

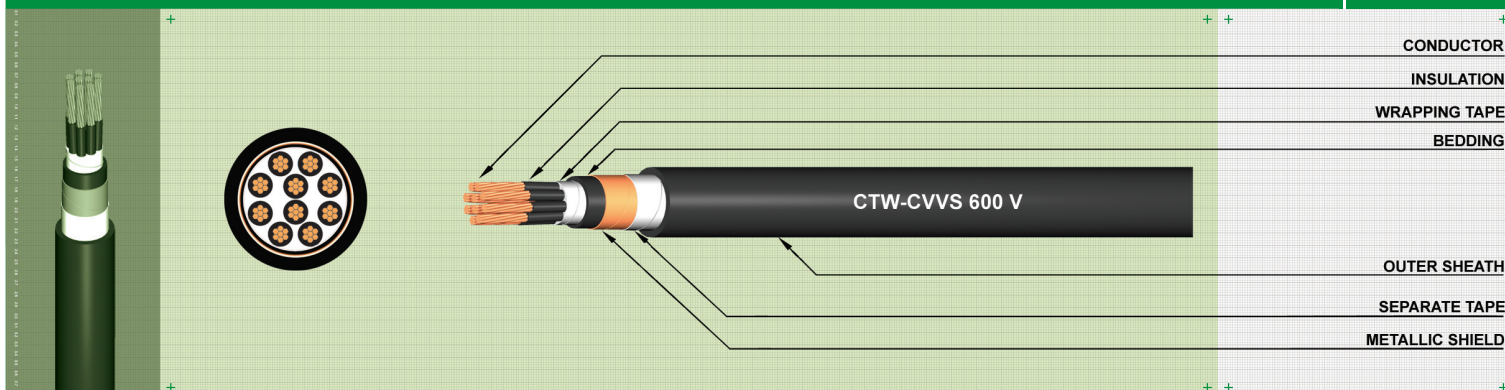


CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : CTW-CVVS 600 V (STRANDED CONDUCTOR)

: 600 V 70°C PVC INSULATED AND SHEATHED CONTROL CABLE WITH SHIELD TAPE

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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.
 Wrapping Tape : Polyester (Mylar) tape.
 Filler : PVC Rod and/or Polypropylene (Nonhygroscopic material).
 Wrapping Tape : Polyester (Mylar) tape.
 Bedding : Black polyvinyl chloride (PVC) .
 Metallic shield : Annealed copper tape.
 Separator Tape : Polyester (Mylar) tape.
 Outer Sheath : Black polyvinyl chloride (PVC) .

*** 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 - CVVS 600V (IEC 60502-1)		Conductor			Thickness of Insulation	Thickness of bedding Sheath	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 ²	No. / mm	mm	mm	mm	mm	mm	kg/km	Ω/km	MΩ-km	m/R
CB3024501	2	1.5	7/0.50	1.50	0.8	1.0	1.8	14.5	250	12.10	12.2	1,000
CB3024502		2.5	7/0.67	2.01	0.8	1.0	1.8	15.5	300	7.41	9.9	1,000
CB3024004		4	7/0.85	2.55	1.0	1.0	1.8	18.0	390	4.61	9.7	1,000
CB3024006		6	7/1.04	3.12	1.0	1.0	1.8	19.0	470	3.08	8.3	1,000
CB3024010		10	7/1.35	4.05	1.0	1.0	1.8	21.0	610	1.83	6.8	1,000
CB3034501	3	1.5	7/0.50	1.50	0.8	1.0	1.8	15.0	270	12.10	12.2	1,000
CB3034502		2.5	7/0.67	2.01	0.8	1.0	1.8	16.5	340	7.41	9.9	1,000
CB3034004		4	7/0.85	2.55	1.0	1.0	1.8	18.5	450	4.61	9.7	1,000
CB3034006		6	7/1.04	3.12	1.0	1.0	1.8	20.0	550	3.08	8.3	1,000
CB3034010		10	7/1.35	4.05	1.0	1.0	1.8	22.0	740	1.83	6.8	1,000
CB3044501	4	1.5	7/0.50	1.50	0.8	1.0	1.8	16.0	320	12.10	12.2	1,000
CB3044502		2.5	7/0.67	2.01	0.8	1.0	1.8	17.5	400	7.41	9.9	1,000
CB3044004		4	7/0.85	2.55	1.0	1.0	1.8	20.0	540	4.61	9.7	1,000
CB3044006		6	7/1.04	3.12	1.0	1.0	1.8	21.5	660	3.08	8.3	1,000
CB3044010		10	7/1.35	4.05	1.0	1.0	1.8	24.0	900	1.83	6.8	1,000



