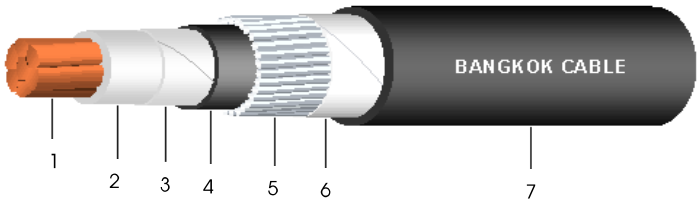
1.8/3(3.6) kV CV-AWA (CE-AWA optional)*

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 or Spunbond 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 of insulation	Diameter over insulation	Thickness of inner sheath	Diameter under armour	Diameter of wire armour	Thickness of outer sheath	Overall diameter	DC. Conductor 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 (Approx.)	mm (Approx.)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	A	A	kg/km (Approx.)	m/drum
10	6	3.72	2.0	8.3	1.0	11.0	0.8	1.4	17	1.83	82	92	360	500
16	6	4.69	2.0	9.2	1.0	12.0	1.25	1.5	19	1.15	105	120	490	500
25	6	5.90	2.0	10.5	1.0	13.5	1.25	1.5	20	0.727	140	150	610	500
35	6	6.95	2.0	11.5	1.0	14.5	1.25	1.5	21	0.524	175	180	730	500
50	6	8.33	2.0	12.9	1.0	15.5	1.25	1.6	23	0.387	210	215	890	500
70	12	9.73	2.0	14.3	1.0	17.0	1.6	1.7	25	0.268	265	265	1,180	500
95	15	11.43	2.0	16.0	1.0	19.0	1.6	1.7	27	0.193	325	315	1,470	500
120	18	12.95	2.0	17.5	1.0	20.5	1.6	1.8	29	0.153	380	360	1,760	500
150	18	14.27	2.0	18.8	1.0	21.5	1.6	1.8	30	0.124	430	405	2,050	500
185	30	15.98	2.0	20.5	1.0	23.5	1.6	1.9	32	0.0991	495	460	2,460	500
240	34	18.47	2.0	23.0	1.0	26.0	1.6	1.9	35	0.0754	585	530	3,060	500
300	34	20.68	2.0	25.2	1.1	28.5	2.0	2.0	38	0.0601	675	600	3,810	500
400	53	23.39	2.0	27.9	1.1	31.0	2.0	2.1	41	0.0470	770	685	4,690	500
500	53	26.67	2.2	31.7	1.2	35.0	2.0	2.3	46	0.0366	880	780	5,900	300
630	53	30.22	2.4	35.7	1.3	39.0	2.5	2.4	51	0.0283	985	880	7,600	300
800	53	34.00	2.6	39.9	1.3	43.5	2.5	2.6	56	0.0221	1,085	980	9,480	250