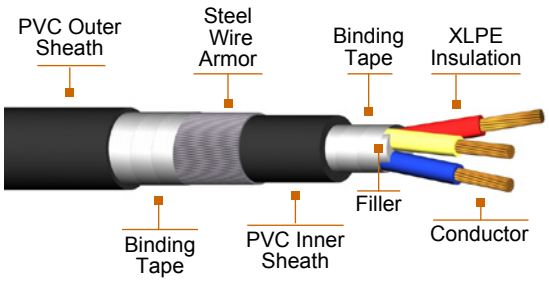
CV-SWA

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



Detail Description or Construction

Conductor
Solid or stranded copper
Insulation
Cross-linked polyethylene
Circuit Identification
The insulation shall be red, yellow, blue
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 3 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.

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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		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	10	11	1.60	1.8	19	7.41	700	591	38	30	500/R
2.5	7	2.01	0.7	1.0	10	12	1.60	1.8	20	7.41	700	613	38	30	500/R
4	1	2.25	0.7	1.0	11	12	1.60	1.8	20	4.61	700	359	50	39	500/R
4	7	2.55	0.7	1.0	12	13	1.60	1.8	21	4.61	580	710	50	39	500/R
6	7	3.12	0.7	1.0	13	14	1.60	1.8	22	3.08	490	822	62	50	500/R
10	7	3.72	0.7	1.0	14	15	1.60	1.8	24	1.83	425	990	84	68	500/R
16	7	4.69	0.7	1.0	16	17	1.60	1.8	26	1.15	350	1,247	109	91	500/R
25	7	5.90	0.9	1.0	20	21	1.60	1.8	29	0.727	355	1,677	142	124	500/R
35	7	6.95	0.9	1.0	22	23	2.00	1.9	33	0.524	305	2,252	171	152	500/R
50	7	8.00	1.0	1.0	25	26	2.00	2.0	35	0.387	285	2,763	201	182	500/R
70	18	9.73	1.1	1.2	30	31	2.50	2.2	42	0.268	270	4,016	247	230	500/R
95	18	11.45	1.1	1.2	33	35	2.50	2.4	46	0.193	235	5,042	294	280	500/R
120	18	12.95	1.2	1.2	37	38	3.15	2.5	52	0.153	225	6,554	333	323	500/R
150	18	14.27	1.4	1.4	41	43	3.15	2.7	56	0.124	240	7,785	370	368	500/R
185	34	15.98	1.6	1.4	46	47	3.40	2.9	62	0.0991	240	9,541	415	420	500/R
240	34	18.47	1.7	1.6	52	53	3.40	3.1	69	0.0754	225	11,845	473	489	500/R
300	34	20.68	1.8	1.6	57	59	3.40	3.3	74	0.0601	210	14,140	524	551	500/R
400	55	23.39	2.0	1.8	66	67	3.40	3.6	83	0.0470	200	17,558	582	627	500/R
500	55	26.67	2.2	1.8	74	75	3.40	3.8	92	0.0366	200	21,559	675	706	500/R
630	55	30.00	2.4	1.8	82	83	3.40	4.1	101	0.0283	200	26,668	759	796	500/R

R = Packing in reel