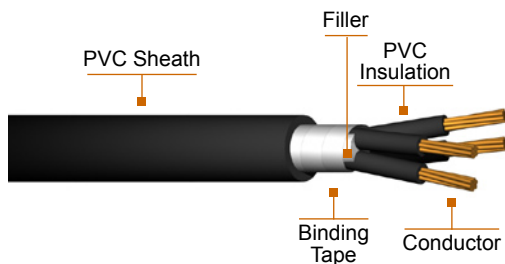


CVV (Stranded)

600 V 70°C PVC Insulated and Sheathed Control Cable



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.

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 (No. OF CORE) x (SIZE) SQ.MM., PHELPS DODGE.

Installation

CVV 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 (Stranded)

600 V 70°C PVC Insulated and Sheathed Control Cable

Number of Core	Nominal Sectional Area	Number & Diameter of Wire	Diameter of Conductor (approx)	Thickness of Insulation Min. Average	Thickness of Jacket Min. Average	Overall Diameter (approx)	Maximum DC. Resistance of Cdr. @ 20°C	Minimum Insulation Resistance @ 15.6°C	Cable Weight (approx)	Standard Packing
	mm ²	No. / mm	mm	mm	mm	mm	Ω / km	MΩ - km	kg / km	m
2	1.5	7/0.50	1.56	0.8	1.8	12.5	12.1	186	130	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	13.5	7.41	155	165	1,000/R
	4	7/0.85	2.55	1	1.8	15	4.61	153	225	1,000/R
	6	7/1.04	3.12	1	1.8	17	3.08	131	285	1,000/R
3	1.5	7/0.50	1.56	0.8	1.8	13	12.1	186	155	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	14	7.41	155	200	1,000/R
	4	7/0.85	2.55	1	1.8	16	4.61	153	285	1,000/R
	6	7/1.04	3.12	1	1.8	17	3.08	131	360	1,000/R
4	1.5	7/0.50	1.56	0.8	1.8	14	12.1	186	185	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	15	7.41	155	240	1,000/R
	4	7/0.85	2.55	1	1.8	17	4.61	153	350	1,000/R
	6	7/1.04	3.12	1	1.8	19	3.08	131	450	1,000/R
5	1.5	7/0.50	1.56	0.8	1.8	15	12.1	186	220	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	16	7.41	155	290	1,000/R
	4	7/0.85	2.55	1	1.8	17	4.61	153	420	1,000/R
	6	7/1.04	3.12	1	1.8	20	3.08	131	545	1,000/R
6	1.5	7/0.50	1.56	0.8	1.8	16	12.1	186	255	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	17	7.41	155	335	1,000/R
	4	7/0.85	2.55	1	1.8	20	4.61	153	490	1,000/R
	6	7/1.04	3.12	1	1.8	22	3.08	131	640	1,000/R

R = Packing in reel



CVV (Stranded)

600 V 70°C PVC Insulated and Sheathed Control Cable

Number of Core	Nominal Sectional Area	Number & Diameter of Wire	Diameter of Conductor (approx)	Thickness of Insulation Min. Average	Thickness of Jacket Min. Average	Overall Diameter (approx)	Maximum DC. Resistance of Cdr. @ 20°C	Minimum Insulation Resistance @ 15.6°C	Cable Weight (approx)	Standard Packing
	mm ²	No. / mm	mm	mm	mm	mm	Ω / km	MΩ - km	kg / km	m
7	1.5	7/0.50	1.56	0.8	1.8	16	12.1	186	275	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	17	7.41	155	365	1,000/R
	4	7/0.85	2.55	1	1.8	20	4.61	153	535	1,000/R
	6	7/1.04	3.12	1	1.8	22	3.08	131	705	1,000/R
8	1.5	7/0.50	1.56	0.8	1.8	17	12.1	186	310	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	18	7.41	155	410	1,000/R
	4	7/0.85	2.55	1	1.8	21	4.61	153	610	1,000/R
	6	7/1.04	3.12	1	1.8	23	3.08	131	805	1,000/R
9	1.5	7/0.50	1.56	0.8	1.8	18	12.1	186	345	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	19	7.41	155	460	1,000/R
	4	7/0.85	2.55	1	1.8	23	4.61	153	685	1,000/R
	6	7/1.04	3.12	1	1.8	25	3.08	131	905	1,000/R
10	1.5	7/0.50	1.56	0.8	1.8	19	12.1	186	385	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	21	7.41	155	520	1,000/R
	4	7/0.85	2.55	1	1.8	25	4.61	153	770	1,000/R
	6	7/1.04	3.12	1	1.8	27	3.08	131	1,020	1,000/R
11	1.5	7/0.50	1.56	0.8	1.8	19	12.1	186	405	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	21	7.41	155	545	1,000/R
	4	7/0.85	2.55	1	1.8	25	4.61	153	815	1,000/R
	6	7/1.04	3.12	1	1.8	27	3.08	131	1,085	1,000/R

