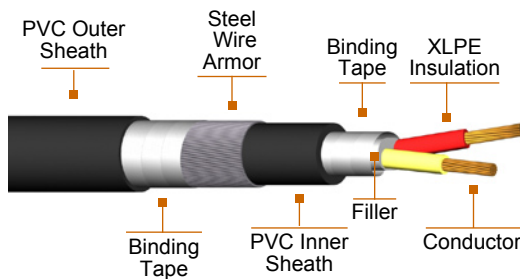


0.6/1 kV XLPE Insulated and Double Sheathed Power Cable with Steel Wire Armor (Two Conductors)



Detail Description or Construction

Conductor

Solid or stranded copper

Insulation

Cross-linked polyethylene

Circuit Identification

The insulation shall be red, black

Filler

Polypropylene filament with lapped binding tape

Inner Sheath

Polyvinyl chloride (Black)

Armor

Galvanized steel 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-SWA 2 x (SIZE) SQ.MM., PHELPS DODGE.

Installation

CV-SWA 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.



CV-SWA

0.6/1 kV XLPE Insulated and Double Sheathed Power Cable with Steel Wire Armor (Two Conductors)

Nominal Sectional Area	Number of Wires	Diameter of Conductor (approx.)	Thickness of Insulation	Thickness of Inner Sheath	Diameter of Cable before Armor		Diameter of Steel 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.	Ampacities in Free Air @ 40°C Ambient	Standard Packing
					mm								RHO 120		
mm ²		mm	mm	mm	Min	Max	mm	mm	mm	Ω / km	MΩ - km	kg / km	A	A	m
2.5	1	1.78	0.7	1.0	9	11	0.80	1.8	17	7.41	700	363	45	35	500/R
2.5	7	2.01	0.7	1.0	10	11	1.60	1.8	19	7.41	700	563	45	35	500/R
4	1	2.25	0.7	1.0	10	12	1.60	1.8	20	4.61	580	612	60	45	500/R
4	7	2.55	0.7	1.0	11	12	1.60	1.8	20	4.61	580	642	60	45	500/R
6	7	3.12	0.7	1.0	12	13	1.60	1.8	22	3.08	490	731	74	58	500/R
10	7	3.72	0.7	1.0	13	15	1.60	1.8	23	1.83	425	860	100	79	500/R
16	7	4.69	0.7	1.0	15	16	1.60	1.8	25	1.15	350	1,058	130	106	500/R
25	7	5.90	0.9	1.0	19	20	1.60	1.8	28	0.727	355	1,391	170	144	500/R
35	7	6.95	0.9	1.0	21	22	2.00	1.9	31	0.524	305	1,861	204	176	500/R
50	7	8.00	1.0	1.0	23	24	2.00	2.0	34	0.387	285	2,249	240	211	500/R
70	18	9.73	1.1	1.0	27	28	2.50	2.1	39	0.268	270	3,180	295	267	500/R
95	18	11.45	1.1	1.2	31	32	2.50	2.3	44	0.193	235	4,022	351	325	500/R
120	18	12.95	1.2	1.2	35	36	2.50	2.4	47	0.153	225	4,753	398	375	500/R
150	18	14.27	1.4	1.4	39	40	3.15	2.6	53	0.124	240	6,203	442	427	500/R
185	34	15.98	1.6	1.4	43	44	3.15	2.7	58	0.0991	240	7,319	496	487	500/R
240	34	18.47	1.7	1.4	48	49	3.40	3.0	64	0.0754	225	9,229	565	567	500/R
300	34	20.68	1.8	1.6	54	55	3.40	3.1	70	0.0601	210	10,970	626	639	500/R
400	55	23.39	2.0	1.6	61	62	3.40	3.4	78	0.0470	200	13,458	695	727	500/R
500	55	26.67	2.2	1.8	69	70	3.40	3.7	86	0.0366	200	16,514	807	819	500/R
630	55	30.00	2.4	1.8	76	78	3.40	3.9	95	0.0283	200	20,186	907	923	500/R

R = Packing in reel