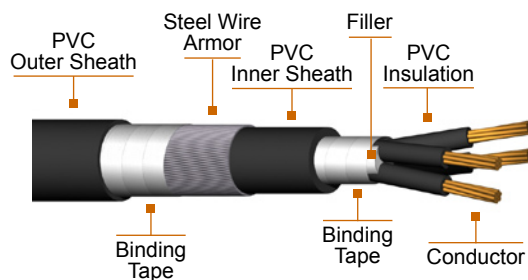


600 V 70°C PVC Insulated and Sheathed Control Cable with Steel Wire Armor



Detail Description or Construction

Conductor

Stranded copper conductor
(Optional: Solid or flexible)

Insulation

Polyvinyl chloride (Black colour with marking number)

Filler

Polypropylene filament
(For multicore cable only)

Core-covering

Binding tape

Inner sheath

Polyvinyl chloride (Black)

Aarmor

Galvanized steel wire

Sheath

Polyvinyl chloride (Black).

Application

For supervisory electrical equipment, station control circuits. Out door, suitable installation in the wet or dry cable trenches.

Standards / Testing Specifications

- IEC 60502-1

Marking

0.6/1 KV CVV-SWA (No. OF CORE) x (SIZE) SQ.MM., PHELPS DODGE.

Installation

CVV-SWA cable can be installed in wet or dry cable trench. 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.



CVV - SWA

600 V 70°C PVC Insulated and Sheathed Control Cable with Steel Wire Armor

Number of Core	Nominal Sectional Area	Number & Diameter of Wire	Diameter of Conductor (approx)	Thickness of Insulation Min. Average	Thickness of Inner Jacket Min. Average	Diameter of Steel Wire (Nom)	Thickness of Outer Jacket Min. Average	Overall Diameter (approx)	Maximum Resistance of Cdr. @ 20°C	Minimum Insulation Resistance @ 15.6°C	Cable Weight (approx)	Standard Packing
	mm ²	No. / mm	mm	mm	mm	mm	mm	mm	Ω / km	MΩ - km	kg / km	m
2	1.5	7/0.50	1.56	0.8	1	0.8	1.8	17	13.30	192	370	1,000/R
	2.5	7/0.67	2.01	0.8	1	0.8	1.8	18	7.98	159	420	1,000/R
	4	7/0.85	2.55	1	1	0.8	1.8	20	4.95	158	520	1,000/R
	6	7/1.04	3.12	1	1	0.8	1.8	21	3.30	122	600	1,000/R
3	1.5	7/0.50	1.56	0.8	1	0.8	1.8	18	13.30	192	410	1,000/R
	2.5	7/0.67	2.01	0.8	1	0.8	1.8	19	7.98	159	465	1,000/R
	4	7/0.85	2.55	1	1	0.8	1.8	21	4.95	158	590	1,000/R
	6	7/1.04	3.12	1	1	0.8	1.8	22	3.30	122	695	1,000/R
4	1.5	7/0.50	1.56	0.8	1	0.8	1.8	19	13.30	192	455	1,000/R
	2.5	7/0.67	2.01	0.8	1	0.8	1.8	20	7.98	159	525	1,000/R
	4	7/0.85	2.55	1	1	0.8	1.8	22	4.95	158	675	1,000/R
	6	7/1.04	3.12	1	1	1.6	1.8	25	3.30	122	1,110	1,000/R
5	1.5	7/0.50	1.56	0.8	1	0.8	1.8	20	13.30	192	505	1,000/R
	2.5	7/0.67	2.01	0.8	1	0.8	1.8	21	7.98	159	595	1,000/R
	4	7/0.85	2.55	1	1	1.6	1.8	25	4.95	158	1,080	1,000/R
	6	7/1.04	3.12	1	1	1.6	1.8	27	3.30	122	1,250	1,000/R
6	1.5	7/0.50	1.56	0.8	1	0.8	1.8	21	13.30	192	555	1,000/R
	2.5	7/0.67	2.01	0.8	1	0.8	1.8	22	7.98	159	665	1,000/R
	4	7/0.85	2.55	1	1	1.6	1.8	26	4.95	158	1,195	1,000/R
	6	7/1.04	3.12	1	1	1.6	1.8	29	3.30	122	1,400	1,000/R

