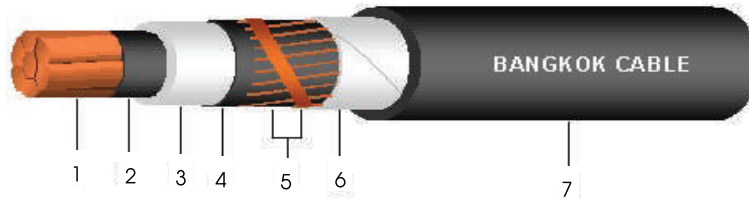
Application

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.)	Area of metallic screen mm ²	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		
25	6	5.90	4.5	16.5	10	1.7	24	0.727	3,350	180	150	750	500
35	6	6.95	4.5	17.6	10	1.7	25	0.524	3,050	215	180	860	500
50	6	8.33	4.5	18.9	10	1.7	26	0.387	2,730	260	220	1,010	500
70	12	9.73	4.5	20.3	10	1.8	28	0.268	2,470	320	270	1,250	500
95	15	11.43	4.5	22.0	10	1.8	30	0.193	2,210	390	320	1,530	500
120	18	12.95	4.5	23.6	10	1.9	31	0.153	2,020	450	360	1,810	500
150	18	14.27	4.5	24.9	16	1.9	33	0.124	1,890	515	410	2,150	500
185	30	15.98	4.5	26.6	16	2.0	35	0.0991	1,730	590	460	2,550	500
240	34	18.47	4.5	29.1	25	2.1	37	0.0754	1,550	700	530	3,240	500
300	34	20.68	4.5	31.3	25	2.2	40	0.0601	1,420	810	600	3,870	500
400	53	23.39	4.5	34.0	25	2.3	43	0.0470	1,290	940	690	4,720	500
500	53	26.67	4.5	37.8	25	2.4	47	0.0366	1,130	1,090	785	5,860	300
630	53	30.22	4.5	41.4	25	2.5	50	0.0283	1,020	1,270	890	7,300	300
800	53	34.00	4.5	45.2	25	2.6	54	0.0221	930	1,460	1,005	9,060	250

8.7/15(17.5) 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 tape
7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 17.5 kV
AC test voltage : 30.5 kV

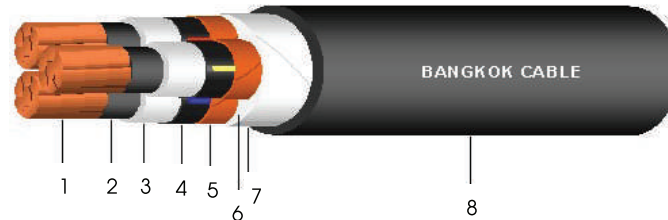
Application

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.)
25	0.927	0.654	0.205	0.950
35	0.668	0.629	0.198	0.697
50	0.494	0.601	0.189	0.529
70	0.342	0.585	0.184	0.388
95	0.246	0.566	0.178	0.304
120	0.196	0.548	0.172	0.261
150	0.159	0.541	0.170	0.233
185	0.127	0.530	0.167	0.210
240	0.0972	0.512	0.161	0.188
300	0.0780	0.505	0.159	0.177
400	0.0617	0.495	0.156	0.167
500	0.0489	0.487	0.153	0.161
630	0.0390	0.474	0.149	0.154
800	0.0317	0.466	0.146	0.150

8.7/15(17.5) kV CV (CE optional)*

3 CORES - 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 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 : 17.5 kV
AC test voltage : 30.5 kV

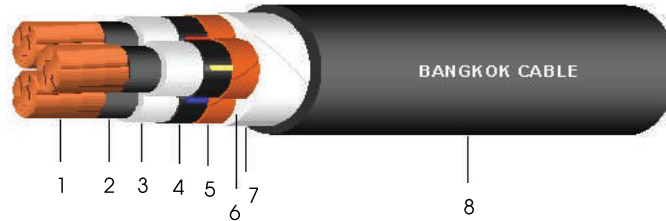
Application

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		
25	6	5.90	4.5	16.5	2.4	45	0.727	3,350	145	145	2,320	500
35	6	6.95	4.5	17.6	2.5	48	0.524	3,050	175	175	2,740	500
50	6	8.33	4.5	18.9	2.6	51	0.387	2,730	210	205	3,280	500
70	12	9.73	4.5	20.3	2.7	54	0.268	2,470	265	250	4,050	500
95	15	11.43	4.5	22.0	2.8	58	0.193	2,210	320	300	5,030	300
120	18	12.95	4.5	23.6	2.9	62	0.153	2,020	370	340	5,950	300
150	18	14.27	4.5	24.9	3.0	65	0.124	1,890	420	385	6,920	300
185	30	15.98	4.5	26.6	3.1	69	0.0991	1,730	480	435	8,220	250
240	34	18.47	4.5	29.1	3.3	74	0.0754	1,550	570	505	10,250	200
300	34	20.68	4.5	31.3	3.4	79	0.0601	1,420	655	570	12,300	150
400	53	23.39	4.5	34.0	3.7	86	0.0470	1,290	755	650	15,180	150

8.7/15(17.5) kV CV (CE optional)*

3 CORES - 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 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 : 17.5 kV
 AC test voltage : 30.5 kV

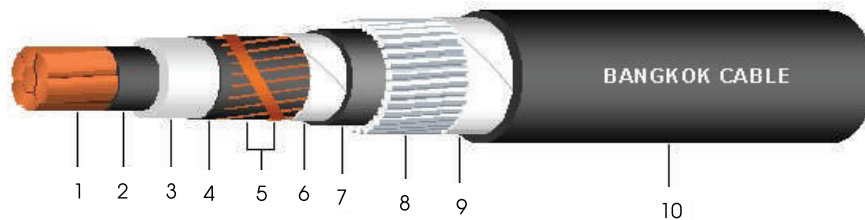
Application

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.)
25	0.927	0.415	0.130	0.936
35	0.668	0.394	0.124	0.680
50	0.494	0.371	0.116	0.507
70	0.342	0.353	0.111	0.360
95	0.247	0.335	0.105	0.268
120	0.196	0.323	0.102	0.221
150	0.159	0.314	0.0986	0.187
185	0.128	0.304	0.0954	0.160
240	0.0983	0.292	0.0916	0.134
300	0.0795	0.283	0.0888	0.119
400	0.0637	0.274	0.0860	0.107

8.7/15(17.5) kV CV-AWA (CE-AWA optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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 : Polyeste tape
7. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
8. Armour : Aluminium wires
9. Binding tape : Polyeste tape
10. Outer sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
 Maximum circuit voltage : 17.5 kV
 AC test voltage : 30.5 kV

