

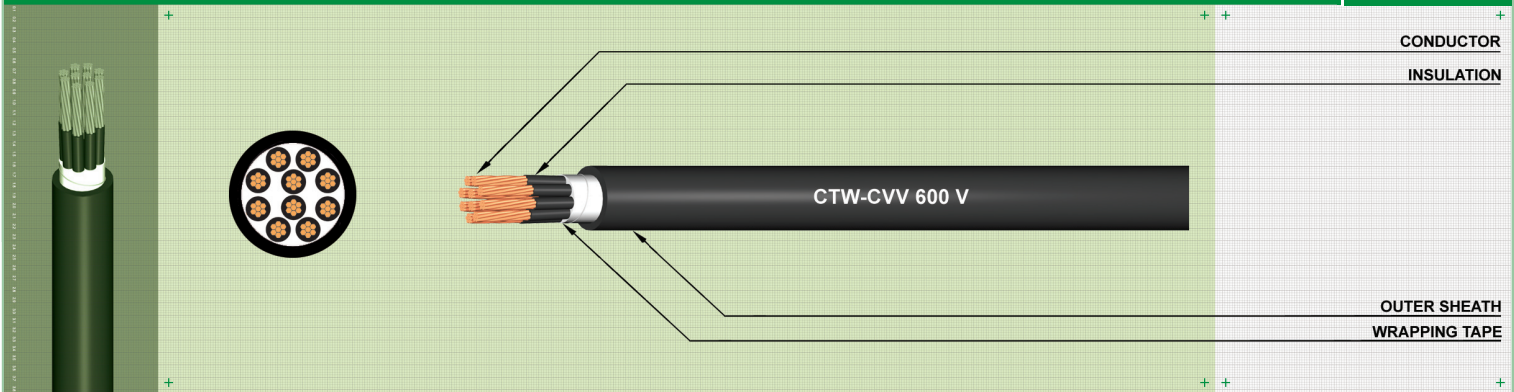


# CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

## CABLE TYPE : CTW-CVV 600 V ( STRANDED 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 lay strand 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

IEC 60502-1.  
 \*Testing Voltage : 3.5 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 - CVV 600V ( IEC 60502-1 )		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	
CB0024501	2	1.5	7/0.50	1.50	0.8	1.8	12.0	150	12.10	12.2	1,000
CB0024502		2.5	7/0.67	2.01	0.8	1.8	13.0	190	7.41	9.9	1,000
CB0024004		4	7/0.85	2.55	1.0	1.8	15.0	270	4.61	9.7	1,000
CB0024006		6	7/1.04	3.12	1.0	1.8	16.5	330	3.08	8.3	1,000
CB0024010		10	7/1.35	4.05	1.0	1.8	18.5	460	1.83	6.8	1,000
CB0034501	3	1.5	7/0.50	1.50	0.8	1.8	12.5	170	12.10	12.2	1,000
CB0034502		2.5	7/0.67	2.01	0.8	1.8	13.5	230	7.41	9.9	1,000
CB0034004		4	7/0.85	2.55	1.0	1.8	16.0	320	4.61	9.7	1,000
CB0034006		6	7/1.04	3.12	1.0	1.8	17.5	410	3.08	8.3	1,000
CB0034010		10	7/1.35	4.05	1.0	1.8	19.5	580	1.83	6.8	1,000
CB0044501	4	1.5	7/0.50	1.50	0.8	1.8	13.5	210	12.10	12.2	1,000
CB0044502		2.5	7/0.67	2.01	0.8	1.8	14.5	280	7.41	9.9	1,000
CB0044004		4	7/0.85	2.55	1.0	1.8	17.5	400	4.61	9.7	1,000
CB0044006		6	7/1.04	3.12	1.0	1.8	19.0	510	3.08	8.3	1,000
CB0044010		10	7/1.35	4.05	1.0	1.8	21.0	730	1.83	6.8	1,000



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## CABLE TYPE : CTW-CVV 600 V ( STRANDED CONDUCTOR )