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CABLE TYPE : CTW-CVVS 600 V (STRANDED CONDUCTOR)

: 600 V 70°C PVC INSULATED AND SHEATHED CONTROL CABLE WITH SHIELD TAPE

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CTW : CVVS 600V (IEC 60502-1)		Conductor			Thickness of Insulation	Thickness of bedding Sheath	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 ²	No. / mm	mm	mm	mm	mm	mm	kg/km	Ω/km	MΩ-km	m/R
CB3054501	5	1.5	1.50	0.8	1.0	1.8	17.5	360	12.10	12.10	12.2	1,000
CB3054502		2.5	2.01	0.8	1.0	1.8	18.5	450	7.41	7.41	9.9	1,000
CB3054004		4	2.55	1.0	1.0	1.8	21.5	620	4.61	4.61	9.7	1,000
CB3054006		6	3.12	1.0	1.0	1.8	23.0	760	3.08	3.08	8.3	1,000
CB3054010		10	4.05	1.0	1.0	1.8	26.0	1,050	1.83	1.83	6.8	1,000
CB3064501	6	1.5	1.50	0.8	1.0	1.8	18.5	410	12.10	12.10	12.2	1,000
CB3064502		2.5	2.01	0.8	1.0	1.8	20.0	520	7.41	7.41	9.9	1,000
CB3064004		4	2.55	1.0	1.0	1.8	23.0	720	4.61	4.61	9.7	1,000
CB3064006		6	3.12	1.0	1.0	1.8	25.0	900	3.08	3.08	8.3	1,000
CB3064010		10	4.05	1.0	1.0	1.8	28.0	1,240	1.83	1.83	6.8	1,000
CB3074501	7	1.5	1.50	0.8	1.0	1.8	18.5	420	12.10	12.10	12.2	1,000
CB3074502		2.5	2.01	0.8	1.0	1.8	20.0	540	7.41	7.41	9.9	1,000
CB3074004		4	2.55	1.0	1.0	1.8	23.0	750	4.61	4.61	9.7	1,000
CB3074006		6	3.12	1.0	1.0	1.8	25.0	940	3.08	3.08	8.3	1,000
CB3074010		10	4.05	1.0	1.0	1.8	28.0	1,320	1.83	1.83	6.8	1,000
CB3084501	8	1.5	7/0.50	1.50	0.8	1.0	1.8	19.5	470	12.10	12.2	1,000
CB3084502		2.5	7/0.67	2.01	0.8	1.0	1.8	21.5	610	7.41	9.9	1,000
CB3084004		4	7/0.85	2.55	1.0	1.0	1.8	24.5	850	4.61	9.7	1,000
CB3084006		6	7/1.04	3.12	1.0	1.0	1.8	27.0	1,080	3.08	8.3	1,000
CB3084010		10	7/1.35	4.05	1.0	1.0	1.8	30.0	1,500	1.83	6.8	1,000
CB3094501	9	1.5	7/0.50	1.50	0.8	1.0	1.8	20.5	520	12.10	12.2	1,000
CB3094502		2.5	7/0.67	2.01	0.8	1.0	1.8	22.5	680	7.41	9.9	1,000
CB3094004		4	7/0.85	2.55	1.0	1.0	1.8	26.5	950	4.61	9.7	1,000
CB3094006		6	7/1.04	3.12	1.0	1.0	1.8	28.5	1,210	3.08	8.3	1,000
CB3094010		10	7/1.35	4.05	1.0	1.0	1.9	32.5	1,710	1.83	6.8	1,000
CB3104501	10	1.5	7/0.50	1.50	0.8	1.0	1.8	22.0	580	12.10	12.2	1,000
CB3104502		2.5	7/0.67	2.01	0.8	1.0	1.8	24.5	760	7.41	9.9	1,000
CB3104004		4	7/0.85	2.55	1.0	1.0	1.8	28.5	1,070	4.61	9.7	1,000
CB3104006		6	7/1.04	3.12	1.0	1.0	1.8	31.0	1,350	3.08	8.3	1,000
CB3104010		10	7/1.35	4.05	1.0	1.2	2.0	36.0	1,960	1.83	6.8	500

CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

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: 600 V 70°C PVC INSULATED AND SHEATHED CONTROL CABLE WITH SHIELD TAPE

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CTW : CVVS 600V (IEC 60502-1)		Conductor			Thickness of Insulation	Thickness of bedding Sheath	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 ²	No. / mm	mm	mm	mm	mm	mm	kg/km	Ω/km	MΩ-km	m/R
CB3174501	17	1.5	7/0.50	1.50	0.8	1.0	1.8	25.0	810	12.10	12.2	1,000
CB3174502		2.5	7/0.67	2.01	0.8	1.0	1.8	28.0	1,090	7.41	9.9	1,000
CB3174004		4	7/0.85	2.55	1.0	1.0	1.9	33.0	1,580	4.61	9.7	1,000
CB3174006		6	7/1.04	3.12	1.0	1.2	2.0	37.0	2,080	3.08	8.3	1,000
CB3174010		10	7/1.35	4.05	1.0	1.2	2.2	42.5	3,000	1.83	6.8	500
CB3184501	18	1.5	7/0.50	1.50	0.8	1.0	1.8	25.5	850	12.10	12.2	1,000
CB3184502		2.5	7/0.67	2.01	0.8	1.0	1.8	28.5	1,150	7.41	9.9	1,000
CB3184004		4	7/0.85	2.55	1.0	1.0	1.9	34.0	1,670	4.61	9.7	1,000
CB3184006		6	7/1.04	3.12	1.0	1.2	2.0	37.5	2,190	3.08	8.3	500
CB3184010		10	7/1.35	4.05	1.0	1.2	2.2	43.5	3,170	1.83	6.8	500
CB3194501	19	1.5	7/0.50	1.50	0.8	1.0	1.8	25.5	860	12.10	12.2	1,000
CB3194502		2.5	7/0.67	2.01	0.8	1.0	1.8	28.5	1,170	7.41	9.9	1,000
CB3194004		4	7/0.85	2.55	1.0	1.0	1.9	34.0	1,700	4.61	9.7	1,000
CB3194006		6	7/1.04	3.12	1.0	1.2	2.0	37.5	2,240	3.08	8.3	500
CB3194010		10	7/1.35	4.05	1.0	1.2	2.2	43.5	3,250	1.83	6.8	500
CB3204501	20	1.5	7/0.50	1.50	0.8	1.0	1.8	26.5	900	12.10	12.2	1,000
CB3204502		2.5	7/0.67	2.01	0.8	1.0	1.8	29.0	1,220	7.41	9.9	1,000
CB3204004		4	7/0.85	2.55	1.0	1.0	2.0	35.0	1,790	4.61	9.7	1,000
CB3204006		6	7/1.04	3.12	1.0	1.2	2.1	39.0	2,360	3.08	8.3	500
CB3204010		10	7/1.35	4.05	1.0	1.2	2.2	44.5	3,410	1.83	6.8	500
CB3214501	21	1.5	7/0.50	1.50	0.8	1.0	1.8	27.0	930	12.10	12.2	1,000
CB3214502		2.5	7/0.67	2.01	0.8	1.0	1.8	30.0	1,270	7.41	9.9	1,000
CB3214004		4	7/0.85	2.55	1.0	1.2	2.0	36.0	1,900	4.61	9.7	1,000
CB3214006		6	7/1.04	3.12	1.0	1.2	2.1	39.5	2,470	3.08	8.3	500
CB3214010		10	7/1.35	4.05	1.0	1.2	2.3	45.4	3,580	1.83	6.8	500
CB3224501	22	1.5	7/0.50	1.50	0.8	1.0	1.8	27.5	980	12.10	12.2	1,000
CB3224502		2.5	7/0.67	2.01	0.8	1.0	1.8	30.5	1,330	7.41	9.9	1,000
CB3224004		4	7/0.85	2.55	1.0	1.2	2.0	37.0	1,990	4.61	9.7	1,000
CB3224006		6	7/1.04	3.12	1.0	1.2	2.1	41.0	2,580	3.08	8.3	500
CB3224010		10	7/1.35	4.05	1.0	1.2	2.3	47.0	3,740	1.83	6.8	500



