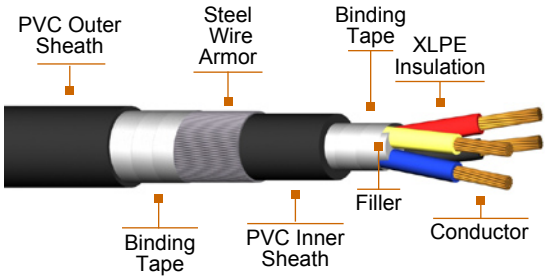
CV-SWA

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



Detail Description or Construction

Conductor
Solid or stranded copper
Insulation
Cross-linked polyethylene
Circuit Identification
The insulation shall be red, yellow, blue, black
Filler
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 4 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	11	12	1.60	1.8	20	7.41	700	655	38	30	500/R
2.5	7	2.01	0.7	1.0	11	13	1.60	1.8	21	7.41	700	682	38	30	500/R
4	1	2.25	0.7	1.0	12	13	1.60	1.8	21	4.61	580	762	50	39	500/R
4	7	2.55	0.7	1.0	13	14	1.60	1.8	22	4.61	580	799	50	39	500/R
6	7	3.12	0.7	1.0	14	15	1.60	1.8	23	3.08	490	937	62	50	500/R
10	7	3.72	0.7	1.0	16	17	1.60	1.8	25	1.83	425	1,149	84	68	500/R
16	7	4.69	0.7	1.0	18	19	1.60	1.8	27	1.15	350	1,473	109	91	500/R
25	7	5.90	0.9	1.0	22	23	2.00	1.9	32	0.727	355	2,213	142	124	500/R
35	7	6.95	0.9	1.0	24	26	2.00	2.0	35	0.524	305	2,725	171	152	500/R
50	7	8.00	1.0	1.2	28	29	2.50	2.2	40	0.387	285	3,727	201	182	500/R
70	18	9.73	1.1	1.2	33	34	2.50	2.3	45	0.268	270	4,899	247	230	500/R
95	18	11.45	1.1	1.2	37	38	3.15	2.5	52	0.193	235	6,746	294	280	500/R
120	18	12.95	1.2	1.4	42	43	3.15	2.7	56	0.153	225	8,131	333	323	500/R
150	18	14.27	1.4	1.4	46	47	3.40	2.9	62	0.124	240	9,856	370	368	500/R
185	34	15.98	1.6	1.6	51	53	3.40	3.1	68	0.0991	240	11,894	415	420	500/R
240	34	18.47	1.7	1.6	58	59	3.40	3.3	75	0.0754	225	14,756	473	489	500/R
300	34	20.68	1.8	1.6	64	65	3.40	3.5	81	0.0601	210	17,709	524	551	500/R
400	55	23.39	2.0	1.8	73	74	3.40	3.8	91	0.0470	200	22,066	582	627	500/R
500	55	26.67	2.2	1.8	82	83	3.40	4.1	101	0.0366	200	27,279	675	706	500/R
630	55	30.00	2.4	2.0	92	93	4.00	4.5	113	0.0283	200	35,158	759	796	500/R

R = Packing in reel