R = Packing in reel



CVV (Stranded)

600 V 70°C PVC Insulated and Sheathed Control Cable

Number of Core	Nominal Sectional Area	Number & Diameter of Wire	Diameter of Conductor (approx)	Thickness of Insulation Min. Average	Thickness of Jacket Min. Average	Overall Diameter (approx)	Maximum DC. Resistance of Cdr. @ 20°C	Minimum Insulation Resistance @ 15.6°C	Cable Weight (approx)	Standard Packing
	mm ²	No. / mm	mm	mm	mm	mm	Ω / km	MΩ - km	kg / km	m
12	1.5	7/0.50	1.56	0.8	1.8	19	12.1	186	430	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	21	7.41	155	585	1,000/R
	4	7/0.85	2.55	1	1.8	25	4.61	153	880	1,000/R
	6	7/1.04	3.12	1	1.8	28	3.08	131	1,170	1,000/R
13	1.5	7/0.50	1.56	0.8	1.8	20	12.1	186	465	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	22	7.41	155	635	1,000/R
	4	7/0.85	2.55	1	1.8	26	4.61	153	955	1,000/R
	6	7/1.04	3.12	1	1.8	29	3.08	131	1,270	1,000/R
14	1.5	7/0.50	1.56	0.8	1.8	20	12.1	186	485	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	22	7.41	155	660	1,000/R
	4	7/0.85	2.55	1	1.8	26	4.61	153	1,000	1,000/R
	6	7/1.04	3.12	1	1.8	29	3.08	131	1,335	1,000/R
15	1.5	7/0.50	1.56	0.8	1.8	21	12.1	186	520	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	23	7.41	155	715	1,000/R
	4	7/0.85	2.55	1	1.8	28	4.61	153	1,080	1,000/R
	6	7/1.04	3.12	1	1.8	31	3.08	131	1,440	1,000/R
16	1.5	7/0.50	1.56	0.8	1.8	21	12.1	186	540	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	23	7.41	155	740	1,000/R
	4	7/0.85	2.55	1	1.8	28	4.61	153	1,125	1,000/R
	6	7/1.04	3.12	1	1.8	31	3.08	131	1,505	1,000/R

R = Packing in reel



CVV (Stranded)

600 V 70°C PVC Insulated and Sheathed Control Cable

Number of Core	Nominal Sectional Area	Number & Diameter of Wire	Diameter of Conductor (approx)	Thickness of Insulation Min. Average	Thickness of Jacket Min. Average	Overall Diameter (approx)	Maximum DC. Resistance of Cdr. @ 20°C	Minimum Insulation Resistance @ 15.6°C	Cable Weight (approx)	Standard Packing
	mm ²	No. / mm	mm	mm	mm	mm	Ω / km	MΩ - km	kg / km	m
17	1.5	7/0.50	1.56	0.8	1.8	22	12.1	186	580	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	24	7.41	155	795	1,000/R
	4	7/0.85	2.55	1	1.8	30	4.61	153	1,205	1,000/R
	6	7/1.04	3.12	1	1.9	33	3.08	131	1,640	1,000/R
18	1.5	7/0.50	1.56	0.8	1.8	22	12.1	186	600	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	24	7.41	155	825	1,000/R
	4	7/0.85	2.55	1	1.8	30	4.61	153	1,250	1,000/R
	6	7/1.04	3.12	1	1.9	33	3.08	131	1,705	1,000/R
19	1.5	7/0.50	1.56	0.8	1.8	22	12.1	186	615	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	24	7.41	155	850	1,000/R
	4	7/0.85	2.55	1	1.8	30	4.61	153	1,295	1,000/R
	6	7/1.04	3.12	1	1.9	33	3.08	131	1,770	1,000/R
20	1.5	7/0.50	1.56	0.8	1.8	23	12.1	186	655	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	25	7.41	155	905	1,000/R
	4	7/0.85	2.55	1	1.8	31	4.61	153	1,380	1,000/R
	6	7/1.04	3.12	1	1.9	34	3.08	131	1,880	1,000/R
21	1.5	7/0.50	1.56	0.8	1.8	23	12.1	186	675	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	25	7.41	155	935	1,000/R
	4	7/0.85	2.55	1	1.8	31	4.61	153	1,425	1,000/R
	6	7/1.04	3.12	1	1.9	34	3.08	131	1,945	1,000/R