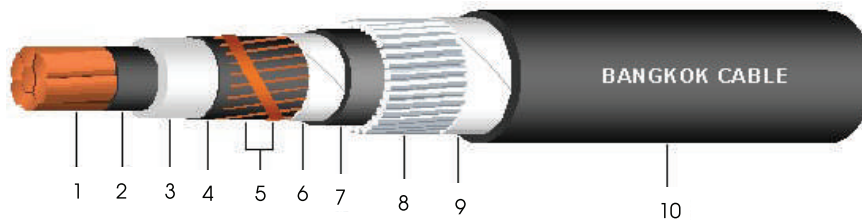
Application

For general purpose power distribution in dry or wet location.
 Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Conductor			Thickness	Diameter	Area	Thickness	Diameter	Diameter	Thickness	Overall	DC,	Current rating		Cable	Standard
Cross-sectional area	No. of wires	Diameter	of insulation	over insulation	of metallic screen	of inner sheath	under armour	of wire armour	of outer sheath	diameter	Conductor resistance at 20°C	in free air at 40°C ambient	direct burial in ground at 30°C	weight	length
mm ²	(Min.)	mm (Approx.)	mm (Nominal)	mm (Approx.)	mm ²	mm (Nominal)	mm (Approx.)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	A	A	kg/km (Approx.)	m/drum
25	6	5.90	4.5	16.5	10	1.2	22.5	1.6	1.9	31	0.727	180	155	1,230	500
35	6	6.95	4.5	17.6	10	1.2	24.0	1.6	1.9	32	0.524	220	185	1,370	500
50	6	8.33	4.5	18.9	10	1.2	25.0	1.6	1.9	33	0.387	260	220	1,550	500
70	12	9.73	4.5	20.3	10	1.2	26.5	1.6	2.0	35	0.268	330	270	1,810	500
95	15	11.43	4.5	22.0	10	1.2	28.5	2.0	2.1	37	0.193	400	320	2,230	500
120	18	12.95	4.5	23.6	10	1.2	30.0	2.0	2.1	39	0.153	460	365	2,530	500
150	18	14.27	4.5	24.9	16	1.2	31.0	2.0	2.2	40	0.124	520	410	2,920	500
185	30	15.98	4.5	26.6	16	1.2	33.0	2.0	2.2	42	0.0991	600	460	3,330	500
240	34	18.47	4.5	29.1	25	1.2	35.5	2.0	2.3	45	0.0754	710	540	4,080	500
300	34	20.68	4.5	31.3	25	1.3	37.5	2.5	2.4	48	0.0601	820	610	4,930	300
400	53	23.39	4.5	34.0	25	1.3	40.5	2.5	2.5	51	0.0470	950	695	5,860	300
500	53	26.67	4.5	37.8	25	1.4	44.5	2.5	2.6	56	0.0366	1,105	790	7,140	300
630	53	30.22	4.5	41.4	25	1.4	48.0	2.5	2.7	59	0.0283	1,280	900	8,670	250
800	53	34.00	4.5	45.2	25	1.5	52.0	2.5	2.9	64	0.0221	1,470	1020	10,600	200

8.7/15(17.5) kV CV-AWA (CE-AWA optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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 : Polyeste tape
7. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
8. Armour : Aluminium wires
9. Binding tape : Polyeste tape
10. Outer sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
 Maximum circuit voltage : 17.5 kV
 AC test voltage : 30.5 kV

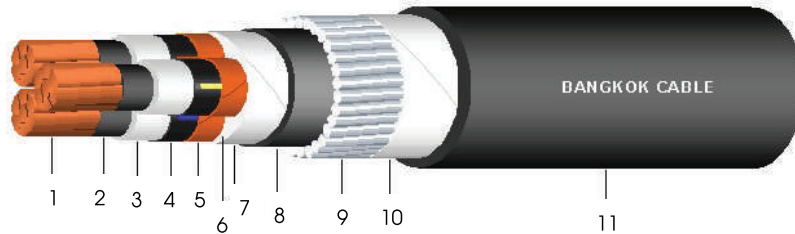
Application

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.)
25	0.927	0.705	0.222	0.953
35	0.668	0.679	0.213	0.701
50	0.494	0.649	0.204	0.534
70	0.342	0.629	0.198	0.395
95	0.246	0.608	0.191	0.312
120	0.196	0.594	0.187	0.270
150	0.159	0.580	0.182	0.242
185	0.127	0.567	0.178	0.219
240	0.0971	0.552	0.173	0.199
300	0.0779	0.542	0.170	0.187
400	0.0616	0.529	0.166	0.177
500	0.0488	0.522	0.164	0.171
630	0.0388	0.507	0.159	0.164
800	0.0315	0.500	0.157	0.160

8.7/15(17.5) kV CV-SWA (CE-SWA optional)*

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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 tape
6. Filler : Polypropylene (Non-hygroscopic material)
7. Binding tape : Polyester tape
8. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
9. Armour : Galvanized steel wires
10. Binding tape : Polyester tape
11. Outer sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
 Maximum circuit voltage : 17.5 kV
 AC test voltage : 30.5 kV

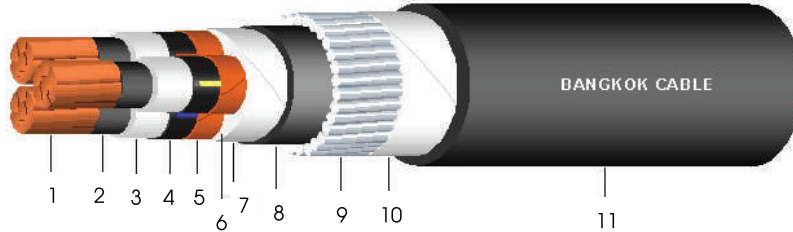
Application

For general purpose power distribution in dry or wet location.
 Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Conductor			Thickness	Diameter	Thickness	Diameter	Diameter	Thickness	Overall	DC,	Current rating		Cable	Standard
Cross-sectional area	No. of wires	Diameter	of insulation	over insulation	of inner sheath	under armour	of wire armour	of outer sheath	diameter	Conductor resistance at 20°C	in free air at 40°C ambient	direct burial in ground at 30°C	weight	length
mm ²	(Min.)	mm (Approx.)	mm (Nominal)	mm (Approx.)	mm (Nominal)	mm (Approx.)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	A	A	kg/km (Approx.)	m/drum
25	6	5.90	4.5	16.5	1.4	43.0	2.5	2.6	54	0.727	145	140	4,980	300
35	6	6.95	4.5	17.6	1.4	45.5	2.5	2.7	57	0.524	175	170	5,550	300
50	6	8.33	4.5	18.9	1.5	48.5	2.5	2.8	60	0.387	210	200	6,300	300
70	12	9.73	4.5	20.3	1.5	51.5	2.5	2.9	63	0.268	265	245	7,230	300
95	15	11.43	4.5	22.0	1.6	55.5	2.5	3.1	68	0.193	320	295	8,510	250
120	18	12.95	4.5	23.6	1.7	59.0	2.5	3.2	71	0.153	365	330	9,690	200
150	18	14.27	4.5	24.9	1.7	62.0	3.15	3.3	76	0.124	415	370	11,660	200
185	30	15.98	4.5	26.6	1.8	65.5	3.15	3.5	80	0.0991	470	415	13,320	150
240	34	18.47	4.5	29.1	1.9	71.5	3.15	3.6	86	0.0754	550	475	15,800	150
300	34	20.68	4.5	31.3	2.0	76.5	3.15	3.8	91	0.0601	620	530	18,320	100

8.7/15(17.5) kV CV-SWA (CE-SWA optional)*

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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 tape
6. Filler : Polypropylene (Non-hygroscopic material)
7. Binding tape : Polyester tape
8. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
9. Armour : Galvanized steel wires
10. Binding tape : Polyester tape
11. Outer sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
 Maximum circuit voltage : 17.5 kV
 AC test voltage : 30.5 kV

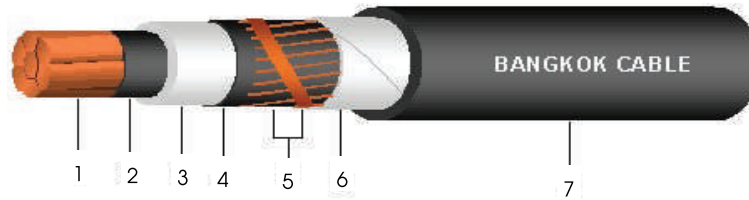
Application

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.)
25	0.927	0.415	0.130	0.936
35	0.668	0.394	0.124	0.680
50	0.494	0.371	0.116	0.507
70	0.342	0.353	0.111	0.360
95	0.247	0.335	0.105	0.268
120	0.196	0.323	0.102	0.221
150	0.159	0.314	0.0986	0.187
185	0.128	0.304	0.0954	0.160
240	0.0983	0.292	0.0916	0.134
300	0.0795	0.283	0.0888	0.119

12/20(24) 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 tape
7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 24 kV
AC test voltage : 42 kV

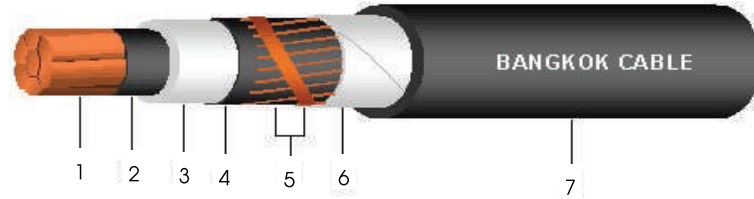
Application

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.)	Area of metallic screen mm ²	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		
35	6	6.95	5.5	19.6	10	1.8	27	0.524	3,500	215	180	950	500
50	6	8.33	5.5	20.9	10	1.8	28	0.387	3,140	260	220	1,110	500
70	12	9.73	5.5	22.3	10	1.9	30	0.268	2,850	320	265	1,350	500
95	15	11.43	5.5	24.0	10	1.9	32	0.193	2,570	390	320	1,640	500
120	18	12.95	5.5	25.6	10	2.0	34	0.153	2,360	450	360	1,920	500
150	18	14.27	5.5	26.9	16	2.0	35	0.124	2,210	510	405	2,270	500
185	30	15.98	5.5	28.6	16	2.1	37	0.0991	2,030	590	460	2,670	500
240	34	18.47	5.5	31.1	25	2.2	40	0.0754	1,830	700	530	3,370	500
300	34	20.68	5.5	33.3	25	2.2	42	0.0601	1,680	800	600	3,990	500
400	53	23.39	5.5	36.0	25	2.3	45	0.0470	1,520	935	690	4,850	500
500	53	26.67	5.5	39.8	25	2.4	49	0.0366	1,350	1,090	785	6,000	300
630	53	30.22	5.5	43.4	25	2.5	52	0.0283	1,220	1,270	890	7,450	300
800	53	34.00	5.5	47.2	25	2.7	57	0.0221	1,110	1,450	1,005	9,250	250

