

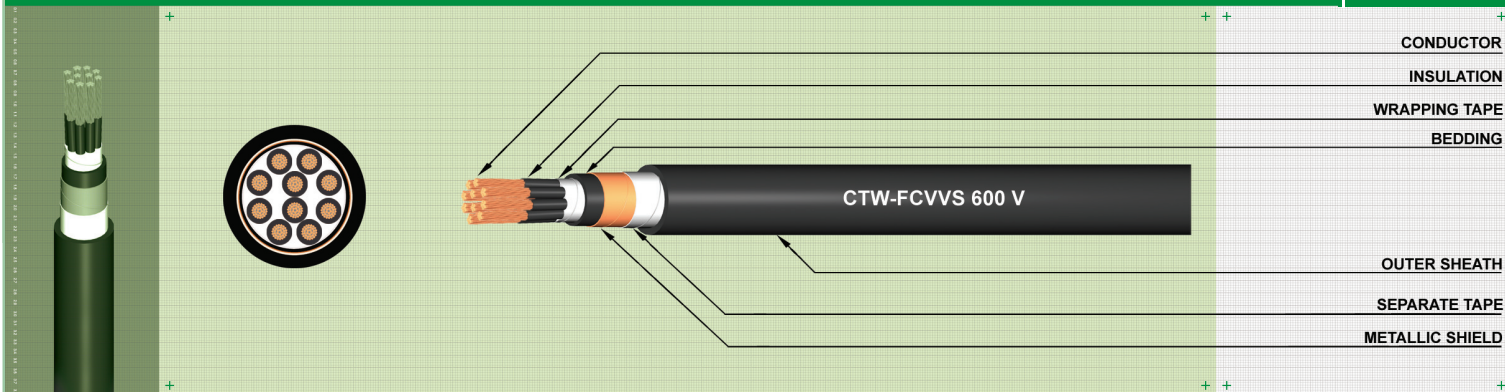


# CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

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

: 600 V 75°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

ICEA S-61-402 ( NEMA WC 5 ).  
\*Testing Voltage : 1.5, 3.0, 3.5 kV ( By Conductor Size ) .

### CLASSIFICATION

Maximum conductor temperature 75°C,  
Circuit voltage does not exceed 600 volts.

### OPTIONAL

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

CTW - FCVVS 600V (ICEA S-61-402)		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 15.6 °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	mm	kg/km	Ω/km	MΩ-km	m/R	
C19026005	2	0.5	16 / 0.20	0.95	0.76	1.14	1.14	10.5	160	39.0	272	1,000
C19026075		0.75	24 / 0.20	1.15	0.76	1.14	1.14	11.0	180	26.0	239	1,000
C19026001		1.0	32 / 0.20	1.35	0.76	1.14	1.14	11.5	190	19.5	217	1,000
C19026501		1.5	30 / 0.25	1.65	1.14	1.14	1.52	14.0	290	13.3	243	1,000
C19026502		2.5	50 / 0.25	2.15	1.14	1.14	1.52	15.0	340	7.98	205	1,000
C19026004		4	56 / 0.30	2.65	1.14	1.14	1.52	16.5	410	4.95	173	1,000
C19026006		6	84 / 0.30	3.40	1.14	1.14	1.52	17.5	490	3.3	149	1,000
C19026010		10	80 / 0.40	4.30	1.52	1.14	2.03	22.0	760	1.91	150	1,000
C19036005	3	0.5	16 / 0.20	0.95	0.76	1.14	1.14	11.0	180	39.0	272	1,000
C19036075		0.75	24 / 0.20	1.15	0.76	1.14	1.14	11.5	200	26.0	239	1,000
C19036001		1.0	32 / 0.20	1.35	0.76	1.14	1.14	11.5	210	19.5	217	1,000
C19036501		1.5	30 / 0.25	1.65	1.14	1.14	1.52	15.0	330	13.3	243	1,000
C19036502		2.5	50 / 0.25	2.15	1.14	1.14	1.52	16.0	390	7.98	205	1,000
C19036004		4	56 / 0.30	2.65	1.14	1.14	1.52	17.0	470	4.95	173	1,000
C19036006		6	84 / 0.30	3.40	1.14	1.14	1.52	18.5	570	3.3	149	1,000
C19036010		10	80 / 0.40	4.30	1.52	1.14	2.03	23.0	900	1.91	150	1,000



# CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

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

: 600 V 75°C PVC INSULATED AND SHEATHED CONTROL CABLE WITH SHIELD TAPE

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CTW - FCVVS 600V (ICEA S-61-402)		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 15.6 °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	mm	mm	kg/km	Ω/km	MΩ-km	m/R
C19046005	4	0.5	16 / 0.20	0.95	0.76	1.14	1.14	11.5	200	39.0	272	1,000
C19046075		0.75	24 / 0.20	1.15	0.76	1.14	1.14	12.0	230	26.0	239	1,000
C19046001		1.0	32 / 0.20	1.35	0.76	1.14	1.14	12.5	250	19.5	217	1,000
C19046501		1.5	30 / 0.25	1.65	1.14	1.14	1.52	16.0	380	13.3	243	1,000
C19046502		2.5	50 / 0.25	2.15	1.14	1.14	1.52	17.0	460	7.98	205	1,000
C19046004		4	56 / 0.30	2.65	1.14	1.14	1.52	18.5	560	4.95	173	1,000
C19046006		6	84 / 0.30	3.40	1.14	1.14	1.52	20.0	690	3.3	149	1,000
C19046010		10	80 / 0.40	4.30	1.52	1.14	2.03	25.0	1,090	1.91	150	1,000
C19056005	5	0.5	16 / 0.20	0.95	0.76	1.14	1.14	12.5	220	39.0	272	1,000
C19056075		0.75	24 / 0.20	1.15	0.76	1.14	1.14	13.0	250	26.0	239	1,000
C19056001		1.0	32 / 0.20	1.35	0.76	1.14	1.52	14.0	300	19.5	217	1,000
C19056501		1.5	30 / 0.25	1.65	1.14	1.14	1.52	17.0	430	13.3	243	1,000
C19056502		2.5	50 / 0.25	2.15	1.14	1.14	1.52	18.5	520	7.98	205	1,000
C19056004		4	56 / 0.30	2.65	1.14	1.14	1.52	20.0	640	4.95	173	1,000
C19056006		6	84 / 0.30	3.40	1.14	1.14	2.03	22.5	850	3.3	149	1,000
C19056010		10	80 / 0.40	4.30	1.52	1.14	2.03	27.5	1,260	1.91	150	1,000
C19066005	6	0.5	16 / 0.20	0.95	0.76	1.14	1.52	14.0	280	39.0	272	1,000
C19066075		0.75	24 / 0.20	1.15	0.76	1.14	1.52	14.5	310	26.0	239	1,000
C19066001		1.0	32 / 0.20	1.35	0.76	1.14	1.52	15.0	350	19.5	217	1,000
C19066501		1.5	30 / 0.25	1.65	1.14	1.14	1.52	18.5	490	13.3	243	1,000
C19066502		2.5	50 / 0.25	2.15	1.14	1.14	1.52	19.5	600	7.98	205	1,000
C19066004		4	56 / 0.30	2.65	1.14	1.14	2.03	22.5	800	4.95	173	1,000
C19066006		6	84 / 0.30	3.40	1.14	1.14	2.03	24.0	990	3.3	149	1,000
C19066010		10	80 / 0.40	4.30	1.52	1.14	2.03	29.5	1,490	1.91	150	1,000
C19076005	7	0.5	16 / 0.20	0.95	0.76	1.14	1.52	14.0	280	39.0	272	1,000
C19076075		0.75	24 / 0.20	1.15	0.76	1.14	1.52	14.5	320	26.0	239	1,000
C19076001		1.0	32 / 0.20	1.35	0.76	1.14	1.52	15.0	350	19.5	217	1,000
C19076501		1.5	30 / 0.25	1.65	1.14	1.14	1.52	18.5	500	13.3	243	1,000
C19076502		2.5	50 / 0.25	2.15	1.14	1.14	1.52	19.0	620	7.98	205	1,000
C19076004		4	56 / 0.30	2.65	1.14	1.14	2.03	22.5	830	4.95	173	1,000
C19076006		6	84 / 0.30	3.40	1.14	1.14	2.03	24.0	1,030	3.3	149	1,000
C19076010		10	80 / 0.40	4.30	1.52	1.14	2.03	29.5	1,560	1.91	150	1,000



# CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

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

: 600 V 75°C PVC INSULATED AND SHEATHED CONTROL CABLE WITH SHIELD TAPE

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CTW - FCVVS 600V (ICEA S-61-402)		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 15.6 °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	mm	kg/km	Ω/km	MΩ-km	m/R	
C19086005	8	0.5	16 / 0.20	0.95	0.76	1.14	1.52	15.0	320	39.0	272	1,000
C19086075		0.75	24 / 0.20	1.15	0.76	1.14	1.52	15.5	360	26.0	239	1,000
C19086001		1.0	32 / 0.20	1.35	0.76	1.14	1.52	16.0	400	19.5	217	1,000
C19086501		1.5	30 / 0.25	1.65	1.14	1.14	1.52	19.5	570	13.3	243	1,000
C19086502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	22.0	760	7.98	205	1,000
C19086004		4	56 / 0.30	2.65	1.14	1.14	2.03	24.0	940	4.95	173	1,000
C19086006		6	84 / 0.30	3.40	1.14	1.14	2.03	26.0	1,180	3.3	149	1,000
C19086010		10	80 / 0.40	4.30	1.52	1.14	2.03	32.0	1,780	1.91	150	1,000
C19096005	9	0.5	16 / 0.20	0.95	0.76	1.14	1.52	15.5	350	39.0	272	1,000
C19096075		0.75	24 / 0.20	1.15	0.76	1.14	1.52	16.5	390	26.0	239	1,000
C19096001		1.0	32 / 0.20	1.35	0.76	1.14	1.52	17.0	440	19.5	217	1,000
C19096501		1.5	30 / 0.25	1.65	1.14	1.14	1.52	21.0	630	13.3	243	1,000
C19096502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	23.5	840	7.98	205	1,000
C19096004		4	56 / 0.30	2.65	1.14	1.14	2.03	25.5	1,060	4.95	173	1,000
C19096006		6	84 / 0.30	3.40	1.14	1.14	2.03	28.0	1,320	3.3	149	1,000
C19096010		10	80 / 0.40	4.30	1.52	1.14	2.03	34.0	2,010	1.91	150	1,000
C19106005	10	0.5	16 / 0.20	0.95	0.76	1.14	1.52	16.5	380	39.0	272	1,000
C19106075		0.75	24 / 0.20	1.15	0.76	1.14	1.52	17.5	440	26.0	239	1,000
C19106001		1.0	32 / 0.20	1.35	0.76	1.14	1.52	18.0	490	19.5	217	1,000
C19106501		1.5	30 / 0.25	1.65	1.14	1.14	2.03	23.5	760	13.3	243	1,000
C19106502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	25.5	940	7.98	205	1,000
C19106004		4	56 / 0.30	2.65	1.14	1.14	2.03	27.5	1,180	4.95	173	1,000
C19106006		6	84 / 0.30	3.40	1.14	1.14	2.03	30.0	1,480	3.3	149	1,000
C19106010		10	80 / 0.40	4.30	1.52	1.14	2.03	37.0	2,270	1.91	150	500
C19116005	11	0.5	16 / 0.20	0.95	0.76	1.14	1.52	16.5	390	39.0	272	1,000
C19116075		0.75	24 / 0.20	1.15	0.76	1.14	1.52	17.5	450	26.0	239	1,000
C19116001		1.0	32 / 0.20	1.35	0.76	1.14	1.52	18.0	500	19.5	217	1,000
C19116501		1.5	30 / 0.25	1.65	1.14	1.14	2.03	23.5	790	13.3	243	1,000
C19116502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	25.5	980	7.98	205	1,000
C19116004		4	56 / 0.30	2.65	1.14	1.14	2.03	27.5	1,240	4.95	173	1,000
C19116006		6	84 / 0.30	3.40	1.14	1.14	2.03	30.0	1,550	3.3	149	1,000
C19116010		10	80 / 0.40	4.30	1.52	1.14	2.03	37.0	2,390	1.91	150	500