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

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CTW - CVV 600V ( IEC 60502-1 )		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	
CB0054501	5	1.5	7/0.50	1.50	0.8	1.8	14.5	240	12.10	12.2	1,000
CB0054502		2.5	7/0.67	2.01	0.8	1.8	16.0	320	7.41	9.9	1,000
CB0054004		4	7/0.85	2.55	1.0	1.8	19.0	460	4.61	9.7	1,000
CB0054006		6	7/1.04	3.12	1.0	1.8	20.5	600	3.08	8.3	1,000
CB0054010		10	7/1.35	4.05	1.0	1.8	23.0	860	1.83	6.8	1,000
CB0064501	6	1.5	7/0.50	1.50	0.8	1.8	15.5	280	12.10	12.2	1,000
CB0064502		2.5	7/0.67	2.01	0.8	1.8	17.5	380	7.41	9.9	1,000
CB0064004		4	7/0.85	2.55	1.0	1.8	20.5	550	4.61	9.7	1,000
CB0064006		6	7/1.04	3.12	1.0	1.8	22.0	710	3.08	8.3	1,000
CB0064010		10	7/1.35	4.05	1.0	1.8	25.5	1,030	1.83	6.8	1,000
CB0074501	7	1.5	7/0.50	1.50	0.8	1.8	15.5	290	12.10	12.2	1,000
CB0074502		2.5	7/0.67	2.01	0.8	1.8	17.5	400	7.41	9.9	1,000
CB0074004		4	7/0.85	2.55	1.0	1.8	20.5	590	4.61	9.7	1,000
CB0074006		6	7/1.04	3.12	1.0	1.8	22.0	760	3.08	8.3	1,000
CB0074010		10	7/1.35	4.05	1.0	1.8	25.5	1,110	1.83	6.8	1,000
CB0084501	8	1.5	7/0.50	1.50	0.8	1.8	16.5	330	12.10	12.2	1,000
CB0084502		2.5	7/0.67	2.01	0.8	1.8	18.5	460	7.41	9.9	1,000
CB0084004		4	7/0.85	2.55	1.0	1.8	22.0	670	4.61	9.7	1,000
CB0084006		6	7/1.04	3.12	1.0	1.8	24.0	880	3.08	8.3	1,000
CB0084010		10	7/1.35	4.05	1.0	1.8	27.5	1,280	1.83	6.8	1,000
CB0094501	9	1.5	7/0.50	1.50	0.8	1.8	18.0	380	12.10	12.2	1,000
CB0094502		2.5	7/0.67	2.01	0.8	1.8	20.0	520	7.41	9.9	1,000
CB0094004		4	7/0.85	2.55	1.0	1.8	23.5	760	4.61	9.7	1,000
CB0094006		6	7/1.04	3.12	1.0	1.8	26.0	990	3.08	8.3	1,000
CB0094010		10	7/1.35	4.05	1.0	1.8	29.5	1,450	1.83	6.8	1,000
CB0104501	10	1.5	7/0.50	1.50	0.8	1.8	19.0	420	12.10	12.2	1,000
CB0104502		2.5	7/0.67	2.01	0.8	1.8	21.5	580	7.41	9.9	1,000
CB0104004		4	7/0.85	2.55	1.0	1.8	25.5	860	4.61	9.7	1,000
CB0104006		6	7/1.04	3.12	1.0	1.8	28.0	1,120	3.08	8.3	1,000
CB0104010		10	7/1.35	4.05	1.0	1.9	32.5	1,650	1.83	6.8	500



# CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

## CABLE TYPE : CTW-CVV 600 V ( STRANDED CONDUCTOR )

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

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CTW - CVV 600V ( IEC 60502-1 )		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	
CB0114501	11	1.5	7/0.50	1.50	0.8	1.8	19.0	440	12.10	12.2	1,000
CB0114502		2.5	7/0.67	2.01	0.8	1.8	21.5	620	7.41	9.9	1,000
CB0114004		4	7/0.85	2.55	1.0	1.8	25.5	910	4.61	9.7	1,000
CB0114006		6	7/1.04	3.12	1.0	1.8	28.0	1,200	3.08	8.3	1,000
CB0114010		10	7/1.35	4.05	1.0	1.9	32.5	1,770	1.83	6.8	500
CB0124501	12	1.5	7/0.50	1.50	0.8	1.8	20.0	470	12.10	12.2	1,000
CB0124502		2.5	7/0.67	2.01	0.8	1.8	22.0	660	7.41	9.9	1,000
CB0124004		4	7/0.85	2.55	1.0	1.8	26.5	980	4.61	9.7	1,000
CB0124006		6	7/1.04	3.12	1.0	1.8	29.0	1,280	3.08	8.3	1,000
CB0124010		10	7/1.35	4.05	1.0	1.9	33.5	1,900	1.83	6.8	500
CB0134501	13	1.5	7/0.50	1.50	0.8	1.8	20.0	500	12.10	12.2	1,000
CB0134502		2.5	7/0.67	2.01	0.8	1.8	22.5	700	7.41	9.9	1,000
CB0134004		4	7/0.85	2.55	1.0	1.8	27.0	1,040	4.61	9.7	1,000
CB0134006		6	7/1.04	3.12	1.0	1.8	29.5	1,370	3.08	8.3	1,000
CB0134010		10	7/1.35	4.05	1.0	1.9	34.0	2,030	1.83	6.8	500
CB0144501	14	1.5	7/0.50	1.50	0.8	1.8	21.0	530	12.10	12.2	1,000
CB0144502		2.5	7/0.67	2.01	0.8	1.8	23.5	750	7.41	9.9	1,000
CB0144004		4	7/0.85	2.55	1.0	1.8	28.0	1,120	4.61	9.7	1,000
CB0144006		6	7/1.04	3.12	1.0	1.8	30.5	1,470	3.08	8.3	1,000
CB0144010		10	7/1.35	4.05	1.0	2.0	35.5	2,200	1.83	6.8	500
CB0154501	15	1.5	7/0.50	1.50	0.8	1.8	21.5	560	12.10	12.2	1,000
CB0154502		2.5	7/0.67	2.01	0.8	1.8	24.0	800	7.41	9.9	1,000
CB0154004		4	7/0.85	2.55	1.0	1.8	28.5	1,180	4.61	9.7	1,000
CB0154006		6	7/1.04	3.12	1.0	1.9	31.5	1,570	3.08	8.3	1,000
CB0154010		10	7/1.35	4.05	1.0	2.0	36.5	2,340	1.83	6.8	500
CB0164501	16	1.5	7/0.50	1.50	0.8	1.8	22.0	590	12.10	12.2	1,000
CB0164502		2.5	7/0.67	2.01	0.8	1.8	24.5	830	7.41	9.9	1,000
CB0164004		4	7/0.85	2.55	1.0	1.8	29.5	1,250	4.61	9.7	1,000
CB0164006		6	7/1.04	3.12	1.0	1.9	32.5	1,660	3.08	8.3	1,000
CB0164010		10	7/1.35	4.05	1.0	2.0	37.5	2,460	1.83	6.8	500



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## CABLE TYPE : **CTW-CVV 600 V ( STRANDED CONDUCTOR )**

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

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CTW : CVV 600V ( IEC 60502-1 )		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	
CB0174501	17	1.5	7/0.50	1.50	0.8	1.8	22.5	630	12.10	12.2	1,000
CB0174502		2.5	7/0.67	2.01	0.8	1.8	25.0	880	7.41	9.9	1,000
CB0174004		4	7/0.85	2.55	1.0	1.8	30.0	1,320	4.61	9.7	1,000
CB0174006		6	7/1.04	3.12	1.0	1.9	33.5	1,760	3.08	8.3	1,000
CB0174010		10	7/1.35	4.05	1.0	2.1	39.0	2,630	1.83	6.8	500
CB0184501	18	1.5	7/0.50	1.50	0.8	1.8	23.0	660	12.10	12.2	1,000
CB0184502		2.5	7/0.67	2.01	0.8	1.8	26.0	930	7.41	9.9	1,000
CB0184004		4	7/0.85	2.55	1.0	1.8	31.0	1,400	4.61	9.7	1,000
CB0184006		6	7/1.04	3.12	1.0	1.9	34.5	1,860	3.08	8.3	500
CB0184010		10	7/1.35	4.05	1.0	2.1	40.0	2,790	1.83	6.8	500
CB0194501	19	1.5	7/0.50	1.50	0.8	1.8	23.0	670	12.10	12.2	1,000
CB0194502		2.5	7/0.67	2.01	0.8	1.8	26.0	950	7.41	9.9	1,000
CB0194004		4	7/0.85	2.55	1.0	1.8	31.0	1,430	4.61	9.7	1,000
CB0194006		6	7/1.04	3.12	1.0	1.9	34.5	1,910	3.08	8.3	500
CB0194010		10	7/1.35	4.05	1.0	2.1	40.0	2,870	1.83	6.8	500
CB0204501	20	1.5	7/0.50	1.50	0.8	1.8	23.5	710	12.10	12.2	1,000
CB0204502		2.5	7/0.67	2.01	0.8	1.8	26.5	1,000	7.41	9.9	1,000
CB0204004		4	7/0.85	2.55	1.0	1.9	32.0	1,520	4.61	9.7	1,000
CB0204006		6	7/1.04	3.12	1.0	2.0	35.5	2,030	3.08	8.3	500
CB0204010		10	7/1.35	4.05	1.0	2.1	41.0	3,020	1.83	6.8	500
CB0214501	21	1.5	7/0.50	1.50	0.8	1.8	24.0	740	12.10	12.2	1,000
CB0214502		2.5	7/0.67	2.01	0.8	1.8	27.0	1,050	7.41	9.9	1,000
CB0214004		4	7/0.85	2.55	1.0	1.9	33.0	1,590	4.61	9.7	1,000
CB0214006		6	7/1.04	3.12	1.0	2.0	36.5	2,120	3.08	8.3	500
CB0214010		10	7/1.35	4.05	1.0	2.2	42.0	3,170	1.83	6.8	500
CB0224501	22	1.5	7/0.50	1.50	0.8	1.8	25.0	770	12.10	12.2	1,000
CB0224502		2.5	7/0.67	2.01	0.8	1.8	28.0	1,100	7.41	9.9	1,000
CB0224004		4	7/0.85	2.55	1.0	1.9	34.0	1,660	4.61	9.7	1,000
CB0224006		6	7/1.04	3.12	1.0	2.0	37.5	2,220	3.08	8.3	500
CB0224010		10	7/1.35	4.05	1.0	2.2	43.5	3,330	1.83	6.8	500