12/20(24) 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 tape
7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 24 kV
AC test voltage : 42 kV

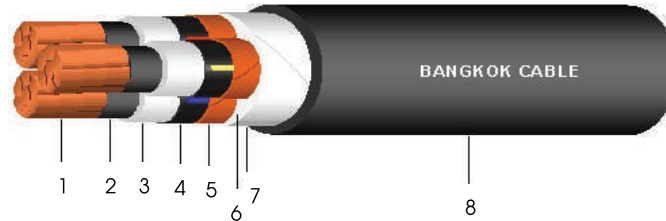
Application

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.)
35	0.668	0.645	0.203	0.698
50	0.494	0.616	0.194	0.530
70	0.342	0.599	0.188	0.390
95	0.246	0.579	0.182	0.306
120	0.196	0.567	0.178	0.264
150	0.159	0.553	0.174	0.235
185	0.127	0.541	0.170	0.212
240	0.0972	0.528	0.166	0.192
300	0.0780	0.515	0.162	0.180
400	0.0616	0.504	0.158	0.170
500	0.0489	0.495	0.156	0.163
630	0.0389	0.482	0.151	0.156
800	0.0317	0.477	0.150	0.153

12/20(24) kV CV (CE optional)*

3 CORES - 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 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 : 24 kV
AC test voltage : 42 kV

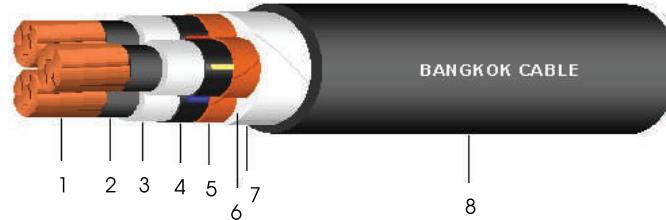
Application

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 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
35	6	6.95	5.5	19.6	2.6	52	0.524	3,500	180	175	3,080	500
50	6	8.33	5.5	20.9	2.7	55	0.387	3,140	215	205	3,640	500
70	12	9.73	5.5	22.3	2.8	59	0.268	2,850	265	250	4,430	500
95	15	11.43	5.5	24.0	2.9	63	0.193	2,570	325	300	5,440	300
120	18	12.95	5.5	25.6	3.0	66	0.153	2,360	370	340	6,370	300
150	18	14.27	5.5	26.9	3.1	69	0.124	2,210	420	385	7,370	300
185	30	15.98	5.5	28.6	3.3	73	0.0991	2,030	485	435	8,720	250
240	34	18.47	5.5	31.1	3.4	79	0.0754	1,830	575	505	10,750	200
300	34	20.68	5.5	33.3	3.6	84	0.0601	1,680	660	570	12,880	150
400	53	23.39	5.5	36.0	3.8	90	0.0470	1,520	760	645	15,760	150

12/20(24) kV CV (CE optional)*

3 CORES - 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 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 : 24 kV
AC test voltage : 42 kV

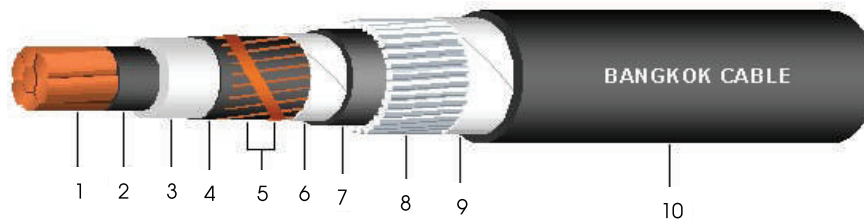
Application

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.)
35	0.668	0.414	0.130	0.681
50	0.494	0.389	0.122	0.509
70	0.342	0.370	0.116	0.361
95	0.247	0.351	0.110	0.270
120	0.196	0.339	0.106	0.223
150	0.159	0.328	0.103	0.190
185	0.128	0.317	0.100	0.162
240	0.0982	0.304	0.0955	0.137
300	0.0793	0.294	0.0925	0.122
400	0.0634	0.285	0.0894	0.110

12/20(24) kV CV-AWA (CE-AWA optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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 tape
7. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
8. Armour : Aluminium wires
9. Binding tape : Polyester tape
10. Outer sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 24 kV
AC test voltage : 42 kV

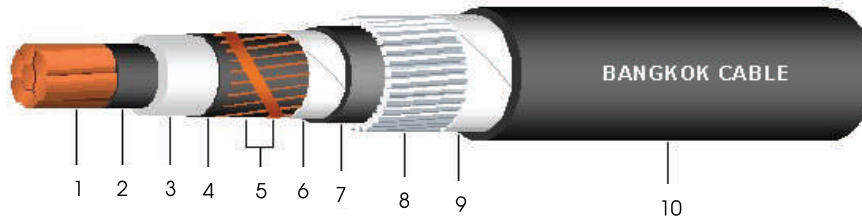
Application

For general purpose power distribution in dry or wet location.
Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Conductor			Thickness	Diameter	Area	Thickness	Diameter	Diameter	Thickness	Overall	DC,	Current rating		Cable	Standard
Cross-sectional area	No. of wires	Diameter	of insulation	over insulation	of metallic screen	of inner sheath	under armour	of wire armour	of outer sheath	diameter	Conductor resistance at 20°C	in free air at 40°C ambient	direct burial in ground at 30°C	weight	length
mm ²	(Min.)	(Approx.)	mm	mm	mm ²	(Nominal)	(Approx.)	mm	mm	mm	Ω /km	A	A	kg/km	m/drum
35	6	6.95	5.5	19.6	10	1.2	26.0	1.6	2.0	34	0.524	220	180	1,500	500
50	6	8.33	5.5	20.9	10	1.2	27.0	2.0	2.0	36	0.387	260	220	1,770	500
70	12	9.73	5.5	22.3	10	1.2	28.5	2.0	2.1	38	0.268	330	270	2,050	500
95	15	11.43	5.5	24.0	10	1.2	30.5	2.0	2.1	39	0.193	400	320	2,370	500
120	18	12.95	5.5	25.6	10	1.2	32.0	2.0	2.2	41	0.153	460	360	2,700	500
150	18	14.27	5.5	26.9	16	1.2	33.0	2.0	2.2	42	0.124	520	410	3,070	500
185	30	15.98	5.5	28.6	16	1.2	35.0	2.0	2.3	44	0.0991	600	460	3,500	500
240	34	18.47	5.5	31.1	25	1.3	37.5	2.5	2.4	48	0.0754	710	540	4,440	500
300	34	20.68	5.5	33.3	25	1.3	39.5	2.5	2.5	51	0.0601	810	610	5,140	300
400	53	23.39	5.5	36.0	25	1.4	42.5	2.5	2.6	54	0.0470	940	690	6,100	300
500	53	26.67	5.5	39.8	25	1.4	46.5	2.5	2.7	58	0.0366	1,100	790	7,360	300
630	53	30.22	5.5	43.4	25	1.5	50.5	2.5	2.8	62	0.0283	1,270	900	8,940	250
800	53	34.00	5.5	47.2	25	1.5	54.0	2.5	2.9	66	0.0221	1,460	1015	10,820	200

12/20(24) kV CV-AWA (CE-AWA optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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 tape
7. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
8. Armour : Aluminium wires
9. Binding tape : Polyester tape
10. Outer sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 24 kV
AC test voltage : 42 kV

