

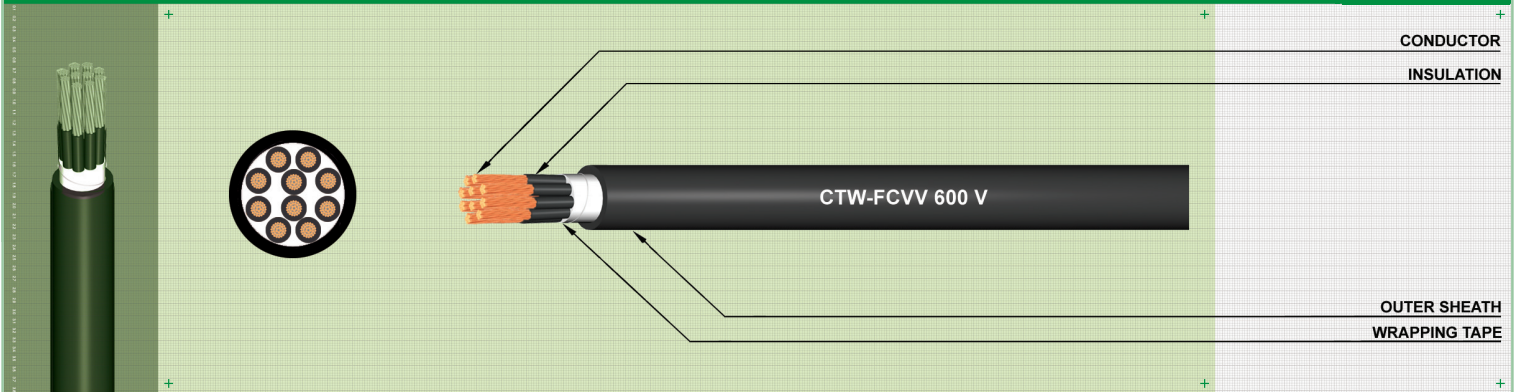


# CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

## CABLE TYPE : CTW - FCVV 600 V ( FLEXIBLE CONDUCTOR )

: 600 V 70°C PVC INSULATED AND SHEATHED CONTROL CABLE NON-SHIELD

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### APPLICATION

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

### CONSTRUCTION

Conductor : Concentric bunching ( Flexible ) annealed copper conductor.  
 Insulation : Polyvinyl chloride (PVC) : Black colour with marking number.  
 Filler : PVC Rod and/or Polypropylene (Nonhygroscopic material)  
 Wrapping Tape : Polyester (Mylar) tape.  
 Outer Sheath : Black polyvinyl chloride (PVC) .  
 Other colours to special order.

\*\*\* Colours sequence for circuit identification & other colours for outer sheath to special order.

### REFERENCE STANDARD

JIS C3401  
 \*Testing Voltage : 2.0 kV

### CLASSIFICATION

Maximum conductor temperature 70°C,  
 Circuit voltage does not exceed 600 volts.

### OPTIONAL

A Special FR-PVC flame retardant sheath can be supplied.

