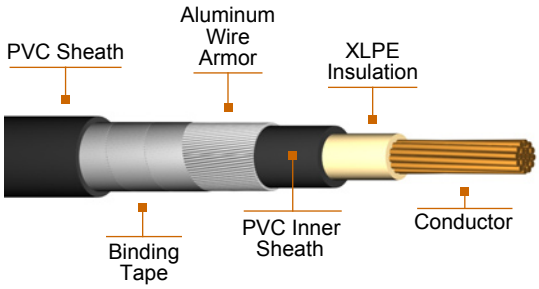
CV-AWA

0.6/1 kV XLPE Insulated and Double Sheathed Power Cable
with Aluminum Wire Armor (Single Conductor)



Detail Description or Construction

Conductor
Solid or stranded copper
Insulation
Cross-linked polyethylene
Inner Sheath
Polyvinyl chloride (Black)
Armor
Aluminum wire
Core-covering
Binding tape
Outer Sheath
Polyvinyl chloride (Black)

Application

For use in ducts, trays and direct burial in ground. The cable is subject to immerse in water all the time.

Standards / Testing Specifications

• IEC 60502-1.

Marking

0.6/1 KV CV-AWA 1 x (SIZE) SQ.MM., PHELPS DODGE.

Installation

CV-AWA cable can be installed in duct, tray or direct burial. It is recommended that the installation instructions indicated by the Local Electric Code, or any equivalent, be followed, so that the safeguarding of persons and the integrity of the product will not be affected by deficiencies in the installation.

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Nominal Sectional Area	Number of Wires	Diameter of Conductor (approx.)	Thickness of Insulation	Thickness of Inner	Diameter of Cable before Armor (approx.)	Diameter of Aluminum Wire Armor	Thickness of Sheath	Overall Diameter (approx.)	Maximum Resistance of Cdr. @ 20°C	Minimum Insulation Resistance @ 15.6°C	Cable Weight (approx.)	Allowable Direct Burial @ 25°C Ground Temp. RHO 120	Ampacities in Free Air @ 40°C Ambient	Standard Packing
mm^2		mm	mm	mm	mm	mm	mm	mm	Ω / km	MΩ - km	kg / km	A	A	m
1.5	1	1.38	0.7	1.0	5.5	1.3	1.8	13.5	12.1	850	170	34	25	500/R
1.5	7	1.56	0.7	1.0	5.5	1.3	1.8	13.5	12.1	850	170	34	25	500/R
2.5	1	1.78	0.7	1.0	6.0	1.3	1.8	14.0	7.41	700	190	45	35	500/R
2.5	7	2.01	0.7	1.0	6.0	1.3	1.8	14.0	7.41	700	190	45	35	500/R
4	1	2.25	0.7	1.0	6.5	1.3	1.8	14.5	4.61	580	210	60	45	500/R
4	7	2.55	0.7	1.0	6.5	1.3	1.8	14.5	4.61	580	220	60	45	500/R
6	7	3.12	0.7	1.0	7.5	1.3	1.8	15.0	3.08	490	250	74	58	500/R
10	7	3.72	0.7	1.0	8.0	1.3	1.8	15.5	1.83	425	290	100	79	500/R
16	7	4.69	0.7	1.0	9.0	1.3	1.8	16.5	1.15	350	370	130	106	500/R
25	7	5.90	0.9	1.0	10.5	1.3	1.8	18.5	0.727	355	490	170	144	500/R
35	7	6.95	0.9	1.0	11.5	1.3	1.8	19.5	0.524	305	590	204	176	500/R
50	7	8.00	1.0	1.0	13.0	1.3	1.8	20.5	0.387	285	730	240	211	500/R
70	18	9.73	1.1	1.0	14.5	1.3	1.8	22.5	0.268	270	970	295	267	500/R
95	18	11.45	1.1	1.0	16.5	1.6	1.8	25.0	0.193	235	1280	351	325	500/R
120	18	12.95	1.2	1.0	18.0	1.6	1.8	26.5	0.153	225	1540	398	375	500/R
150	18	14.27	1.4	1.0	20.0	1.6	1.8	28.5	0.124	240	1830	442	427	500/R
185	34	15.98	1.6	1.0	22.0	1.6	1.9	30.5	0.0991	240	2240	496	487	500/R
240	34	18.47	1.7	1.0	24.5	1.6	2.0	33.5	0.0754	225	2830	565	567	500/R
300	34	20.68	1.8	1.0	27.0	2	2.1	37.0	0.0601	210	3540	626	639	500/R
400	55	23.39	2.0	1.2	30.5	2	2.2	41.0	0.0470	205	4450	695	727	500/R
500	55	26.67	2.2	1.2	34.5	2	2.3	45.0	0.0366	195	5570	807	819	500/R
630	55	30.00	2.4	1.2	38.0	2.5	2.5	51.0	0.0283	190	7210	907	923	500/R

R = Packing in reel