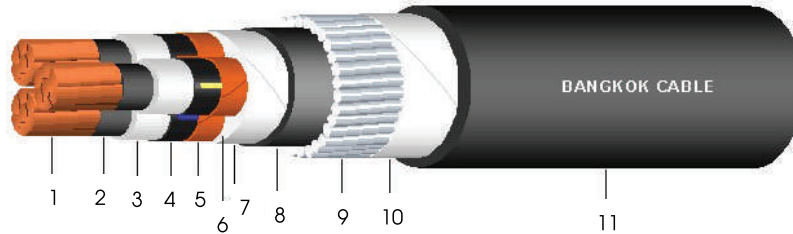
Application

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.)
35	0.668	0.691	0.217	0.703
50	0.494	0.666	0.209	0.536
70	0.342	0.646	0.203	0.398
95	0.246	0.619	0.194	0.314
120	0.196	0.604	0.190	0.272
150	0.159	0.589	0.185	0.244
185	0.127	0.576	0.181	0.221
240	0.0971	0.564	0.177	0.202
300	0.0779	0.554	0.174	0.191
400	0.0615	0.541	0.170	0.181
500	0.0487	0.529	0.166	0.173
630	0.0387	0.517	0.162	0.167
800	0.0315	0.506	0.159	0.162

12/20(24) kV CV-SWA (CE-SWA optional)*

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



Construction

- Conductor : Circular compact stranded annealed copper
- Conductor screen : Semi-conductive cross-linked polyethylene compound
- Insulation : Cross-linked polyethylene (XLPE) compound
- Insulation screen : Semi-conductive cross-linked polyethylene compound
- Metallic screen : Copper tape
- Filler : Polypropylene (Non-hygroscopic material)
- Binding tape : Polyester tape
- Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
- Armour : Galvanized steel wires
- Binding tape : Polyester tape
- Outer sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 24 kV
AC test voltage : 42 kV

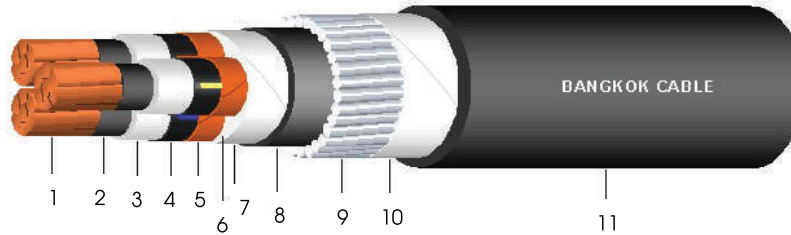
Application

For general purpose power distribution in dry or wet location.
Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Conductor			Thickness	Diameter	Thickness	Diameter	Diameter	Thickness	Overall	DC,	Current rating		Cable	Standard
Cross-sectional area	No. of wires	Diameter	of insulation	over insulation	of inner sheath	under armour	of wire armour	of outer sheath	diameter	Conductor resistance at 20°C	in free air at 40°C ambient	direct burial in ground at 30°C	weight	length
mm ²	(Min.)	(Approx.)	mm	mm	mm	mm	mm	mm	mm	Ω/km	A	A	kg/km	m/drum
35	6	6.95	5.5	19.6	1.5	50.0	2.5	2.9	62	0.524	180	170	6,190	300
50	6	8.33	5.5	20.9	1.6	53.0	2.5	3.0	65	0.387	215	200	6,970	300
70	12	9.73	5.5	22.3	1.6	56.0	2.5	3.1	68	0.268	265	245	7,960	300
95	15	11.43	5.5	24.0	1.7	60.0	2.5	3.2	72	0.193	320	295	9,230	250
120	18	12.95	5.5	25.6	1.8	63.5	3.15	3.4	78	0.153	365	330	11,320	200
150	18	14.27	5.5	26.9	1.8	66.5	3.15	3.5	81	0.124	410	370	12,550	150
185	30	15.98	5.5	28.6	1.9	70.0	3.15	3.6	85	0.0991	465	415	14,200	150
240	34	18.47	5.5	31.1	2.0	76.0	3.15	3.8	91	0.0754	545	475	16,710	100
300	34	20.68	5.5	33.3	2.1	81.0	3.15	3.9	96	0.0601	615	530	19,220	100

12/20(24) kV CV-SWA (CE-SWA optional)*

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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 tape
6. Filler : Polypropylene (Non-hygroscopic material)
7. Binding tape : Polyester tape
8. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
9. Armour : Galvanized steel wires
10. Binding tape : Polyester tape
11. Outer sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 24 kV
AC test voltage : 42 kV

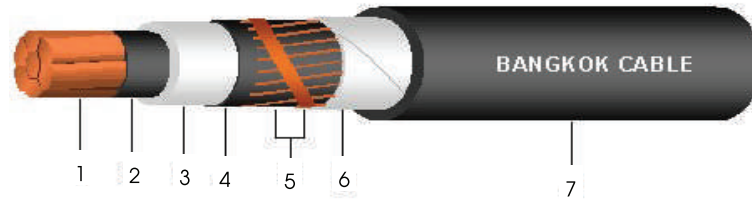
Application

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.)
35	0.668	0.414	0.130	0.681
50	0.494	0.389	0.122	0.509
70	0.342	0.370	0.116	0.361
95	0.247	0.351	0.110	0.270
120	0.196	0.339	0.106	0.223
150	0.159	0.328	0.103	0.190
185	0.128	0.317	0.100	0.162
240	0.0982	0.304	0.0955	0.137
300	0.0793	0.294	0.0925	0.122

18/30(36) 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 tape
7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 36 kV
AC test voltage : 63 kV

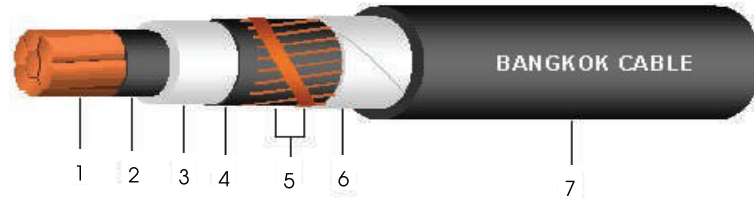
Application

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.)	Area of metallic screen mm ²	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		
50	6	8.33	8.0	25.9	10	2.0	34	0.387	4,030	260	220	1,370	500
70	12	9.73	8.0	27.3	10	2.0	35	0.268	3,690	320	260	1,610	500
95	15	11.43	8.0	29.0	10	2.1	37	0.193	3,350	390	320	1,930	500
120	18	12.95	8.0	30.6	10	2.1	39	0.153	3,100	450	360	2,210	500
150	18	14.27	8.0	31.9	16	2.2	40	0.124	2,910	510	400	2,590	500
185	30	15.98	8.0	33.6	16	2.2	42	0.0991	2,700	580	460	2,990	500
240	34	18.47	8.0	36.1	25	2.3	45	0.0754	2,440	690	530	3,710	500
300	34	20.68	8.0	38.3	25	2.4	47	0.0601	2,250	790	600	4,370	500
400	53	23.39	8.0	41.0	25	2.5	50	0.0470	2,060	920	690	5,260	300
500	53	26.67	8.0	44.8	25	2.6	54	0.0366	1,840	1,070	780	6,440	300
630	53	30.22	8.0	48.4	25	2.7	58	0.0283	1,670	1,250	890	7,930	300
800	53	34.00	8.0	52.2	25	2.8	62	0.0221	1,520	1,430	1,000	9,730	250

18/30(36) 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 tape
7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
 Maximum circuit voltage : 36 kV
 AC test voltage : 63 kV

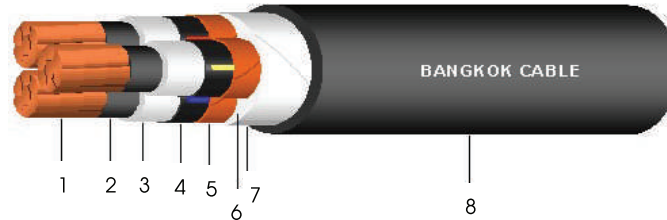
Application

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.)
50	0.494	0.655	0.206	0.535
70	0.342	0.629	0.198	0.395
95	0.246	0.608	0.191	0.312
120	0.196	0.594	0.187	0.270
150	0.159	0.580	0.182	0.242
185	0.127	0.567	0.178	0.219
240	0.0971	0.552	0.173	0.199
300	0.0779	0.538	0.169	0.186
400	0.0616	0.525	0.165	0.176
500	0.0488	0.515	0.162	0.169
630	0.0388	0.504	0.158	0.163
800	0.0315	0.494	0.155	0.158

