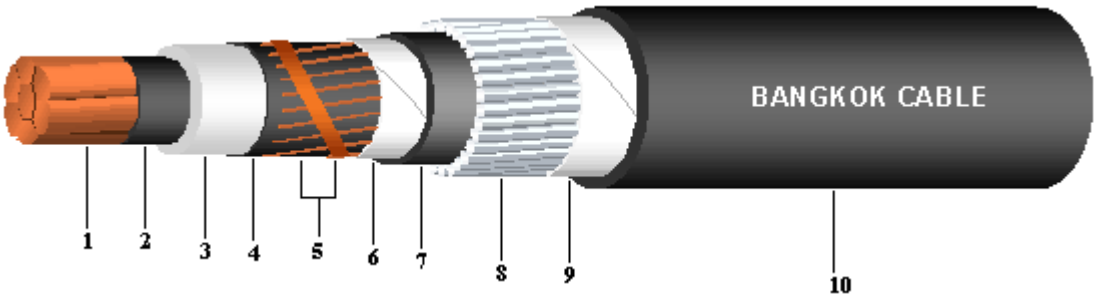
6/10(12) kV CV-AWA (CE Optional)*

IEC 60502-2 (1 CORE)



Construction :

1. Conductor : Compact round stranded annealed copper wires
2. Conductor screen : Semi-conductive Cross-linked polyethylene (XLPE) compound
3. Insulation : Cross-linked polyethylene (XLPE)
4. Insulation screen : Semi-conductive Cross-linked polyethylene (XLPE) compound
5. Metallic screen : Copper wires and copper contact tape
6. Binding tape : Polyester / Spunbond tape
7. Inner sheath : Polyvinyl chloride (PVC), (Optional : PE)*
8. Armour : Hard-drawn aluminium wires
9. Binding tape : Polyester / Spunbond tape
10. Outer sheath : Polyvinyl chloride (PVC), (Optional : PE)*

Application :

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

Conductor			Insulation thickness nominal	Diameter over insulation (Approx.)	Inner Sheath thickness nominal	Hard Drawn aluminium wire diameter	Diameter over armour (Approx.)	Outer Sheath thickness nominal	Overall diameter (Approx.)	Maximum DC. Conductor resistance at 20°C	Current rating in air	Cable weight (Approx.)	Standard length
Size	Number of wires (Min.)	Diameter (Approx.)											
mm^2		mm	mm	mm.	mm	mm	mm.	mm	mm	ohm/km	A	kg/km	m
16	6	4.69	3.4	12.9	1.2	1.60	22.5	1.7	28	1.15	130	945	500
25	6	5.90	3.4	14.1	1.2	1.60	24.0	1.8	29	0.727	170	1100	500
35	6	6.95	3.4	15.2	1.2	1.60	25.0	1.8	31	0.524	205	1235	500
50	6	8.33	3.4	16.6	1.2	1.60	26.5	1.9	32	0.387	250	1425	500
70	12	9.73	3.4	18.0	1.2	1.60	27.5	1.9	34	0.268	310	1665	500
95	15	11.43	3.4	19.7	1.2	1.60	29.5	2.0	36	0.193	375	2005	500
120	18	12.95	3.4	21.2	1.2	2.00	31.5	2.0	38	0.153	435	2385	500
150	18	14.27	3.4	22.5	1.2	2.00	33.0	2.1	40	0.124	495	2770	500
185	30	15.98	3.4	24.2	1.2	2.00	34.5	2.1	41	0.0991	565	3195	500
240	34	18.47	3.4	27.3	1.2	2.00	38.5	2.2	45	0.0754	670	4015	500
300	34	20.68	3.4	29.5	1.2	2.00	40.5	2.3	48	0.0601	770	4710	500
400	53	23.39	3.4	32.3	1.3	2.50	44.5	2.4	52	0.0470	890	5825	300
500	53	26.67	3.4	35.5	1.3	2.50	48.0	2.6	56	0.0366	1030	7170	300
630	53	30.22	3.4	39.1	1.4	2.50	51.5	2.7	60	0.0283	1190	8785	250
800	53	34.00	3.4	42.9	1.5	2.50	55.5	2.8	65	0.0221	1350	10735	200