CTW-FCVV 600V ( JIS C3401 )		Conductor			Thickness of Insulation	Thickness of Outer Sheath	Overall diameter (Approx.)	Cable weight (Approx.)	Maximum conductor resistance at 20 °C	Minimum insulation resistance at 20 °C	Standard packing
PRODUCT CODE	No. of Core	Nominal Cross-sectional area	Number and diameter of wire	Diameter (Approx.)							
		mm <sup>2</sup>	No. / mm	mm	mm	mm	kg/km	Ω/km	MΩ-km	m/R	
CB8026001	2	1	36/0.19	1.35	0.72	1.35	11	87	19.5	50	1,000
CB8026501		1.5	36/0.23	1.65	0.72	1.35	11	100	13.3	50	1,000
CB8026502		2.5	60/0.23	2.15	0.72	1.35	12	128	7.98	50	1,000
CB8026004		4	56/0.29	2.65	0.72	1.35	13	163	4.95	50	1,000
CB8026006		6	84/0.29	3.40	0.9	1.35	15	227	3.3	50	1,000
CB8036001	3	1	36/0.19	1.35	0.72	1.35	11	104	19.5	50	1,000
CB8036501		1.5	36/0.23	1.65	0.72	1.35	12	121	13.3	50	1,000
CB8036502		2.5	60/0.23	2.15	0.72	1.35	13	159	7.98	50	1,000
CB8036004		4	56/0.29	2.65	0.72	1.35	14	209	4.95	50	1,000
CB8036006		6	84/0.29	3.40	0.9	1.35	16	296	3.3	50	1,000
CB8046001	4	1	36/0.19	1.35	0.72	1.35	12	124	19.5	50	1,000
CB8046501		1.5	36/0.23	1.65	0.72	1.35	13	147	13.3	50	1,000
CB8046502		2.5	60/0.23	2.15	0.72	1.35	14	196	7.98	50	1,000
CB8046004		4	56/0.29	2.65	0.72	1.35	15	260	4.95	50	1,000
CB8046006		6	84/0.29	3.40	0.9	1.35	17	372	3.3	50	1,000



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: 600 V 70°C PVC INSULATED AND SHEATHED CONTROL CABLE NON-SHIELD

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CTW-FCVV 600V ( JIS C3401 )		Conductor			Thickness of Insulation	Thickness of Outer Sheath	Overall diameter (Approx.)	Cable weight (Approx.)	Maximum conductor resistance at 20 °C	Minimum insulation resistance at 20 °C	Standard packing
		Nominal Cross-sectional area	Number and diameter of wire	Diameter (Approx.)							
PRODUCT CODE	No. of Core	mm <sup>2</sup>	No. / mm	mm	mm	mm	kg/km	Ω/km	MΩ-km	m/R	
CB8056001	5	1	36/0.19	1.35	0.72	1.35	13	146	19.5	50	1,000
CB8056501		1.5	36/0.23	1.65	0.72	1.35	14	175	13.3	50	1,000
CB8056502		2.5	60/0.23	2.15	0.72	1.35	15	234	7.98	50	1,000
CB8056004		4	56/0.29	2.65	0.72	1.35	16	314	4.95	50	1,000
CB8056006		6	84/0.29	3.40	0.9	1.35	19	452	3.3	50	1,000
CB8066001	6	1	36/0.19	1.35	0.72	1.35	14	168	19.5	50	1,000
CB8066501		1.5	36/0.23	1.65	0.72	1.35	14	203	13.3	50	1,000
CB8066502		2.5	60/0.23	2.15	0.72	1.35	16	273	7.98	50	1,000
CB8066004		4	56/0.29	2.65	0.72	1.35	17	369	4.95	50	1,000
CB8066006		6	84/0.29	3.40	0.9	1.35	20	534	3.3	50	1,000
CB8076001	7	1	36/0.19	1.35	0.72	1.35	14	182	19.5	50	1,000
CB8076501		1.5	36/0.23	1.65	0.72	1.35	14	220	13.3	50	1,000
CB8076502		2.5	60/0.23	2.15	0.72	1.35	16	299	7.98	50	1,000
CB8076004		4	56/0.29	2.65	0.72	1.35	17	406	4.95	50	1,000
CB8076006		6	84/0.29	3.40	0.9	1.35	20	592	3.3	50	1,000
CB8086001	8	1	36/0.19	1.35	0.72	1.35	14	205	19.5	50	1,000
CB8086501		1.5	36/0.23	1.65	0.72	1.35	15	248	13.3	50	1,000
CB8086502		2.5	60/0.23	2.15	0.72	1.35	17	340	7.98	50	1,000
CB8086004		4	56/0.29	2.65	0.72	1.35	18	464	4.95	50	1,000
CB8086006		6	84/0.29	3.40	0.9	1.35	21	677	3.3	50	1,000
CB8096001	9	1	36/0.19	1.35	0.72	1.35	15	228	19.5	50	1,000
CB8096501		1.5	36/0.23	1.65	0.72	1.35	16	278	13.3	50	1,000
CB8096502		2.5	60/0.23	2.15	0.72	1.35	18	381	7.98	50	1,000
CB8096004		4	56/0.29	2.65	0.72	1.35	20	521	4.95	50	1,000
CB8096006		6	84/0.29	3.40	0.9	1.35	23	763	3.3	50	1,000
CB8106001	10	1	36/0.19	1.35	0.72	1.35	16	257	19.5	50	1,000
CB8106501		1.5	36/0.23	1.65	0.72	1.35	18	312	13.3	50	1,000
CB8106502		2.5	60/0.23	2.15	0.72	1.35	19	429	7.98	50	1,000
CB8106004		4	56/0.29	2.65	0.72	1.35	21	585	4.95	50	1,000
CB8106006		6	84/0.29	3.40	0.9	1.44	25	868	3.3	50	1,000