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

: 600 V 75°C PVC INSULATED AND SHEATHED CONTROL CABLE WITH SHIELD TAPE

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CTW - FCVVS 600V (ICEA S-61-402)		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 15.6 °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	mm	mm	kg/km	Ω/km	MΩ-km	m/R
C19126005	12	0.5	16 / 0.20	0.95	0.76	1.14	1.52	17.0	410	39.0	272	1,000
C19126075		0.75	24 / 0.20	1.15	0.76	1.14	1.52	18.0	470	26.0	239	1,000
C19126001		1.0	32 / 0.20	1.35	0.76	1.14	1.52	18.5	530	19.5	217	1,000
C19126501		1.5	30 / 0.25	1.65	1.14	1.14	2.03	24.0	830	13.3	243	1,000
C19126502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	26.0	1,040	7.98	205	1,000
C19126004		4	56 / 0.30	2.65	1.14	1.14	2.03	28.5	1,310	4.95	173	1,000
C19126006		6	84 / 0.30	3.40	1.14	1.14	2.03	31.0	1,650	3.3	149	1,000
C19126010		10	80 / 0.40	4.30	1.52	1.14	2.03	38.0	2,560	1.91	150	500
C19136005	13	0.5	16 / 0.20	0.95	0.76	1.14	1.52	17.5	430	39.0	272	1,000
C19136075		0.75	24 / 0.20	1.15	0.76	1.14	1.52	18.0	490	26.0	239	1,000
C19136001		1.0	32 / 0.20	1.35	0.76	1.14	1.52	19.0	550	19.5	217	1,000
C19136501		1.5	30 / 0.25	1.65	1.14	1.14	2.03	24.5	870	13.3	243	1,000
C19136502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	26.5	1,080	7.98	205	1,000
C19136004		4	56 / 0.30	2.65	1.14	1.14	2.03	29.0	1,380	4.95	173	1,000
C19136006		6	84 / 0.30	3.40	1.14	1.14	2.03	31.5	1,740	3.3	149	1,000
C19136010		10	80 / 0.40	4.30	1.52	1.14	2.03	39.0	2,700	1.91	150	500
C19146005	14	0.5	16 / 0.20	0.95	0.76	1.14	1.52	17.5	450	39.0	272	1,000
C19146075		0.75	24 / 0.20	1.15	0.76	1.14	1.52	18.5	520	26.0	239	1,000
C19146001		1.0	32 / 0.20	1.35	0.76	1.14	1.52	19.5	580	19.5	217	1,000
C19146501		1.5	30 / 0.25	1.65	1.14	1.14	1.52	25.0	920	13.3	243	1,000
C19146502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	27.0	1,150	7.98	205	1,000
C19146004		4	56 / 0.30	2.65	1.14	1.14	2.03	30.0	1,470	4.95	173	1,000
C19146006		6	84 / 0.30	3.40	1.14	1.14	2.03	32.5	1,860	3.3	149	1,000
C19146010		10	80 / 0.40	4.30	1.52	1.14	2.03	40.0	2,890	1.91	150	500
C19156005	15	0.5	16 / 0.20	0.95	0.76	1.14	1.52	18.0	470	39.0	272	1,000
C19156075		0.75	24 / 0.20	1.15	0.76	1.14	1.52	19.0	550	26.0	239	1,000
C19156001		1.0	32 / 0.20	1.35	0.76	1.14	1.52	20.0	610	19.5	217	1,000
C19156501		1.5	30 / 0.25	1.65	1.14	1.14	2.03	25.5	970	13.3	243	1,000
C19156502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	28.0	1,210	7.98	205	1,000
C19156004		4	56 / 0.30	2.65	1.14	1.14	2.03	30.5	1,550	4.95	173	1,000
C19156006		6	84 / 0.30	3.40	1.14	1.14	2.03	33.0	1,970	3.3	149	1,000
C19156010		10	80 / 0.40	4.30	1.52	1.14	2.03	41.0	3,060	1.91	150	500



