

# VINYL INSULATED VINYL SHEATHED CONTROL CABLE (CVV)

2, 3, 4 CORES CABLES

Specification : JIS C 3401 - 1987



## PHYSICAL AND ELECTRICAL PROPERTIES

No. of core	Nom. cross section	Conductor		Insulation thickness	Sheath thickness	Approx. overall diameter	Approx. cable weight	Resistance at 20°C		AC voltage Test	Current carrying capacity in air 30°C	Short circuit current at 1 sec.	Standard length
		No./dia. of wire	Outer diameter					Conductor	Insulation				
	mm <sup>2</sup>	n/mm	mm	mm	mm	mm	kg/km	ohm/km	M.ohm.km	kV/1 min.	A	kA	m
2	1.5	7/0.50	1.5	0.8	1.5	9.4	105	12.1	50	2	18	0.17	500
	2.5	7/0.67	2.01	0.8	1.5	10.4	139	7.411	50	2	25	0.29	500
	4	7/0.85	2.55	0.8	1.5	11.5	183	4.611	50	2	34	0.46	500
	6	7/1.04	3.12	1.0	1.5	13.4	255	3.088	50	2	42	0.69	500
	10	7/1.35	4.05	1.2	1.5	16.1	384	1.833	50	2	57	1.15	500
	16	7/1.70	5.1	1.4	1.5	19.0	559	1.155	40	2	75	1.84	500
	25	7/2.14	6.42	1.6	1.6	22.6	830	0.727	40	2	95	2.88	500
3	1.5	7/0.50	1.5	0.8	1.5	9.8	128	12.1	50	2	17	0.17	500
	2.5	7/0.67	2.01	0.8	1.5	10.9	174	7.411	50	2	24	0.29	500
	4	7/0.85	2.55	0.8	1.5	12.1	234	4.611	50	2	32	0.46	500
	6	7/1.04	3.12	1.0	1.5	14.2	331	3.088	50	2	40	0.69	500
	10	7/1.35	4.05	1.2	1.5	17.0	507	1.833	50	2	54	1.15	500
	16	7/1.70	5.1	1.4	1.5	20.2	748	1.155	40	2	71	1.84	500
	25	7/2.14	6.42	1.6	1.6	24.1	1120	0.727	40	2	90	2.88	500
4	1.5	7/0.50	1.5	0.8	1.5	10.6	155	12.1	50	2	17	0.17	500
	2.5	7/0.67	2.01	0.8	1.5	11.9	215	7.411	50	2	24	0.29	500
	4	7/0.85	2.55	0.8	1.5	13.2	292	4.611	50	2	32	0.46	500
	6	7/1.04	3.12	1.0	1.5	15.5	416	3.088	50	2	40	0.69	500
	10	7/1.35	4.05	1.2	1.5	18.7	644	1.833	50	2	54	1.15	500
	16	7/1.70	5.1	1.4	1.6	22.4	967	1.155	40	2	71	1.84	500
	25	7/2.14	6.42	1.6	1.7	26.8	1453	0.727	40	2	90	2.88	500