18/30(36) kV CV (CE optional)*

3 CORES - 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 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 : 36 kV
AC test voltage : 63 kV

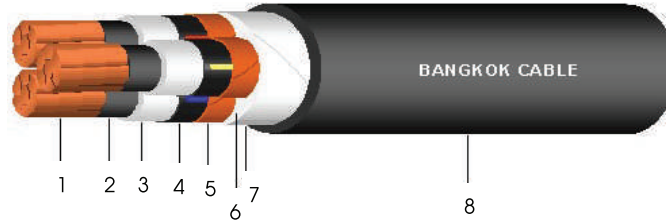
Application

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		
50	6	8.33	8.0	25.9	3.1	67	0.387	4,030	220	205	4,720	300
70	12	9.73	8.0	27.3	3.2	70	0.268	3,690	270	250	5,560	300
95	15	11.43	8.0	29.0	3.3	74	0.193	3,350	330	300	6,630	300
120	18	12.95	8.0	30.6	3.4	78	0.153	3,100	380	340	7,630	300
150	18	14.27	8.0	31.9	3.5	81	0.124	2,910	430	380	8,670	250
185	30	15.98	8.0	33.6	3.6	85	0.0991	2,700	490	435	10,050	200
240	34	18.47	8.0	36.1	3.8	91	0.0754	2,440	580	505	12,220	150
300	34	20.68	8.0	38.3	4.0	96	0.0601	2,250	660	570	14,430	150
400	53	23.39	8.0	41.0	4.2	102	0.0470	2,060	765	650	17,410	100

18/30(36) kV CV (CE optional)*

3 CORES - 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 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 : 36 kV
AC test voltage : 63 kV

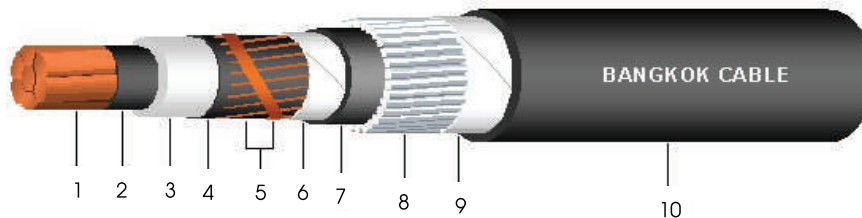
Application

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.)
50	0.494	0.429	0.135	0.512
70	0.342	0.408	0.128	0.365
95	0.247	0.387	0.122	0.275
120	0.196	0.372	0.117	0.228
150	0.159	0.360	0.113	0.195
185	0.128	0.348	0.109	0.168
240	0.0979	0.332	0.104	0.143
300	0.0789	0.321	0.101	0.128
400	0.0629	0.309	0.0972	0.116

18/30(36) kV CV-AWA (CE-AWA optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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 tape
7. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
8. Armour : Aluminium wires
9. Binding tape : Polyester tape
10. Outer sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 36 kV
AC test voltage : 63 kV

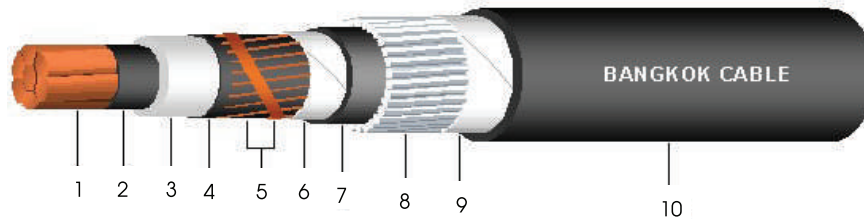
Application

For general purpose power distribution in dry or wet location.
Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Conductor			Thickness	Diameter	Area	Thickness	Diameter	Diameter	Thickness	Overall	DC.	Current rating		Cable	Standard
Cross-sectional area	No. of wires	Diameter	of insulation	over insulation	of metallic screen	of inner sheath	under armour	of wire armour	of outer sheath	diameter	Conductor resistance at 20°C	in free air at 40°C ambient	direct burial in ground at 30°C	weight	length
mm ²	(Min.)	(Approx.)	mm	mm	mm ²	(Nominal)	(Approx.)	mm	mm	mm	Ω/km	A	A	kg/km	m/drum
50	6	8.33	8.0	25.9	10	1.2	32.0	2.0	2.2	41	0.387	260	220	2,150	500
70	12	9.73	8.0	27.3	10	1.2	33.5	2.0	2.3	43	0.268	320	270	2,440	500
95	15	11.43	8.0	29.0	10	1.2	35.5	2.0	2.3	45	0.193	390	320	2,780	500
120	18	12.95	8.0	30.6	10	1.3	37.0	2.5	2.4	48	0.153	450	360	3,280	500
150	18	14.27	8.0	31.9	16	1.3	38.5	2.5	2.5	49	0.124	515	410	3,700	500
185	30	15.98	8.0	33.6	16	1.3	40.0	2.5	2.5	51	0.0991	590	460	4,140	500
240	34	18.47	8.0	36.1	25	1.4	43.0	2.5	2.6	54	0.0754	700	535	4,950	300
300	34	20.68	8.0	38.3	25	1.4	45.0	2.5	2.7	56	0.0601	800	605	5,680	300
400	53	23.39	8.0	41.0	25	1.5	48.0	2.5	2.8	59	0.0470	930	690	6,680	300
500	53	26.67	8.0	44.8	25	1.5	51.5	2.5	2.9	64	0.0366	1,080	790	7,980	250
630	53	30.22	8.0	48.4	25	1.6	55.5	2.5	3.0	68	0.0283	1,250	900	9,590	250
800	53	34.00	8.0	52.2	25	1.6	59.5	2.5	3.1	72	0.0221	1,430	1010	11,500	200

18/30(36) kV CV-AWA (CE-AWA optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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 tape
7. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
8. Armour : Aluminium wires
9. Binding tape : Polyester tape
10. Outer sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 36 kV
AC test voltage : 63 kV

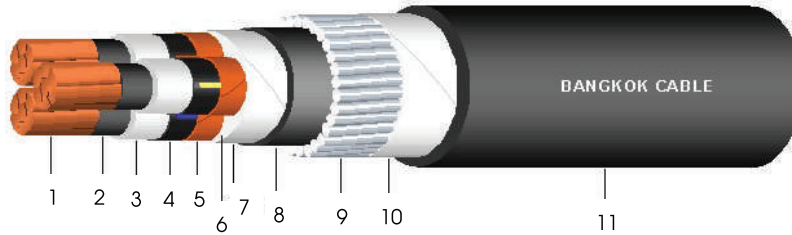
Application

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.)
50	0.494	0.692	0.217	0.539
70	0.342	0.671	0.211	0.402
95	0.246	0.648	0.203	0.320
120	0.196	0.635	0.200	0.279
150	0.159	0.620	0.195	0.251
185	0.127	0.606	0.190	0.229
240	0.0971	0.588	0.185	0.209
300	0.0778	0.573	0.180	0.196
400	0.0615	0.559	0.175	0.186
500	0.0487	0.549	0.172	0.179
630	0.0386	0.536	0.168	0.173
800	0.0314	0.524	0.164	0.167

18/30(36) kV CV-SWA (CE-SWA optional)*

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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 tape
6. Filler : Polypropylene (Non-hygroscopic material)
7. Binding tape : Polyester tape
8. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
9. Armour : Galvanized steel wires
10. Binding tape : Polyester tape
11. Outer sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
 Maximum circuit voltage : 36 kV
 AC test voltage : 63 kV