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## CABLE TYPE : CTW-CVV 600 V ( STRANDED CONDUCTOR )

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

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CTW - CVV 600V ( IEC 60502-1 )		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	
CB0234501	23	1.5	7/0.50	1.50	0.8	1.8	25.5	800	12.10	12.2	1,000
CB0234502		2.5	7/0.67	2.01	0.8	1.8	28.5	1,140	7.41	9.9	1,000
CB0234004		4	7/0.85	2.55	1.0	1.9	34.5	1,730	4.61	9.7	500
CB0234006		6	7/1.04	3.12	1.0	2.1	38.5	2,330	3.08	8.3	500
CB0234010		10	7/1.35	4.05	1.0	2.2	44.5	3,470	1.83	6.8	500
CB0244501	24	1.5	7/0.50	1.50	0.8	1.8	26.5	860	12.10	12.2	1,000
CB0244502		2.5	7/0.67	2.01	0.8	1.8	30.0	1,230	7.41	9.9	1,000
CB0244004		4	7/0.85	2.55	1.0	2.0	36.5	1,870	4.61	9.7	500
CB0244006		6	7/1.04	3.12	1.0	2.1	40.5	2,490	3.08	8.3	500
CB0244010		10	7/1.35	4.05	1.0	2.3	47.5	3,730	1.83	6.8	500
CB0254501	25	1.5	7/0.50	1.50	0.8	1.8	26.5	880	12.10	12.2	1,000
CB0254502		2.5	7/0.67	2.01	0.8	1.8	30.0	1,260	7.41	9.9	1,000
CB0254004		4	7/0.85	2.55	1.0	2.0	36.5	1,930	4.61	9.7	500
CB0254006		6	7/1.04	3.12	1.0	2.1	40.0	2,570	3.08	8.3	500
CB0254010		10	7/1.35	4.05	1.0	2.3	47.0	3,840	1.83	6.8	500
CB0264501	26	1.5	7/0.50	1.50	0.8	1.8	26.5	900	12.10	12.2	1,000
CB0264502		2.5	7/0.67	2.01	0.8	1.8	30.0	1,290	7.41	9.9	1,000
CB0264004		4	7/0.85	2.55	1.0	2.0	36.5	1,980	4.61	9.7	500
CB0264006		6	7/1.04	3.12	1.0	2.1	40.0	2,640	3.08	8.3	500
CB0264010		10	7/1.35	4.05	1.0	2.3	47.0	3,950	1.83	6.8	500
CB0274501	27	1.5	7/0.50	1.50	0.8	1.8	27.0	930	12.10	12.2	1,000
CB0274502		2.5	7/0.67	2.01	0.8	1.8	30.5	1,340	7.41	9.9	1,000
CB0274004		4	7/0.85	2.55	1.0	2.0	37.5	2,040	4.61	9.7	500
CB0274006		6	7/1.04	3.12	1.0	2.2	41.0	2,750	3.08	8.3	500
CB0274010		10	7/1.35	4.05	1.0	2.4	48.0	4,110	1.83	6.8	500
CB0284501	28	1.5	7/0.50	1.50	0.8	1.8	27.5	960	12.10	12.2	1,000
CB0284502		2.5	7/0.67	2.01	0.8	1.8	30.5	1,370	7.41	9.9	1,000
CB0284004		4	7/0.85	2.55	1.0	2.0	37.5	2,100	4.61	9.7	500
CB0284006		6	7/1.04	3.12	1.0	2.2	41.5	2,830	3.08	8.3	500
CB0284010		10	7/1.35	4.05	1.0	2.4	48.0	4,230	1.83	6.8	500