# VINYL INSULATED VINYL SHEATHED CONTROL CABLE (CVV)

5, 6, 7, 8 CORES CABLES  
Specification : JIS C 3401 - 1987



## PHYSICAL AND ELECTRICAL PROPERTIES

No. of core	Nom. cross section	Conductor		Insulation thickness	Sheath thickness	Approx. overall diameter	Approx. cable weight	Resistance at 20°C		AC voltage Test	Current carrying capacity in air 30°C	Short circuit current at 1 sec.	Standard length
		No./dia. of wire	Outer diameter					Conductor	Insulation				
	mm <sup>2</sup>	n/mm	mm	mm	mm	mm	kg/km	ohm/km	M.ohm.km	kV/1 min.	A	kA	m
5	1.5	7/0.50	1.5	0.8	1.5	11.5	185	12.2	50	2	17	0.17	500
	2.5	7/0.67	2.01	0.8	1.5	12.9	259	7.411	50	2	24	0.29	500
	4	7/0.85	2.55	0.8	1.5	14.4	354	4.611	50	2	32	0.46	500
	6	7/1.04	3.12	1.0	1.5	17.0	507	3.088	50	2	40	0.69	500
	10	7/1.35	4.05	1.2	1.5	20.6	789	1.833	50	2	54	1.15	500
	16	7/1.70	5.1	1.4	1.6	24.7	1188	1.155	40	2	71	1.84	500
6	1.5	7/0.50	1.5	0.8	1.5	12.5	215	12.2	50	2	17	0.17	500
	2.5	7/0.67	2.01	0.8	1.5	14.0	304	7.411	50	2	24	0.29	500
	4	7/0.85	2.55	0.8	1.5	15.6	417	4.611	50	2	32	0.46	500
	6	7/1.04	3.12	1.0	1.5	18.5	600	3.088	50	2	40	0.69	500
	10	7/1.35	4.05	1.2	1.5	22.5	938	1.833	50	2	54	1.15	500
	16	7/1.70	5.1	1.4	1.7	27.2	1429	1.155	40	2	71	1.84	500
7	1.5	7/0.50	1.5	0.8	1.5	12.5	223	12.2	50	2	17	0.17	500
	2.5	7/0.67	2.01	0.8	1.5	14.0	318	7.411	50	2	24	0.29	500
	4	7/0.85	2.55	0.8	1.5	15.6	442	4.611	50	2	32	0.46	500
	6	7/1.04	3.12	1.0	1.5	18.5	638	3.088	50	2	40	0.69	500
	10	7/1.35	4.05	1.2	1.5	22.5	1002	1.833	50	2	54	1.15	500
8	1.5	7/0.50	1.5	0.8	1.5	13.4	251	12.2	50	2	17	0.17	500
	2.5	7/0.67	2.01	0.8	1.5	15.1	359	7.411	50	2	24	0.29	500
	4	7/0.85	2.55	0.8	1.5	16.9	501	4.611	50	2	32	0.46	500
	6	7/1.04	3.12	1.0	1.5	20.1	723	3.088	50	2	40	0.69	500
	10	7/1.35	4.05	1.2	1.6	24.7	1149	1.833	50	2	54	1.15	500

VINYL INSULATED VINYL SHEATHED CONTROL CABLE (CCV)  
 10, 12, 15, 20, 30 CORES CABLES  
 Specification : JIS C 3401 - 1987



PHYSICAL AND ELECTRICAL PROPERTIES

No. of core	Nom. cross section	Conductor		Insulation thickness	Sheath thickness	Approx. overall diameter	Approx. cable weight	Resistance at 20°C		AC voltage Test	Current carrying capacity in air 30°C	Short circuit current at 1 sec.	Standard length
		No./dia. of wire	Outer diameter					Conductor	Insulation				
	mm <sup>2</sup>	n/mm	mm	mm	mm	mm	kg/km	ohm/km	M.ohm.km	kV/1 min.	A	kA	m
10	1.5	7/0.50	1.5	0.8	1.5	15.6	317	12.2	50	2	17	0.17	500
	2.5	7/0.67	2.01	0.8	1.5	17.6	455	7.411	50	2	24	0.29	500
	4	7/0.85	2.55	0.8	1.5	19.8	635	4.611	50	2	32	0.46	500
	6	7/1.04	3.12	1.0	1.6	23.8	931	3.088	50	2	40	0.69	500
	10	7/1.35	4.05	1.2	1.8	29.6	1492	1.833	50	2	54	1.15	500
12	1.5	7/0.50	1.5	0.8	1.5	16.0	361	12.2	50	2	17	0.17	500
	2.5	7/0.67	2.01	0.8	1.5	18.1	524	7.411	50	2	24	0.29	500
	4	7/0.85	2.55	0.8	1.5	20.4	736	4.611	50	2	32	0.46	500
	6	7/1.04	3.12	1.0	1.6	24.6	1082	3.088	50	2	40	0.69	500
	10	7/1.35	4.05	1.2	1.8	30.5	1738	1.833	50	2	54	1.15	500
15	1.5	7/0.50	1.5	0.8	1.5	17.3	434	12.2	50	2	17	0.17	500
	2.5	7/0.67	2.01	0.8	1.5	19.6	634	7.411	50	2	24	0.29	500
	4	7/0.85	2.55	0.8	1.5	22.0	897	4.611	50	2	32	0.46	500
	6	7/1.04	3.12	1.0	1.7	26.8	1334	3.088	50	2	40	0.69	500
	10	7/1.35	4.05	1.2	1.9	33.3	2145	1.833	50	2	54	1.15	500
20	1.5	7/0.50	1.5	0.8	1.5	19.2	544	12.2	50	2	17	0.17	500
	2.5	7/0.67	2.01	0.8	1.5	21.8	805	7.411	50	2	24	0.29	500
	4	7/0.85	2.55	0.8	1.6	24.8	1158	4.611	50	2	32	0.46	500
	6	7/1.04	3.12	1.0	1.9	30.5	1735	3.088	50	2	40	0.69	500
30	1.5	7/0.50	1.5	0.8	1.6	23.2	801	12.2	50	2	17	0.17	500
	2.5	7/0.67	2.01	0.8	1.7	26.7	1203	7.411	50	2	24	0.29	500
	4	7/0.85	2.55	0.8	1.8	30.4	1731	4.611	50	2	32	0.46	500