

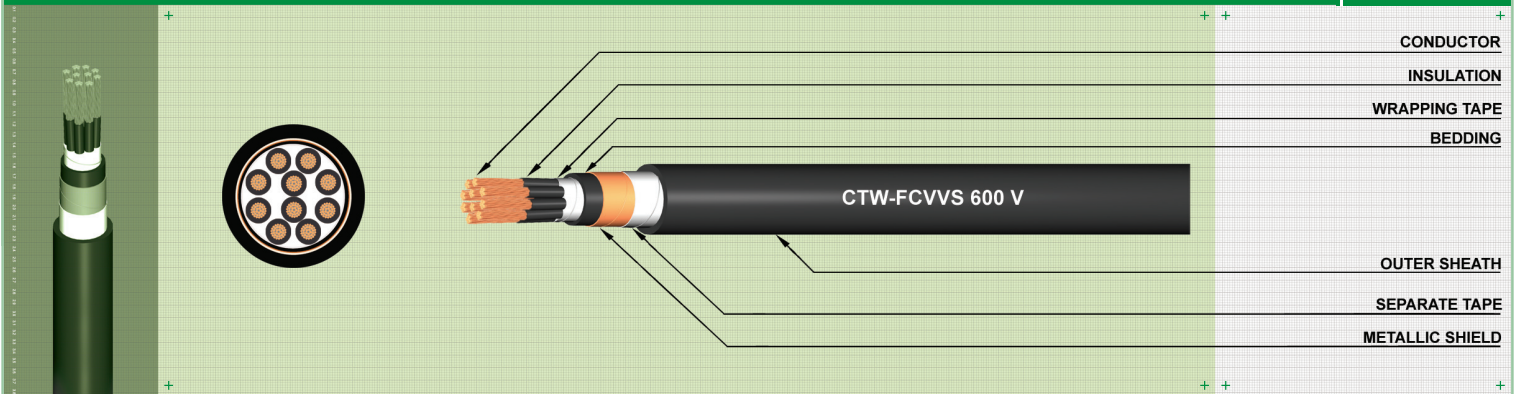


CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : CTW - FCVVS 600 V (FLEXIBLE 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 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.
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

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-FCVVS 600V (JIS C3401)		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
PRODUCT CODE	No. of Core	Nominal Cross-sectional area mm ²	Number and diameter of wire No. / mm	Diameter (Approx.) mm	mm	mm	mm	mm	kg/km	Ω/km	MΩ-km	m/R
CC1026001	2	1	36/0.19	1.35	0.72	1.0	1.35	13	155	19.5	50	1,000
CC1026501		1.5	36/0.23	1.65	0.72	1.0	1.35	14	172	13.3	50	1,000
CC1026502		2.5	60/0.23	2.15	0.72	1.0	1.35	15	206	7.98	50	1,000
CC1026004		4	56/0.29	2.65	0.72	1.0	1.35	16	247	4.95	50	1,000
CC1026006		6	84/0.29	3.40	0.9	1.0	1.35	17	324	3.3	50	1,000
CC1036001	3	1	36/0.19	1.35	0.72	1.0	1.35	14	175	19.5	50	1,000
CC1036501		1.5	36/0.23	1.65	0.72	1.0	1.35	14	196	13.3	50	1,000
CC1036502		2.5	60/0.23	2.15	0.72	1.0	1.35	15	241	7.98	50	1,000
CC1036004		4	56/0.29	2.65	0.72	1.0	1.35	16	297	4.95	50	1,000
CC1036006		6	84/0.29	3.40	0.9	1.0	1.35	18	398	3.3	50	1,000
CC1046001	4	1	36/0.19	1.35	0.72	1.0	1.35	14	200	19.5	50	1,000
CC1046501		1.5	36/0.23	1.65	0.72	1.0	1.35	15	228	13.3	50	1,000
CC1046502		2.5	60/0.23	2.15	0.72	1.0	1.35	16	284	7.98	50	1,000
CC1046004		4	56/0.29	2.65	0.72	1.0	1.35	17	355	4.95	50	1,000
CC1046006		6	84/0.29	3.40	0.9	1.0	1.35	19	483	3.3	50	1,000