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CABLE TYPE : CTW-CVVS 600 V (STRANDED CONDUCTOR)

: 600 V 70 °C PVC INSULATED AND SHEATHED CONTROL CABLE WITH SHIELD TAPE

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CTW - CVVS 600V (IEC 60502-1)		Conductor			Thickness of Insulation	Thickness of bedding Sheath	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 ²	No. / mm	mm	mm	mm	mm	mm	kg/km	Ω/km	MΩ-km	m/R
CB3234501	23	1.5	7/0.50	1.50	0.8	1.0	1.8	28.0	1,010	12.10	12.2	1,000
CB3234502		2.5	7/0.67	2.01	0.8	1.0	1.9	31.5	1,390	7.41	9.9	1,000
CB3234004		4	7/0.85	2.55	1.0	1.2	2.1	38.0	2,080	4.61	9.7	500
CB3234006		6	7/1.04	3.12	1.0	1.2	2.2	42.0	2,700	3.08	8.3	500
CB3234010		10	7/1.35	4.05	1.0	1.4	2.4	48.5	3,960	1.83	6.8	500
CB3244501	24	1.5	7/0.50	1.50	0.8	1.0	1.8	29.5	1,080	12.10	12.2	1,000
CB3244502		2.5	7/0.67	2.01	0.8	1.0	1.9	32.8	1,480	7.41	9.9	1,000
CB3244004		4	7/0.85	2.55	1.0	1.2	2.1	40.0	2,220	4.61	9.7	500
CB3244006		6	7/1.04	3.12	1.0	1.2	2.2	44.0	2,880	3.08	8.3	500
CB3244010		10	7/1.35	4.05	1.0	1.4	2.4	51.0	4,220	1.83	6.8	500
CB3254501	25	1.5	7/0.50	1.50	0.8	1.0	1.8	29.5	1,100	12.10	12.2	1,000
CB3254502		2.5	7/0.67	2.01	0.8	1.0	1.9	33.0	1,520	7.41	9.9	1,000
CB3254004		4	7/0.85	2.55	1.0	1.2	2.1	40.0	2,280	4.61	9.7	500
CB3254006		6	7/1.04	3.12	1.0	1.2	2.2	44.0	2,950	3.08	8.3	500
CB3254010		10	7/1.35	4.05	1.0	1.4	2.4	51.0	4,330	1.83	6.8	500
CB3264501	26	1.5	7/0.50	1.50	0.8	1.0	1.8	29.5	1,120	12.10	12.2	1,000
CB3264502		2.5	7/0.67	2.01	0.8	1.0	1.9	33.0	1,550	7.41	9.9	1,000
CB3264004		4	7/0.85	2.55	1.0	1.2	2.1	40.0	2,330	4.61	9.7	500
CB3264006		6	7/1.04	3.12	1.0	1.2	2.2	44.0	3,030	3.08	8.3	500
CB3264010		10	7/1.35	4.05	1.0	1.4	2.4	51.0	4,450	1.83	6.8	500
CB3274501	27	1.5	7/0.50	1.50	0.8	1.0	1.8	30.0	1,160	12.10	12.2	1,000
CB3274502		2.5	7/0.67	2.01	0.8	1.0	1.9	33.5	1,600	7.41	9.9	1,000
CB3274004		4	7/0.85	2.55	1.0	1.2	2.1	41.0	2,400	4.61	9.7	500
CB3274006		6	7/1.04	3.12	1.0	1.2	2.3	45.0	3,140	3.08	8.3	500
CB3274010		10	7/1.35	4.05	1.0	1.4	2.5	52.0	4,620	1.83	6.8	500
CB3284501	28	1.5	7/0.50	1.50	0.8	1.0	1.8	30.0	1,180	12.10	12.2	1,000
CB3284502		2.5	7/0.67	2.01	0.8	1.0	1.9	33.5	1,640	7.41	9.9	1,000
CB3284004		4	7/0.85	2.55	1.0	1.2	2.1	41.0	2,460	4.61	9.7	500
CB3284006		6	7/1.04	3.12	1.0	1.2	2.3	45.0	3,220	3.08	8.3	500
CB3284010		10	7/1.35	4.05	1.0	1.4	2.5	52.5	4,720	1.83	6.8	500

