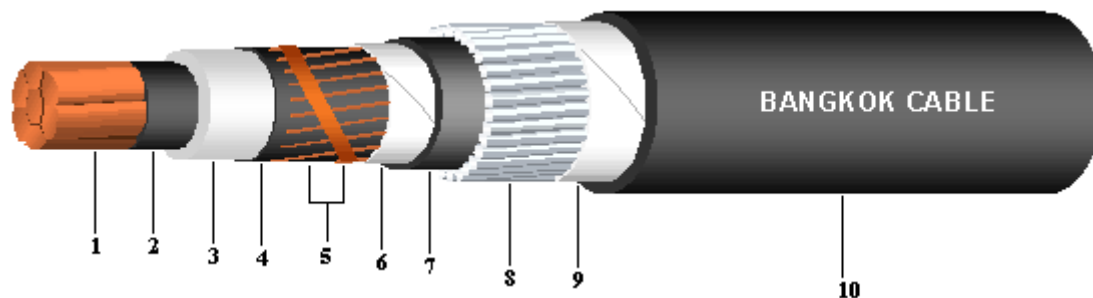


# 12/20(24) kV CV-AWA (CE Optional)\*

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 mm <sup>2</sup>	Conductor		Insulation thickness nominal mm	Diameter over insulation (Approx.) mm.	Inner Sheath thickness nominal mm	Hard Drawn aluminium wire diameter mm	Diameter over armour (Approx.) mm.	Outer Sheath thickness nominal mm	Overall diameter approx mm	Maximum DC. Conductor resistance at 20° C ohm/km	Current rating in air A	Cable weight (Approx.) kg/km	Standard length m
	Number of wires (Min.)	Diameter (Approx.) mm											
35	6	6.95	5.5	19.5	1.2	1.60	29.5	2.0	35	0.524	205	1500	500
50	6	8.33	5.5	20.9	1.2	2.00	31.5	2.0	38	0.387	250	1770	500
70	12	9.73	5.5	22.3	1.2	2.00	33.0	2.1	39	0.268	310	2055	500
95	15	11.43	5.5	24.0	1.2	2.00	34.5	2.1	41	0.193	375	2385	500
120	18	12.95	5.5	25.5	1.2	2.00	36.0	2.2	43	0.153	430	2720	500
150	18	14.27	5.5	26.9	1.2	2.00	37.5	2.2	44	0.124	490	3095	500
185	30	15.98	5.5	28.6	1.2	2.00	39.0	2.3	46	0.0991	560	3545	500
240	34	18.47	5.5	31.7	1.3	2.50	44.0	2.4	51	0.0754	665	4570	500
300	34	20.68	5.5	33.9	1.3	2.50	46.0	2.5	54	0.0601	760	5295	300
400	53	23.39	5.5	36.6	1.4	2.50	49.0	2.6	57	0.0470	880	6300	300
500	53	26.67	5.5	39.9	1.4	2.50	52.5	2.7	61	0.0366	1020	7650	300
630	53	30.22	5.5	43.5	1.5	2.50	56.5	2.8	65	0.0283	1170	9290	250
800	53	34.00	5.5	47.2	1.6	2.50	60.5	3.0	70	0.0221	1330	11310	200