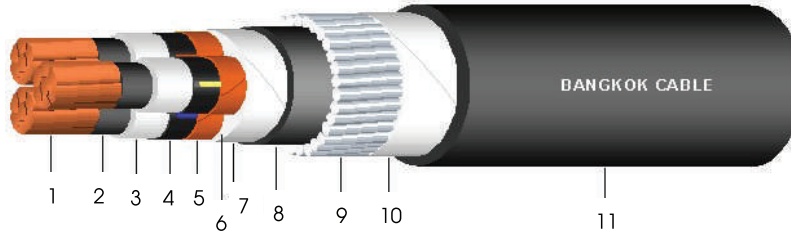
Application

For general purpose power distribution in dry or wet location.
 Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Conductor			Thickness	Diameter	Thickness	Diameter	Diameter	Thickness	Overall	DC,	Current rating		Cable	Standard
Cross-sectional area	No. of wires	Diameter	of insulation	over insulation	of inner sheath	under armour	of wire armour	of outer sheath	diameter	Conductor resistance at 20°C	in free air at 40°C ambient	direct burial in ground at 30°C	weight	length
mm ²	(Min.)	mm (Approx.)	mm (Nominal)	mm (Approx.)	mm (Nominal)	mm (Approx.)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	A	A	kg/km (Approx.)	m/drum
50	6	8.33	8.0	25.9	1.8	64.5	3.15	3.4	78	0.387	215	200	9,710	200
70	12	9.73	8.0	27.3	1.9	67.5	3.15	3.5	82	0.268	265	245	10,820	200
95	15	11.43	8.0	29.0	1.9	71.0	3.15	3.7	86	0.193	320	290	12,230	150
120	18	12.95	8.0	30.6	2.0	74.5	3.15	3.8	90	0.153	365	330	13,500	150
150	18	14.27	8.0	31.9	2.0	77.5	3.15	3.9	93	0.124	415	370	14,780	150
185	30	15.98	8.0	33.6	2.1	81.5	3.15	4.0	97	0.0991	470	415	16,510	100
240	34	18.47	8.0	36.1	2.2	87.0	3.15	4.2	103	0.0754	545	475	19,120	100

18/30(36) kV CV-SWA (CE-SWA optional)*

3 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



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 tape
6. Filler : Polypropylene (Non-hygroscopic material)
7. Binding tape : Polyester tape
8. Inner sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*
9. Armour : Galvanized steel wires
10. Binding tape : Polyester tape
11. Outer sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

IEC 60502-2

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 36 kV
AC test voltage : 63 kV

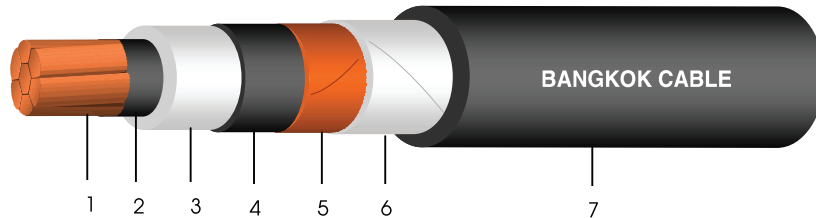
Application

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.)
50	0.494	0.429	0.135	0.512
70	0.342	0.408	0.128	0.365
95	0.247	0.387	0.122	0.275
120	0.196	0.372	0.117	0.228
150	0.159	0.360	0.113	0.195
185	0.128	0.348	0.109	0.168
240	0.0979	0.332	0.104	0.143

15 kV CV (CE optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE (100% INSULATION LEVELS)



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 tape (or copper wires)
6. Binding tape : Polyester tape
7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

ICEA S-93-639

Classification

Maximum conductor temperature	: 90°C
Maximum circuit voltage	: 15 kV
AC test voltage	: 35 kV
	: 44 kV (for size over 500 mm ²)

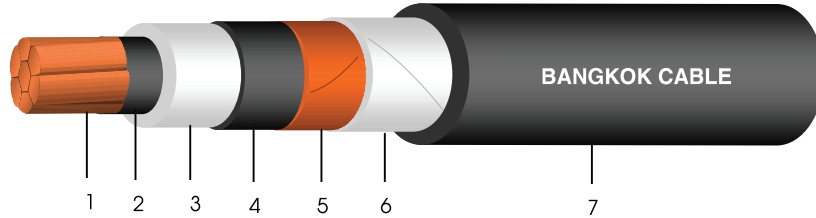
Application

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 (Min.)	Overall diameter mm (Approx.)	DC. Conductor resistance at 20°C Ω/km (Max.)	Insulation resistance at 15.6°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		
25	6	5.90	4.45	16.3	1.78	23	0.727	2,209	170	150	690	500
35	6	6.95	4.45	17.4	1.78	24	0.524	2,009	210	180	820	500
50	6	8.33	4.45	18.7	1.78	26	0.387	1,797	250	220	970	500
70	12	9.73	4.45	20.1	1.78	27	0.268	1,624	320	260	1,200	500
95	15	11.43	4.45	21.8	1.78	29	0.193	1,455	390	320	1,490	500
120	18	12.95	4.45	23.4	1.78	30	0.153	1,332	450	360	1,760	500
150	18	14.27	4.45	24.7	1.78	32	0.124	1,242	510	400	2,050	500
185	30	15.98	4.45	26.4	1.78	34	0.0991	1,141	580	460	2,430	500
240	34	18.47	4.45	28.9	1.78	36	0.0754	1,021	690	530	3,030	500
300	34	20.68	4.45	31.1	1.78	38	0.0601	934	800	600	3,650	500
400	53	23.39	4.45	33.8	1.78	41	0.0470	846	930	685	4,490	500
500	53	26.67	4.45	37.6	1.78	45	0.0366	746	1,080	780	5,620	300
630	53	30.22	5.59	43.6	2.54	53	0.0283	673	1,250	890	7,420	300
800	53	34.00	5.59	47.3	2.54	57	0.0221	609	1,430	1,000	9,190	250

15 kV CV (CE optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE (100% INSULATION LEVELS)



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 tape (or copper wires)
6. Binding tape : Polyester tape
7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

ICEA S-93-639

Classification

Maximum conductor temperature	: 90°C
Maximum circuit voltage	: 15 kV
AC test voltage	: 35 kV
	: 44 kV (for size over 500 mm ²)

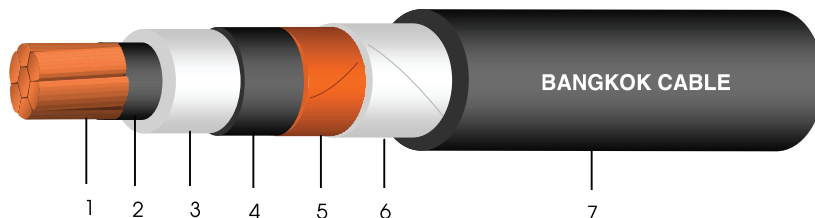
Application

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.)
25	0.927	0.646	0.203	0.949
35	0.668	0.621	0.195	0.696
50	0.494	0.601	0.189	0.529
70	0.342	0.578	0.181	0.387
95	0.246	0.560	0.176	0.303
120	0.196	0.541	0.170	0.259
150	0.159	0.535	0.168	0.231
185	0.127	0.524	0.165	0.208
240	0.0972	0.507	0.159	0.187
300	0.0780	0.495	0.156	0.174
400	0.0617	0.486	0.153	0.165
500	0.0490	0.478	0.150	0.158
630	0.0389	0.486	0.153	0.158
800	0.0317	0.477	0.150	0.153

15 kV CV (CE optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE (133% INSULATION LEVELS)



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 tape (or copper wires)
6. Binding tape : Polyester tape
7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

ICEA S-93-639

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 15 kV
AC test voltage : 44 kV

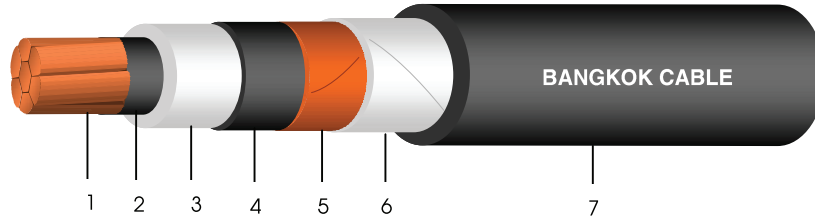
Application

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 (Min.)	Overall diameter mm (Approx.)	DC. Conductor resistance at 20°C Ω/km (Max.)	Insulation resistance at 15.6°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		
25	6	5.90	5.59	18.7	1.78	26	0.727	2,568	170	150	790	500
35	6	6.95	5.59	19.7	1.78	27	0.524	2,347	210	180	910	500
50	6	8.33	5.59	21.1	1.78	28	0.387	2,111	255	220	1,070	500
70	12	9.73	5.59	22.5	1.78	30	0.268	1,918	320	260	1,310	500
95	15	11.43	5.59	24.2	1.78	31	0.193	1,728	390	320	1,600	500
120	18	12.95	5.59	25.7	1.78	33	0.153	1,588	450	360	1,880	500
150	18	14.27	5.59	27.1	1.78	34	0.124	1,484	510	400	2,170	500
185	30	15.98	5.59	28.8	1.78	36	0.0991	1,368	580	460	2,560	500
240	34	18.47	5.59	31.3	1.78	39	0.0754	1,230	690	530	3,170	500
300	34	20.68	5.59	33.5	1.78	41	0.0601	1,128	800	600	3,800	500
400	53	23.39	5.59	36.2	1.78	44	0.0470	1,025	920	680	4,650	500
500	53	26.67	5.59	40.0	2.54	49	0.0366	908	1,070	780	5,970	300
630	53	30.22	5.59	43.6	2.54	53	0.0283	821	1,250	890	7,420	300
800	53	34.00	5.59	47.3	2.54	57	0.0221	745	1,430	1,000	9,190	250