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CTW-FCVVS 600V (JIS C3401)		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
CC1056001	5	1	36/0.19	1.35	0.72	1.0	1.35	15	227	19.5	50	1,000
CC1056501		1.5	36/0.23	1.65	0.72	1.0	1.35	16	261	13.3	50	1,000
CC1056502		2.5	60/0.23	2.15	0.72	1.0	1.35	17	329	7.98	50	1,000
CC1056004		4	56/0.29	2.65	0.72	1.0	1.35	18	417	4.95	50	1,000
CC1056006		6	84/0.29	3.40	0.9	1.0	1.35	21	573	3.3	50	1,000
CC1066001	6	1	36/0.19	1.35	0.72	1.0	1.35	16	255	19.5	50	1,000
CC1066501		1.5	36/0.23	1.65	0.72	1.0	1.35	17	295	13.3	50	1,000
CC1066502		2.5	60/0.23	2.15	0.72	1.0	1.35	18	375	7.98	50	1,000
CC1066004		4	56/0.29	2.65	0.72	1.0	1.35	20	480	4.95	50	1,000
CC1066006		6	84/0.29	3.40	0.9	1.0	1.35	22	665	3.3	50	1,000
CC1076001	7	1	36/0.19	1.35	0.72	1.0	1.35	16	269	19.5	50	1,000
CC1076501		1.5	36/0.23	1.65	0.72	1.0	1.35	17	312	13.3	50	1,000
CC1076502		2.5	60/0.23	2.15	0.72	1.0	1.35	18	401	7.98	50	1,000
CC1076004		4	56/0.29	2.65	0.72	1.0	1.35	20	518	4.95	50	1,000
CC1076006		6	84/0.29	3.40	0.9	1.0	1.35	22	723	3.3	50	1,000
CC1086001	8	1	36/0.19	1.35	0.72	1.0	1.35	17	297	19.5	50	1,000
CC1086501		1.5	36/0.23	1.65	0.72	1.0	1.35	18	347	13.3	50	1,000
CC1086502		2.5	60/0.23	2.15	0.72	1.0	1.35	19	449	7.98	50	1,000
CC1086004		4	56/0.29	2.65	0.72	1.0	1.35	21	583	4.95	50	1,000
CC1086006		6	84/0.29	3.40	0.9	1.0	1.35	24	817	3.3	50	1,000
CC1096001	9	1	36/0.19	1.35	0.72	1.0	1.35	18	327	19.5	50	1,000
CC1096501		1.5	36/0.23	1.65	0.72	1.0	1.35	19	384	13.3	50	1,000
CC1096502		2.5	60/0.23	2.15	0.72	1.0	1.35	20	498	7.98	50	1,000
CC1096004		4	56/0.29	2.65	0.72	1.0	1.35	22	649	4.95	50	1,000
CC1096006		6	84/0.29	3.40	0.9	1.0	1.35	25	914	3.3	50	1,000
CC1106001	10	1	36/0.19	1.35	0.72	1.0	1.35	19	362	19.5	50	1,000
CC1106501		1.5	36/0.23	1.65	0.72	1.0	1.35	20	425	13.3	50	1,000
CC1106502		2.5	60/0.23	2.15	0.72	1.0	1.35	22	555	7.98	50	1,000
CC1106004		4	56/0.29	2.65	0.72	1.0	1.35	23	724	4.95	50	1,000
CC1106006		6	84/0.29	3.40	0.9	1.0	1.44	28	1,033	3.3	50	1,000



CABLE TYPE : **CTW - FCVVS 600 V (FLEXIBLE CONDUCTOR)**

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60 Instrument & Control Cable

R = Packing in reel



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CTW-FCVVS 600V (JIS C3401)		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
PRODUCT CODE	No. of Core	Nominal Cross-sectional area	Number and diameter of wire	Diameter (Approx.)								
		mm ²	No. / mm	mm	mm	mm	mm	mm	kg/km	Ω/km	MΩ-km	m/R
CC1176001	17	1	36/0.19	1.35	0.72	1.0	1.35	21	491	19.5	50	1,000
CC1176501		1.5	36/0.23	1.65	0.72	1.0	1.35	23	586	13.3	50	1,000
CC1176502		2.5	60/0.23	2.15	0.72	1.0	1.35	25	783	7.98	50	1,000
CC1176004		4	56/0.29	2.65	0.72	1.0	1.44	28	1,058	4.95	50	1,000
CC1176006		6	84/0.29	3.40	0.9	1.0	1.62	33	1,569	3.3	50	1,000
CC1186001	18	1	36/0.19	1.35	0.72	1.0	1.35	21	506	19.5	50	1,000
CC1186501		1.5	36/0.23	1.65	0.72	1.0	1.35	23	606	13.3	50	1,000
CC1186502		2.5	60/0.23	2.15	0.72	1.0	1.35	25	813	7.98	50	1,000
CC1186004		4	56/0.29	2.65	0.72	1.0	1.44	28	1,102	4.95	50	1,000
CC1186006		6	84/0.29	3.40	0.9	1.0	1.62	33	1,636	3.3	50	1,000
CC1196001	19	1	36/0.19	1.35	0.72	1.0	1.35	21	522	19.5	50	1,000
CC1196501		1.5	36/0.23	1.65	0.72	1.0	1.35	23	626	13.3	50	1,000
CC1196502		2.5	60/0.23	2.15	0.72	1.0	1.35	25	843	7.98	50	1,000
CC1196004		4	56/0.29	2.65	0.72	1.0	1.44	28	1,146	4.95	50	1,000
CC1196006		6	84/0.29	3.40	0.9	1.0	1.62	33	1,703	3.3	50	1,000
CC1206001	20	1	36/0.19	1.35	0.72	1.0	1.35	22	548	19.5	50	1,000
CC1206501		1.5	36/0.23	1.65	0.72	1.0	1.35	24	658	13.3	50	1,000
CC1206502		2.5	60/0.23	2.15	0.72	1.0	1.35	26	887	7.98	50	1,000
CC1206004		4	56/0.29	2.65	0.72	1.0	1.44	29	1,206	4.95	50	1,000
CC1206006		6	84/0.29	3.40	0.9	1.0	1.62	35	1,807	3.3	50	1,000
CC1216001	21	1	36/0.19	1.35	0.72	1.0	1.35	22	564	19.5	50	1,000
CC1216501		1.5	36/0.23	1.65	0.72	1.0	1.35	24	678	13.3	50	1,000
CC1216502		2.5	60/0.23	2.15	0.72	1.0	1.35	26	917	7.98	50	1,000
CC1216004		4	56/0.29	2.65	0.72	1.0	1.44	29	1,250	4.95	50	1,000
CC1216006		6	84/0.29	3.40	0.9	1.0	1.62	35	1,875	3.3	50	1,000
CC1226001	22	1	36/0.19	1.35	0.72	1.0	1.35	23	591	19.5	50	1,000
CC1226501		1.5	36/0.23	1.65	0.72	1.0	1.35	25	711	13.3	50	1,000
CC1226502		2.5	60/0.23	2.15	0.72	1.0	1.35	28	961	7.98	50	1,000
CC1226004		4	56/0.29	2.65	0.72	1.0	1.44	30	1,310	4.95	50	1,000
CC1226006		6	84/0.29	3.40	0.9	1.0	1.62	37	1,965	3.3	50	1,000