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## CABLE TYPE : CTW - FCVV 600 V ( FLEXIBLE CONDUCTOR )

: 600 V 70°C PVC INSULATED AND SHEATHED CONTROL CABLE NON-SHIELD

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CTW-FCVV 600V ( JIS C3401 )		Conductor			Thickness of Insulation	Thickness of Outer Sheath	Overall diameter (Approx.)	Cable weight (Approx.)	Maximum conductor resistance at 20° C	Minimum insulation resistance at 20° C	Standard packing
		Nominal Cross-sectional area	Number and diameter of wire	Diameter (Approx.)							
PRODUCT CODE	No. of Core	mm <sup>2</sup>	No. / mm	mm	mm	mm	kg/km	Ω/km	MΩ-km	m/R	
CB8116001	11	1	36/0.19	1.35	0.72	1.35	16	269	19.5	50	1,000
CB8116501		1.5	36/0.23	1.65	0.72	1.35	18	329	13.3	50	1,000
CB8116502		2.5	60/0.23	2.15	0.72	1.35	19	454	7.98	50	1,000
CB8116004		4	56/0.29	2.65	0.72	1.35	21	624	4.95	50	1,000
CB8116006		6	84/0.29	3.40	0.9	1.44	25	926	3.3	50	1,000
CB8126001	12	1	36/0.19	1.35	0.72	1.35	17	288	19.5	50	1,000
CB8126501		1.5	36/0.23	1.65	0.72	1.35	18	353	13.3	50	1,000
CB8126502		2.5	60/0.23	2.15	0.72	1.35	20	489	7.98	50	1,000
CB8126004		4	56/0.29	2.65	0.72	1.35	22	673	4.95	50	1,000
CB8126006		6	84/0.29	3.40	0.9	1.53	26	1,010	3.3	50	1,000
CB8136001	13	1	36/0.19	1.35	0.72	1.35	18	311	19.5	50	1,000
CB8136501		1.5	36/0.23	1.65	0.72	1.35	19	382	13.3	50	1,000
CB8136502		2.5	60/0.23	2.15	0.72	1.35	21	529	7.98	50	1,000
CB8136004		4	56/0.29	2.65	0.72	1.35	23	730	4.95	50	1,000
CB8136006		6	84/0.29	3.40	0.9	1.53	28	1,096	3.3	50	1,000
CB8146001	14	1	36/0.19	1.35	0.72	1.35	18	324	19.5	50	1,000
CB8146501		1.5	36/0.23	1.65	0.72	1.35	19	399	13.3	50	1,000
CB8146502		2.5	60/0.23	2.15	0.72	1.35	21	555	7.98	50	1,000
CB8146004		4	56/0.29	2.65	0.72	1.35	23	767	4.95	50	1,000
CB8146006		6	84/0.29	3.40	0.9	1.53	28	1,155	3.3	50	1,000
CB8156001	15	1	36/0.19	1.35	0.72	1.35	18	349	19.5	50	1,000
CB8156501		1.5	36/0.23	1.65	0.72	1.35	20	429	13.3	50	1,000
CB8156502		2.5	60/0.23	2.15	0.72	1.35	22	598	7.98	50	1,000
CB8156004		4	56/0.29	2.65	0.72	1.35	24	828	4.95	50	1,000
CB8156006		6	84/0.29	3.40	0.9	1.53	29	1,246	3.3	50	1,000
CB8166001	16	1	36/0.19	1.35	0.72	1.35	18	362	19.5	50	1,000
CB8166501		1.5	36/0.23	1.65	0.72	1.35	20	446	13.3	50	1,000
CB8166502		2.5	60/0.23	2.15	0.72	1.35	22	623	7.98	50	1,000
CB8166004		4	56/0.29	2.65	0.72	1.44	24	875	4.95	50	1,000
CB8166006		6	84/0.29	3.40	0.9	1.62	29	1,314	3.3	50	1,000