15 kV CV (CE optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE (133% INSULATION LEVELS)



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 tape (or copper wires)
6. Binding tape : Polyester tape
7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

ICEA S-93-639

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 15 kV
AC test voltage : 44 kV

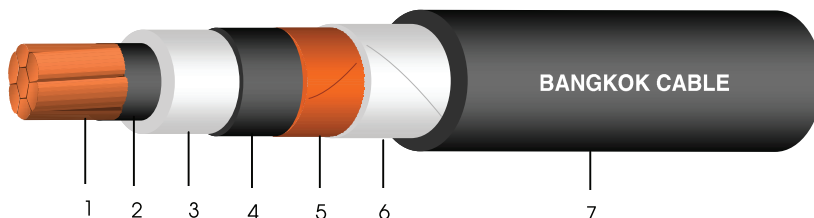
Application

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.)
25	0.927	0.670	0.211	0.951
35	0.668	0.645	0.203	0.698
50	0.494	0.616	0.194	0.530
70	0.342	0.599	0.188	0.390
95	0.246	0.573	0.180	0.305
120	0.196	0.561	0.176	0.263
150	0.159	0.547	0.172	0.234
185	0.127	0.536	0.168	0.211
240	0.0972	0.523	0.164	0.191
300	0.0780	0.510	0.160	0.178
400	0.0617	0.500	0.157	0.169
500	0.0489	0.495	0.156	0.163
630	0.0389	0.486	0.153	0.158
800	0.0317	0.477	0.150	0.153

25 kV CV (CE optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE (100% INSULATION LEVELS)



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 tape (or copper wires)
6. Binding tape : Polyester tape
7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

ICEA S-93-639

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 25 kV
AC test voltage : 52 kV

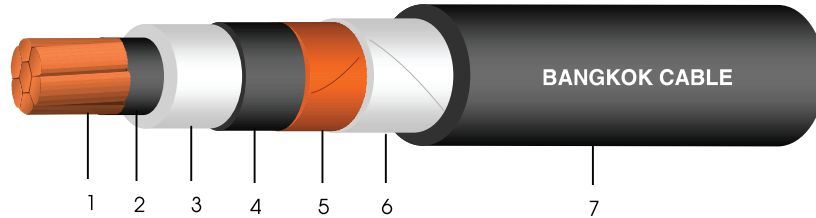
Application

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 (Min.)	Overall diameter mm (Approx.)	DC, Conductor resistance at 20°C Ω /km (Max.)	Insulation resistance at 15.6°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		
35	6	6.95	6.6	21.8	1.78	29	0.524	2,614	210	180	1,010	500
50	6	8.33	6.6	23.2	1.78	30	0.387	2,362	255	220	1,170	500
70	12	9.73	6.6	24.6	1.78	32	0.268	2,154	320	260	1,410	500
95	15	11.43	6.6	26.3	1.78	33	0.193	1,948	390	315	1,710	500
120	18	12.95	6.6	27.8	1.78	35	0.153	1,795	450	360	1,990	500
150	18	14.27	6.6	29.2	1.78	36	0.124	1,682	510	400	2,290	500
185	30	15.98	6.6	30.9	1.78	38	0.0991	1,555	580	455	2,690	500
240	34	18.47	6.6	33.4	1.78	41	0.0754	1,402	690	530	3,300	500
300	34	20.68	6.6	35.6	1.78	43	0.0601	1,289	790	600	3,930	500
400	53	23.39	6.6	38.3	2.54	47	0.0470	1,174	920	680	4,970	500
500	53	26.67	6.6	42.1	2.54	51	0.0366	1,043	1,070	780	6,130	300
630	53	30.22	6.6	45.7	2.54	55	0.0283	946	1,240	890	7,600	300
800	53	34.00	6.6	49.4	2.54	59	0.0221	860	1,430	1,000	9,380	250

25 kV CV (CE optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE (100% INSULATION LEVELS)



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 tape (or copper wires)
6. Binding tape : Polyester tape
7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

ICEA S-93-639

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 25 kV
AC test voltage : 52 kV

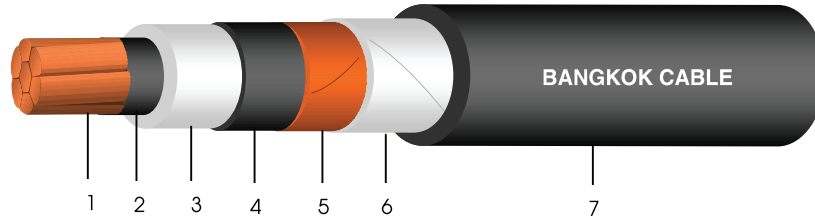
Application

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.)
35	0.668	0.659	0.207	0.700
50	0.494	0.630	0.198	0.532
70	0.342	0.612	0.192	0.392
95	0.246	0.586	0.184	0.308
120	0.196	0.572	0.180	0.266
150	0.159	0.559	0.175	0.237
185	0.127	0.547	0.172	0.214
240	0.0972	0.533	0.167	0.194
300	0.0780	0.520	0.163	0.181
400	0.0616	0.513	0.161	0.173
500	0.0488	0.503	0.158	0.165
630	0.0388	0.493	0.155	0.160
800	0.0316	0.484	0.152	0.155

25 kV CV (CE optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE (133% INSULATION LEVELS)



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 tape (or copper wires)
6. Binding tape : Polyester tape
7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

ICEA S-93-639

Classification

- Maximum conductor temperature : 90°C
 Maximum circuit voltage : 25 kV
 AC test voltage : 64 kV

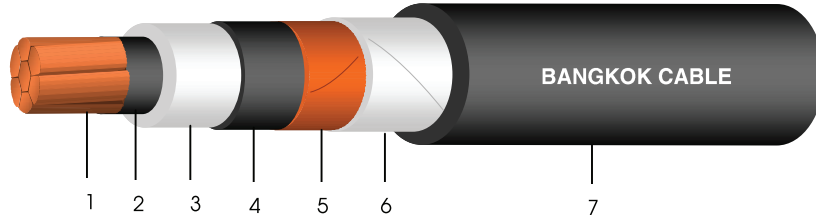
Application

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 15.6°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 (Min.)	mm (Approx.)	Ω /km (Max.)	MΩ.km (Min.)	A	A	kg/km (Approx.)	m/drum
35	6	6.95	8.13	25.0	1.78	32	0.524	2,974	210	180	1,170	500
50	6	8.33	8.13	26.4	1.78	34	0.387	2,702	255	215	1,340	500
70	12	9.73	8.13	27.8	1.78	35	0.268	2,475	320	260	1,580	500
95	15	11.43	8.13	29.5	1.78	37	0.193	2,250	385	315	1,890	500
120	18	12.95	8.13	31.0	1.78	38	0.153	2,081	445	360	2,180	500
150	18	14.27	8.13	32.3	1.78	40	0.124	1,956	505	400	2,480	500
185	30	15.98	8.13	34.0	1.78	41	0.0991	1,814	580	455	2,890	500
240	34	18.47	8.13	36.5	1.78	44	0.0754	1,643	680	530	3,510	500
300	34	20.68	8.13	38.7	2.54	48	0.0601	1,516	780	600	4,330	500
400	53	23.39	8.13	41.5	2.54	51	0.0470	1,386	910	680	5,210	500
500	53	26.67	8.13	45.3	2.54	55	0.0366	1,236	1,060	780	6,400	300
630	53	30.22	8.13	48.8	2.54	58	0.0283	1,124	1,230	890	7,880	300
800	53	34.00	8.13	52.6	2.54	62	0.0221	1,025	1,415	1,000	9,680	250

25 kV CV (CE optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE (133% INSULATION LEVELS)