R = Packing in reel



CVV - SWA

600 V 70°C PVC Insulated and Sheathed Control Cable with Steel Wire Armor

Number of Core	Nominal Sectional Area	Number & Diameter of Wire	Diameter of Conductor (approx)	Thickness of Insulation Min. Average	Thickness of Inner Jacket Min. Average	Diameter of Steel Wire (Nom)	Thickness of Outer Jacket Min. Average	Overall Diameter (approx)	Maximum Resistance of Cdr. @ 20°C	Minimum Insulation Resistance @ 15.6°C	Cable Weight (approx)	Standard Packing
	mm ²	No. / mm	mm	mm	mm	mm	mm	mm	Ω / km	MΩ - km	kg / km	m
7	1.5	7/0.50	1.56	0.8	1	0.8	1.8	21	13.30	192	575	1,000/R
	2.5	7/0.67	2.01	0.8	1	0.8	1.8	22	7.98	159	690	1,000/R
	4	7/0.85	2.55	1	1	1.6	1.8	26	4.95	158	1,240	1,000/R
	6	7/1.04	3.12	1	1	1.6	1.8	29	3.30	122	1,465	1,000/R
8	1.5	7/0.50	1.56	0.8	1	0.8	1.8	22	13.30	192	630	1,000/R
	2.5	7/0.67	2.01	0.8	1	1.6	1.8	25	7.98	159	1,055	1,000/R
	4	7/0.85	2.55	1	1	1.6	1.8	28	4.95	158	1,350	1,000/R
	6	7/1.04	3.12	1	1	1.6	1.8	30	3.30	122	1,620	1,000/R
9	1.5	7/0.50	1.56	0.8	1	0.8	1.8	23	13.30	192	680	1,000/R
	2.5	7/0.67	2.01	0.8	1	1.6	1.8	26	7.98	159	1,145	1,000/R
	4	7/0.85	2.55	1	1	1.6	1.8	30	4.95	158	1,485	1,000/R
	6	7/1.04	3.12	1	1	1.6	1.8	32	3.30	122	1,780	1,000/R
10	1.5	7/0.50	1.56	0.8	1	1.6	1.8	25	13.30	192	1,050	1,000/R
	2.5	7/0.67	2.01	0.8	1	1.6	1.8	28	7.98	159	1,240	1,000/R
	4	7/0.85	2.55	1	1	1.6	1.8	31	4.95	158	1,630	1,000/R
	6	7/1.04	3.12	1	1	1.6	1.8	34	3.30	122	1,950	1,000/R
11	1.5	7/0.50	1.56	0.8	1	1.6	1.8	25	13.30	192	1,070	1,000/R
	2.5	7/0.67	2.01	0.8	1	1.6	1.8	28	7.98	159	1,270	1,000/R
	4	7/0.85	2.55	1	1	1.6	1.8	31	4.95	158	1,675	1,000/R
	6	7/1.04	3.12	1	1	1.6	1.8	34	3.30	122	2,015	1,000/R

R = Packing in reel



CVV - SWA

600 V 70°C PVC Insulated and Sheathed Control Cable with Steel Wire Armor

Number of Core	Nominal Sectional Area	Number & Diameter of Wire	Diameter of Conductor (approx)	Thickness of Insulation Min. Average	Thickness of Inner Jacket Min. Average	Diameter of Steel Wire (Nom)	Thickness of Outer Jacket Min. Average	Overall Diameter (approx)	Maximum Resistance of Cdr. @ 20°C	Minimum Insulation Resistance @ 15.6°C	Cable Weight (approx)	Standard Packing
	mm ²	No. / mm	mm	mm	mm	mm	mm	mm	Ω / km	MΩ - km	kg / km	m
12	1.5	7/0.50	1.56	0.8	1	1.6	1.8	26	13.30	192	1,115	1,000/R
	2.5	7/0.67	2.01	0.8	1	1.6	1.8	28	7.98	159	1,330	1,000/R
	4	7/0.85	2.55	1	1	1.6	1.8	32	4.95	158	1,755	1,000/R
	6	7/1.04	3.12	1	1	1.6	1.9	35	3.30	122	2,150	1,000/R
13	1.5	7/0.50	1.56	0.8	1	1.6	1.8	27	13.30	192	1,170	1,000/R
	2.5	7/0.67	2.01	0.8	1	1.6	1.8	29	7.98	159	1,415	1,000/R
	4	7/0.85	2.55	1	1	1.6	1.8	33	4.95	158	1,870	1,000/R
	6	7/1.04	3.12	1	1	2	1.9	37	3.30	122	2,555	1,000/R
14	1.5	7/0.50	1.56	0.8	1	1.6	1.8	27	13.30	192	1,190	1,000/R
	2.5	7/0.67	2.01	0.8	1	1.6	1.8	29	7.98	159	1,440	1,000/R
	4	7/0.85	2.55	1	1	1.6	1.8	33	4.95	158	1,915	1,000/R
	6	7/1.04	3.12	1	1	2	1.9	37	3.30	122	2,620	1,000/R
15	1.5	7/0.50	1.56	0.8	1	1.6	1.8	28	13.30	192	1,265	1,000/R
	2.5	7/0.67	2.01	0.8	1	1.6	1.8	30	7.98	159	1,530	1,000/R
	4	7/0.85	2.55	1	1	1.6	1.9	35	4.95	158	2,065	1,000/R
	6	7/1.04	3.12	1	1	2	1.9	39	3.30	122	2,785	1,000/R
16	1.5	7/0.50	1.56	0.8	1	1.6	1.8	28	13.30	192	1,280	1,000/R
	2.5	7/0.67	2.01	0.8	1	1.6	1.8	30	7.98	159	1,560	1,000/R
	4	7/0.85	2.55	1	1	1.6	1.9	35	4.95	158	2,110	1,000/R
	6	7/1.04	3.12	1	1	2	1.9	39	3.30	122	2,850	1,000/R