R = Packing in reel



CVV (Stranded)

600 V 70°C PVC Insulated and Sheathed Control Cable

Number of Core	Nominal Sectional Area	Number & Diameter of Wire	Diameter of Conductor (approx)	Thickness of Insulation Min. Average	Thickness of Jacket Min. Average	Overall Diameter (approx)	Maximum DC. Resistance of Cdr. @ 20°C	Minimum Insulation Resistance @ 15.6°C	Cable Weight (approx)	Standard Packing
	mm ²	No. / mm	mm	mm	mm	mm	Ω / km	MΩ - km	kg / km	m
22	1.5	7/0.50	1.56	0.8	1.8	24	12.1	186	715	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	27	7.41	155	990	1,000/R
	4	7/0.85	2.55	1	1.9	33	4.61	153	1,540	1,000/R
	6	7/1.04	3.12	1	2	36	3.08	131	2,080	1,000/R
23	1.5	7/0.50	1.56	0.8	1.8	24	12.1	186	735	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	27	7.41	155	1,020	1,000/R
	4	7/0.85	2.55	1	1.9	33	4.61	153	1,585	1,000/R
	6	7/1.04	3.12	1	2	36	3.08	131	2,140	1,000/R
24	1.5	7/0.50	1.56	0.8	1.8	25	12.1	186	780	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	28	7.41	155	1,085	1,000/R
	4	7/0.85	2.55	1	1.9	35	4.61	153	1,685	1,000/R
	6	7/1.04	3.12	1	2	38	3.08	131	2,275	1,000/R
25	1.5	7/0.50	1.56	0.8	1.8	25	12.1	186	800	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	28	7.41	155	1,115	1,000/R
	4	7/0.85	2.55	1	1.9	35	4.61	153	1,730	1,000/R
	6	7/1.04	3.12	1	2	38	3.08	131	2,340	1,000/R
26	1.5	7/0.50	1.56	0.8	1.8	25	12.1	186	820	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	28	7.41	155	1,140	1,000/R
	4	7/0.85	2.55	1	1.9	35	4.61	153	1,775	1,000/R
	6	7/1.04	3.12	1	2	38	3.08	131	2,405	1,000/R

R = Packing in reel



CVV (Stranded)

600 V 70°C PVC Insulated and Sheathed Control Cable

Number of Core	Nominal Sectional Area	Number & Diameter of Wire	Diameter of Conductor (approx)	Thickness of Insulation Min. Average	Thickness of Jacket Min. Average	Overall Diameter (approx)	Maximum DC. Resistance of Cdr. @ 20°C	Minimum Insulation Resistance @ 15.6°C	Cable Weight (approx)	Standard Packing
	mm ²									
27	1.5	7/0.50	1.56	0.8	1.8	26	12.1	186	850	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	29	7.41	155	1,185	1,000/R
	4	7/0.85	2.55	1	2	36	4.61	153	1,860	1,000/R
	6	7/1.04	3.12	1	2.1	39	3.08	131	2,515	1,000/R
28	1.5	7/0.50	1.56	0.8	1.8	27	12.1	186	890	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	30	7.41	155	1,240	1,000/R
	4	7/0.85	2.55	1	2	37	4.61	153	1,945	1,000/R
	6	7/1.04	3.12	1	2.1	41	3.08	131	2,630	1,000/R
29	1.5	7/0.50	1.56	0.8	1.8	27	12.1	186	910	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	30	7.41	155	1,265	1,000/R
	4	7/0.85	2.55	1	2	37	4.61	153	1,990	1,000/R
	6	7/1.04	3.12	1	2.1	41	3.08	131	2,695	1,000/R
30	1.5	7/0.50	1.56	0.8	1.8	27	12.1	186	925	1,000/R
	2.5	7/0.67	2.01	0.8	1.8	30	7.41	155	1,295	1,000/R
	4	7/0.85	2.55	1	2	37	4.61	153	2,035	1,000/R
	6	7/1.04	3.12	1	2.1	41	3.08	131	2,755	1,000/R

R = Packing in reel