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 tape (or copper wires)
6. Binding tape : Polyester tape
7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

ICEA S-93-639

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 25 kV
AC test voltage : 64 kV

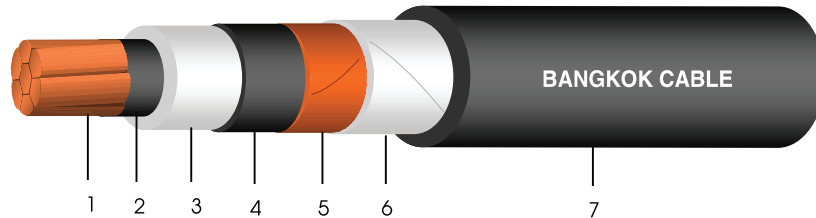
Application

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.)
35	0.668	0.679	0.213	0.701
50	0.494	0.655	0.206	0.535
70	0.342	0.629	0.198	0.395
95	0.246	0.608	0.191	0.312
120	0.196	0.589	0.185	0.269
150	0.159	0.580	0.182	0.242
185	0.127	0.562	0.177	0.218
240	0.0972	0.547	0.172	0.197
300	0.0779	0.542	0.170	0.187
400	0.0616	0.529	0.166	0.177
500	0.0488	0.518	0.163	0.170
630	0.0388	0.504	0.158	0.163
800	0.0315	0.494	0.155	0.158

35 kV CV (CE optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE (100% INSULATION LEVELS)



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 tape (or copper wires)
6. Binding tape : Polyester tape
7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

ICEA S-93-639

Classification

- Maximum conductor temperature : 90°C
 Maximum circuit voltage : 35 kV
 AC test voltage : 69 kV

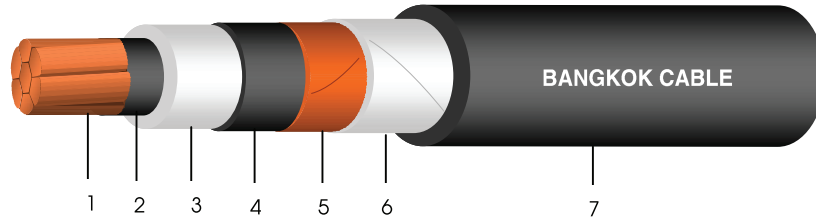
Application

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 (Min.)	Overall diameter mm (Approx.)	DC. Conductor resistance at 20°C Ω/km (Max.)	Insulation resistance at 15.6°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		
50	6	8.33	8.76	27.7	1.78	35	0.387	2,830	255	215	1,410	500
70	12	9.73	8.76	29.1	1.78	36	0.268	2,597	320	260	1,650	500
95	15	11.43	8.76	30.8	1.78	38	0.193	2,364	385	315	1,970	500
120	18	12.95	8.76	32.3	1.78	40	0.153	2,191	440	360	2,260	500
150	18	14.27	8.76	33.6	1.78	41	0.124	2,061	500	400	2,560	500
185	30	15.98	8.76	35.4	1.78	43	0.0991	1,914	580	455	2,970	500
240	34	18.47	8.76	37.8	1.78	45	0.0754	1,736	680	530	3,600	500
300	34	20.68	8.76	40.1	2.54	49	0.0601	1,604	780	600	4,430	500
400	53	23.39	8.76	42.8	2.54	52	0.0470	1,468	910	680	5,320	300
500	53	26.67	8.76	46.6	2.54	56	0.0366	1,311	1,060	780	6,510	300
630	53	30.22	8.76	50.2	2.54	60	0.0283	1,194	1,230	890	7,990	300
800	53	34.00	8.76	53.9	2.54	64	0.0221	1,090	1,410	1,000	9,800	200

35 kV CV (CE optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE (100% INSULATION LEVELS)



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 tape (or copper wires)
6. Binding tape : Polyester tape
7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

ICEA S-93-639

Classification

- Maximum conductor temperature : 90°C
 Maximum circuit voltage : 35 kV
 AC test voltage : 69 kV

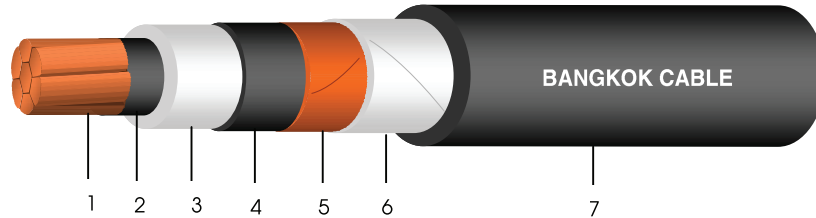
Application

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.)
50	0.494	0.661	0.208	0.535
70	0.342	0.635	0.200	0.396
95	0.246	0.614	0.193	0.313
120	0.196	0.599	0.188	0.271
150	0.159	0.585	0.184	0.243
185	0.127	0.571	0.180	0.220
240	0.0971	0.552	0.173	0.199
300	0.0779	0.546	0.172	0.188
400	0.0616	0.533	0.168	0.178
500	0.0488	0.522	0.164	0.171
630	0.0387	0.511	0.160	0.165
800	0.0315	0.500	0.157	0.160

35 kV CV (CE optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE (133% INSULATION LEVELS)



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 tape (or copper wires)
6. Binding tape : Polyester tape
7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

ICEA S-93-639

Classification

- Maximum conductor temperature : 90°C
 Maximum circuit voltage : 35 kV
 AC test voltage : 84 kV

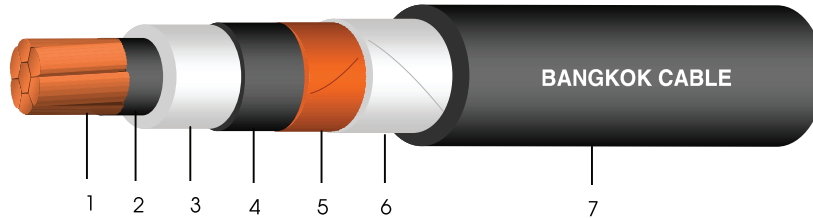
Application

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 (Min.)	Overall diameter mm (Approx.)	DC. Conductor resistance at 20°C Ω/km (Max.)	Insulation resistance at 15.6 °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		
50	6	8.33	10.67	31.7	1.78	39	0.387	3,184	255	215	1,640	500
70	12	9.73	10.67	33.1	1.78	40	0.268	2,935	315	260	1,890	500
95	15	11.43	10.67	34.8	1.78	42	0.193	2,685	380	310	2,220	500
120	18	12.95	10.67	36.3	1.78	44	0.153	2,497	440	360	2,510	500
150	18	14.27	10.67	37.6	2.54	47	0.124	2,356	500	400	3,000	500
185	30	15.98	10.67	39.3	2.54	49	0.0991	2,196	570	450	3,420	500
240	34	18.47	10.67	41.8	2.54	51	0.0754	2,000	680	530	4,080	500
300	34	20.68	10.67	44.0	2.54	53	0.0601	1,854	780	600	4,740	500
400	53	23.39	10.67	46.7	2.54	56	0.0470	1,703	900	680	5,650	300
500	53	26.67	10.67	50.6	2.54	60	0.0366	1,528	1,050	780	6,860	300
630	53	30.22	10.67	54.1	2.54	64	0.0283	1,395	1,220	890	8,370	300
800	53	34.00	10.67	57.9	2.54	68	0.0221	1,278	1,400	1,000	10,200	200

35 kV CV (CE optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE (133% INSULATION LEVELS)



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 tape (or copper wires)
6. Binding tape : Polyester tape
7. Sheath : Black Polyvinyl chloride (PVC), (Optional : PE)*

Reference Standard

ICEA S-93-639

Classification

- Maximum conductor temperature : 90°C
 Maximum circuit voltage : 35 kV
 AC test voltage : 84 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.)
50	0.494	0.682	0.214	0.538
70	0.342	0.656	0.206	0.399
95	0.246	0.634	0.199	0.317
120	0.196	0.618	0.194	0.276
150	0.159	0.612	0.192	0.249
185	0.127	0.598	0.188	0.227
240	0.0971	0.577	0.181	0.206
300	0.0779	0.562	0.176	0.193
400	0.0615	0.548	0.172	0.183
500	0.0487	0.536	0.168	0.175
630	0.0387	0.524	0.164	0.169
800	0.0314	0.512	0.161	0.164