R = Packing in reel



CVV - SWA

600 V 70°C PVC Insulated and Sheathed Control Cable with Steel Wire Armor

Number of Core	Nominal Sectional Area	Number & Diameter of Wire	Diameter of Conductor (approx)	Thickness of Insulation Min. Average	Thickness of Inner Jacket Min. Average	Diameter of Steel Wire (Nom)	Thickness of Outer Jacket Min. Average	Overall Diameter (approx)	Maximum Resistance of Cdr. @ 20°C	Minimum Insulation Resistance @ 15.6°C	Cable Weight (approx)	Standard Packing
	mm ²	No. / mm	mm	mm	mm	mm	mm	mm	Ω / km	MΩ - km	kg / km	m
17	1.5	7/0.50	1.56	0.8	1	1.6	1.8	29	13.30	192	1,360	1,000/R
	2.5	7/0.67	2.01	0.8	1	1.6	1.8	31	7.98	159	1,650	1,000/R
	4	7/0.85	2.55	1	1	2	1.9	37	4.95	158	2,490	1,000/R
	6	7/1.04	3.12	1	1	2	2	41	3.30	122	3,050	1,000/R
18	1.5	7/0.50	1.56	0.8	1	1.6	1.8	29	13.30	192	1,375	1,000/R
	2.5	7/0.67	2.01	0.8	1	1.6	1.8	31	7.98	159	1,680	1,000/R
	4	7/0.85	2.55	1	1	2	1.9	37	4.95	158	2,535	1,000/R
	6	7/1.04	3.12	1	1	2	2	41	3.30	122	3,115	1,000/R
19	1.5	7/0.50	1.56	0.8	1	1.6	1.8	29	13.30	192	1,395	1,000/R
	2.5	7/0.67	2.01	0.8	1	1.6	1.8	31	7.98	159	1,705	1,000/R
	4	7/0.85	2.55	1	1	2	1.9	37	4.95	158	2,580	1,000/R
	6	7/1.04	3.12	1	1	2	2	41	3.30	122	3,175	1,000/R
20	1.5	7/0.50	1.56	0.8	1	1.6	1.8	30	13.30	192	1,455	1,000/R
	2.5	7/0.67	2.01	0.8	1	1.6	1.8	32	7.98	159	1,800	1,000/R
	4	7/0.85	2.55	1	1	2	2	39	4.95	158	2,740	1,000/R
	6	7/1.04	3.12	1	1.2	2	2.1	43	3.30	122	3,425	1,000/R
21	1.5	7/0.50	1.56	0.8	1	1.6	1.8	30	13.30	192	1,475	1,000/R
	2.5	7/0.67	2.01	0.8	1	1.6	1.8	32	7.98	159	1,830	1,000/R
	4	7/0.85	2.55	1	1	2	2	39	4.95	158	2,785	1,000/R
	6	7/1.04	3.12	1	1.2	2	2.1	43	3.30	122	3,490	1,000/R