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: 600 V 70°C PVC INSULATED AND SHEATHED CONTROL CABLE NON-SHIELD

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CTW-FCVV 600V ( JIS C3401 )		Conductor			Thickness of Insulation	Thickness of Outer Sheath	Overall diameter (Approx.)	Cable weight (Approx.)	Maximum conductor resistance at 20 °C	Minimum insulation resistance at 20 °C	Standard packing
		Nominal Cross-sectional area	Number and diameter of wire	Diameter (Approx.)							
PRODUCT CODE	No. of Core	mm <sup>2</sup>	No. / mm	mm	mm	mm	kg/km	Ω/km	MΩ-km	m/R	
CB8176001	17	1	36/0.19	1.35	0.72	1.35	19	365	19.5	50	1,000
CB8176501		1.5	36/0.23	1.65	0.72	1.35	21	451	13.3	50	1,000
CB8176502		2.5	60/0.23	2.15	0.72	1.35	23	633	7.98	50	1,000
CB8176004		4	56/0.29	2.65	0.72	1.44	25	891	4.95	50	1,000
CB8176006		6	84/0.29	3.40	0.9	1.62	31	1,339	3.3	50	1,000
CB8186001	18	1	36/0.19	1.35	0.72	1.35	19	381	19.5	50	1,000
CB8186501		1.5	36/0.23	1.65	0.72	1.35	21	471	13.3	50	1,000
CB8186502		2.5	60/0.23	2.15	0.72	1.35	23	662	7.98	50	1,000
CB8186004		4	56/0.29	2.65	0.72	1.44	25	935	4.95	50	1,000
CB8186006		6	84/0.29	3.40	0.9	1.62	31	1,406	3.3	50	1,000
CB8196001	19	1	36/0.19	1.35	0.72	1.35	19	396	19.5	50	1,000
CB8196501		1.5	36/0.23	1.65	0.72	1.35	21	491	13.3	50	1,000
CB8196502		2.5	60/0.23	2.15	0.72	1.35	23	692	7.98	50	1,000
CB8196004		4	56/0.29	2.65	0.72	1.44	25	979	4.95	50	1,000
CB8196006		6	84/0.29	3.40	0.9	1.62	31	1,473	3.3	50	1,000
CB8206001	20	1	36/0.19	1.35	0.72	1.35	20	417	19.5	50	1,000
CB8206501		1.5	36/0.23	1.65	0.72	1.35	21	517	13.3	50	1,000
CB8206502		2.5	60/0.23	2.15	0.72	1.35	24	729	7.98	50	1,000
CB8206004		4	56/0.29	2.65	0.72	1.44	26	1,030	4.95	50	1,000
CB8206006		6	84/0.29	3.40	0.9	1.62	33	1,563	3.3	50	1,000
CB8216001	21	1	36/0.19	1.35	0.72	1.35	20	433	19.5	50	1,000
CB8216501		1.5	36/0.23	1.65	0.72	1.35	21	537	13.3	50	1,000
CB8216502		2.5	60/0.23	2.15	0.72	1.35	24	759	7.98	50	1,000
CB8216004		4	56/0.29	2.65	0.72	1.44	26	1,074	4.95	50	1,000
CB8216006		6	84/0.29	3.40	0.9	1.62	33	1,630	3.3	50	1,000
CB8226001	22	1	36/0.19	1.35	0.72	1.35	21	454	19.5	50	1,000
CB8226501		1.5	36/0.23	1.65	0.72	1.35	22	563	13.3	50	1,000
CB8226502		2.5	60/0.23	2.15	0.72	1.35	25	795	7.98	50	1,000
CB8226004		4	56/0.29	2.65	0.72	1.44	28	1,126	4.95	50	1,000
CB8226006		6	84/0.29	3.40	0.9	1.62	34	1,709	3.3	50	1,000



