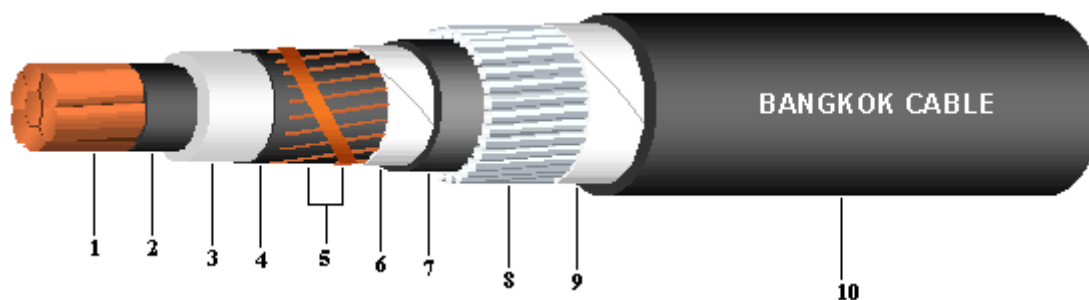


# 18/30(36) kV CV-AWA (CE Optional)\*

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.

Size	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
	Number of wires (Min.)	Diameter (Approx.)											
mm <sup>2</sup>		mm	mm	mm.	mm	mm	mm.	mm	mm	ohm/km	A	kg/km	m
50	6	8.33	8.0	26.1	1.2	2.00	36.5	2.2	44	0.387	245	2170	500
70	12	9.73	8.0	27.5	1.2	2.00	38.0	2.3	45	0.268	305	2460	500
95	15	11.43	8.0	29.2	1.2	2.00	40.0	2.3	47	0.193	370	2800	500
120	18	12.95	8.0	30.7	1.3	2.50	42.5	2.4	50	0.153	430	3315	500
150	18	14.27	8.0	32.1	1.3	2.50	44.0	2.5	52	0.124	485	3735	500
185	30	15.98	8.0	33.8	1.3	2.50	45.5	2.5	53	0.0991	555	4190	500
240	34	18.47	8.0	36.9	1.4	2.50	49.5	2.6	58	0.0754	655	5120	300
300	34	20.68	8.0	39.1	1.4	2.50	51.5	2.7	60	0.0601	750	5865	300
400	53	23.39	8.0	41.8	1.5	2.50	54.5	2.8	63	0.0470	870	6900	300
500	53	26.67	8.0	45.1	1.5	2.50	58.0	2.9	67	0.0366	1005	8285	250
630	53	30.22	8.0	48.7	1.6	2.50	61.5	3.0	71	0.0283	1155	9965	250
800	53	34.00	8.0	52.4	1.7	2.50	65.5	3.1	75	0.0221	1310	11990	200