R = Packing in reel



CVV - SWA

600 V 70°C PVC Insulated and Sheathed Control Cable with Steel Wire Armor

Number of Core	Nominal Sectional Area	Number & Diameter of Wire	Diameter of Conductor (approx)	Thickness of Insulation Min. Average	Thickness of Inner Jacket Min. Average	Diameter of Steel Wire (Nom)	Thickness of Outer Jacket Min. Average	Overall Diameter (approx)	Maximum Resistance of Cdr. @ 20°C	Minimum Insulation Resistance @ 15.6°C	Cable Weight (approx)	Standard Packing
	mm ²	No. / mm	mm	mm	mm	mm	mm	mm	Ω / km	MΩ - km	kg / km	m
22	1.5	7/0.50	1.56	0.8	1	1.6	1.8	31	13.30	192	1,555	1,000/R
	2.5	7/0.67	2.01	0.8	1	1.6	1.8	33	7.98	159	1,925	1,000/R
	4	7/0.85	2.55	1	1	2	2	41	4.95	158	2,950	1,000/R
	6	7/1.04	3.12	1	1.2	2	2.1	44	3.30	122	3,670	1,000/R
23	1.5	7/0.50	1.56	0.8	1	1.6	1.8	31	13.30	192	1,570	1,000/R
	2.5	7/0.67	2.01	0.8	1	1.6	1.8	33	7.98	159	1,950	1,000/R
	4	7/0.85	2.55	1	1	2	2	41	4.95	158	2,995	1,000/R
	6	7/1.04	3.12	1	1.2	2	2.1	44	3.30	122	3,735	1,000/R
24	1.5	7/0.50	1.56	0.8	1	1.6	1.8	32	13.30	192	1,660	1,000/R
	2.5	7/0.67	2.01	0.8	1	1.6	1.9	35	7.98	159	2,070	1,000/R
	4	7/0.85	2.55	1	1.2	2	2.1	43	4.95	158	3,230	1,000/R
	6	7/1.04	3.12	1	1.2	2	2.2	47	3.30	122	3,975	1,000/R
25	1.5	7/0.50	1.56	0.8	1	1.6	1.8	32	13.30	192	1,675	1,000/R
	2.5	7/0.67	2.01	0.8	1	1.6	1.9	35	7.98	159	2,100	1,000/R
	4	7/0.85	2.55	1	1.2	2	2.1	43	4.95	158	3,275	1,000/R
	6	7/1.04	3.12	1	1.2	2	2.2	47	3.30	122	4,040	1,000/R
26	1.5	7/0.50	1.56	0.8	1	1.6	1.8	32	13.30	192	1,695	1,000/R
	2.5	7/0.67	2.01	0.8	1	1.6	1.9	35	7.98	159	2,125	1,000/R
	4	7/0.85	2.55	1	1.2	2	2.1	43	4.95	158	3,320	1,000/R
	6	7/1.04	3.12	1	1.2	2	2.2	47	3.30	122	4,105	1,000/R

R = Packing in reel

CVV - SWA

600 V 70°C PVC Insulated and Sheathed Control Cable with Steel Wire Armor

Number of Core	Nominal Sectional Area	Number & Diameter of Wire	Diameter of Conductor (approx)	Thickness of Insulation Min. Average	Thickness of Inner Jacket Min. Average	Diameter of Steel Wire (Nom)	Thickness of Outer Jacket Min. Average	Overall Diameter (approx)	Maximum Resistance of Cdr. @ 20°C	Minimum Insulation Resistance @ 15.6°C	Cable Weight (approx)	Standard Packing
	mm ²	No. / mm	mm	mm	mm	mm	mm	mm	Ω / km	MΩ - km	kg / km	m
27	1.5	7/0.50	1.56	0.8	1	1.6	1.8	33	13.30	192	1,745	1,000/R
	2.5	7/0.67	2.01	0.8	1	2	1.9	37	7.98	159	2,440	1,000/R
	4	7/0.85	2.55	1	1.2	2	2.1	44	4.95	158	3,420	1,000/R
	6	7/1.04	3.12	1	1.2	2.5	2.2	48	3.30	122	4,635	1,000/R
28	1.5	7/0.50	1.56	0.8	1	1.6	1.8	33	13.30	192	1,820	1,000/R
	2.5	7/0.67	2.01	0.8	1	2	1.9	38	7.98	159	2,525	1,000/R
	4	7/0.85	2.55	1	1.2	2	2.1	45	4.95	158	3,565	1,000/R
	6	7/1.04	3.12	1	1.2	2.5	2.3	50	3.30	122	4,855	1,000/R
29	1.5	7/0.50	1.56	0.8	1	1.6	1.8	33	13.30	192	1,840	1,000/R
	2.5	7/0.67	2.01	0.8	1	2	1.9	38	7.98	159	2,555	1,000/R
	4	7/0.85	2.55	1	1.2	2	2.1	45	4.95	158	3,610	1,000/R
	6	7/1.04	3.12	1	1.2	2.5	2.3	50	3.30	122	4,920	1,000/R
30	1.5	7/0.50	1.56	0.8	1	1.6	1.8	33	13.30	192	1,860	1,000/R
	2.5	7/0.67	2.01	0.8	1	2	1.9	38	7.98	159	2,585	1,000/R
	4	7/0.85	2.55	1	1.2	2	2.1	45	4.95	158	3,655	1,000/R
	6	7/1.04	3.12	1	1.2	2.5	2.3	50	3.30	122	4,985	1,000/R

R = Packing in reel