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CTW-FCVVS 600V (JIS C3401)		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
CC1236001	23	1	36/0.19	1.35	0.72	1.0	1.35	23	606	19.5	50	1,000
CC1236501		1.5	36/0.23	1.65	0.72	1.0	1.35	25	731	13.3	50	1,000
CC1236502		2.5	60/0.23	2.15	0.72	1.0	1.35	28	991	7.98	50	1,000
CC1236004		4	56/0.29	2.65	0.72	1.0	1.44	30	1,354	4.95	50	1,000
CC1236006		6	84/0.29	3.40	0.9	1.0	1.62	37	2,032	3.3	50	1,000
CC1246001	24	1	36/0.19	1.35	0.72	1.0	1.35	24	636	19.5	50	1,000
CC1246501		1.5	36/0.23	1.65	0.72	1.0	1.35	26	766	13.3	50	1,000
CC1246502		2.5	60/0.23	2.15	0.72	1.0	1.44	29	1050	7.98	50	1,000
CC1246004		4	56/0.29	2.65	0.72	1.0	1.62	32	1,442	4.95	50	1,000
CC1246006		6	84/0.29	3.40	0.9	1.0	1.62	39	2,128	3.3	50	1,000
CC1256001	25	1	36/0.19	1.35	0.72	1.0	1.35	24	651	19.5	50	1,000
CC1256501		1.5	36/0.23	1.65	0.72	1.0	1.35	26	786	13.3	50	1,000
CC1256502		2.5	60/0.23	2.15	0.72	1.0	1.44	29	1080	7.98	50	1,000
CC1256004		4	56/0.29	2.65	0.72	1.0	1.62	32	1,486	4.95	50	1,000
CC1256006		6	84/0.29	3.40	0.9	1.0	1.62	39	2,196	3.3	50	1,000
CC1266001	26	1	36/0.19	1.35	0.72	1.0	1.35	24	667	19.5	50	1,000
CC1266501		1.5	36/0.23	1.65	0.72	1.0	1.35	26	806	13.3	50	1,000
CC1266502		2.5	60/0.23	2.15	0.72	1.0	1.44	29	1110	7.98	50	1,000
CC1266004		4	56/0.29	2.65	0.72	1.0	1.62	32	1,530	4.95	50	1,000
CC1266006		6	84/0.29	3.40	0.9	1.0	1.62	39	2,263	3.3	50	1,000
CC1276001	27	1	36/0.19	1.35	0.72	1.0	1.35	25	688	19.5	50	1,000
CC1276501		1.5	36/0.23	1.65	0.72	1.0	1.35	26	833	13.3	50	1,000
CC1276502		2.5	60/0.23	2.15	0.72	1.0	1.53	30	1158	7.98	50	1,000
CC1276004		4	56/0.29	2.65	0.72	1.0	1.62	33	1,611	4.95	50	1,000
CC1276006		6	84/0.29	3.40	0.9	1.0	1.62	39	2,342	3.3	50	1,000
CC1286001	28	1	36/0.19	1.35	0.72	1.0	1.35	25	713	19.5	50	1,000
CC1286501		1.5	36/0.23	1.65	0.72	1.0	1.35	28	863	13.3	50	1,000
CC1286502		2.5	60/0.23	2.15	0.72	1.0	1.53	31	1201	7.98	50	1,000
CC1286004		4	56/0.29	2.65	0.72	1.0	1.62	35	1684	4.95	50	1,000
CC1286006		6	84/0.29	3.40	0.9	1.0	1.62	41	2,428	3.3	50	1,000