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CTW-FCVV 600V ( JIS C3401 )		Conductor			Thickness of Insulation	Thickness of Outer Sheath	Overall diameter (Approx.)	Cable weight (Approx.)	Maximum conductor resistance at 20 °C	Minimum insulation resistance at 20 °C	Standard packing
		Nominal Cross-sectional area	Number and diameter of wire	Diameter (Approx.)							
PRODUCT CODE	No. of Core	mm <sup>2</sup>	No. / mm	mm	mm	mm	kg/km	Ω/km	MΩ·km	m/R	
CB8236001	23	1	36/0.19	1.35	0.72	1.35	21	469	19.5	50	1,000
CB8236501		1.5	36/0.23	1.65	0.72	1.35	22	583	13.3	50	1,000
CB8236502		2.5	60/0.23	2.15	0.72	1.35	25	825	7.98	50	1,000
CB8236004		4	56/0.29	2.65	0.72	1.44	28	1,169	4.95	50	1,000
CB8236006		6	84/0.29	3.40	0.9	1.62	34	1,776	3.3	50	1,000
CB8246001	24	1	36/0.19	1.35	0.72	1.35	22	492	19.5	50	1,000
CB8246501		1.5	36/0.23	1.65	0.72	1.35	24	610	13.3	50	1,000
CB8246502		2.5	60/0.23	2.15	0.72	1.44	27	873	7.98	50	1,000
CB8246004		4	56/0.29	2.65	0.72	1.62	30	1,245	4.95	50	1,000
CB8246006		6	84/0.29	3.40	0.9	1.62	36	1,857	3.3	50	1,000
CB8256001	25	1	36/0.19	1.35	0.72	1.35	22	507	19.5	50	1,000
CB8256501		1.5	36/0.23	1.65	0.72	1.35	24	630	13.3	50	1,000
CB8256502		2.5	60/0.23	2.15	0.72	1.44	27	903	7.98	50	1,000
CB8256004		4	56/0.29	2.65	0.72	1.62	30	1,289	4.95	50	1,000
CB8256006		6	84/0.29	3.40	0.9	1.62	36	1,924	3.3	50	1,000
CB8266001	26	1	36/0.19	1.35	0.72	1.35	22	522	19.5	50	1,000
CB8266501		1.5	36/0.23	1.65	0.72	1.35	24	650	13.3	50	1,000
CB8266502		2.5	60/0.23	2.15	0.72	1.44	27	933	7.98	50	1,000
CB8266004		4	56/0.29	2.65	0.72	1.62	30	1,333	4.95	50	1,000
CB8266006		6	84/0.29	3.40	0.9	1.62	36	1,991	3.3	50	1,000
CB8276001	27	1	36/0.19	1.35	0.72	1.35	22	541	19.5	50	1,000
CB8276501		1.5	36/0.23	1.65	0.72	1.35	24	673	13.3	50	1,000
CB8276502		2.5	60/0.23	2.15	0.72	1.53	28	977	7.98	50	1,000
CB8276004		4	56/0.29	2.65	0.72	1.62	31	1,381	4.95	50	1,000
CB8276006		6	84/0.29	3.40	0.9	1.62	37	2,064	3.3	50	1,000
CB8286001	28	1	36/0.19	1.35	0.72	1.35	23	561	19.5	50	1,000
CB8286501		1.5	36/0.23	1.65	0.72	1.35	25	698	13.3	50	1,000
CB8286502		2.5	60/0.23	2.15	0.72	1.53	29	1013	7.98	50	1,000
CB8286004		4	56/0.29	2.65	0.72	1.62	32	1,444	4.95	50	1,000
CB8286006		6	84/0.29	3.40	0.9	1.62	38	2,141	3.3	50	1,000