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CTW - FCVVS 600V (ICEA S-61-402)		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 15.6 °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	mm	kg/km	Ω/km	MΩ-km	m/R	
C19166005	16	0.5	16 / 0.20	0.95	0.76	1.14	1.52	18.5	490	39.0	272	1,000
C19166075		0.75	24 / 0.20	1.15	0.76	1.14	1.52	19.5	570	26.0	239	1,000
C19166001		1.0	32 / 0.20	1.35	0.76	1.14	1.52	20.5	640	19.5	217	1,000
C19166501		1.5	30 / 0.25	1.65	1.14	1.14	2.03	26.5	1,010	13.3	243	1,000
C19166502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	28.5	1,270	7.98	205	1,000
C19166004		4	56 / 0.30	2.65	1.14	1.14	2.03	31.0	1,620	4.95	173	1,000
C19166006		6	84 / 0.30	3.40	1.14	1.14	2.03	34.0	2,060	3.3	149	1,000
C19166010		10	80 / 0.40	4.30	1.52	1.14	2.79	44.0	3,370	1.91	150	500
C19176005	17	0.5	16 / 0.20	0.95	0.76	1.14	1.52	19.0	510	39.0	272	1,000
C19176075		0.75	24 / 0.20	1.15	0.76	1.14	1.52	20.0	590	26.0	239	1,000
C19176001		1.0	32 / 0.20	1.35	0.76	1.14	2.03	22.0	720	19.5	217	1,000
C19176501		1.5	30 / 0.25	1.65	1.14	1.14	2.03	27.0	1,060	13.3	243	1,000
C19176502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	29.5	1,330	7.98	205	1,000
C19176004		4	56 / 0.30	2.65	1.14	1.14	2.03	32.0	1,700	4.95	173	1,000
C19176006		6	84 / 0.30	3.40	1.14	1.14	2.03	35.0	2,180	3.3	149	1,000
C19176010		10	80 / 0.40	4.30	1.52	1.14	2.79	45.0	3,560	1.91	150	500
C19186005	18	0.5	16 / 0.20	0.95	0.76	1.14	1.52	19.5	530	39.0	272	1,000
C19186075		0.75	24 / 0.20	1.15	0.76	1.14	1.52	20.5	620	26.0	239	1,000
C19186001		1.0	32 / 0.20	1.35	0.76	1.14	2.03	22.5	750	19.5	217	1,000
C19186501		1.5	30 / 0.25	1.65	1.14	1.14	2.03	27.5	1,110	13.3	243	1,000
C19186502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	30.0	1,400	7.98	205	1,000
C19186004		4	56 / 0.30	2.65	1.14	1.14	2.03	33.0	1,800	4.95	173	1,000
C19186006		6	84 / 0.30	3.40	1.14	1.14	2.03	36.0	2,290	3.3	149	500
C19186010		10	80 / 0.40	4.30	1.52	1.14	2.79	46.0	3,760	1.91	150	500
C19196005	19	0.5	16 / 0.20	0.95	0.76	1.14	1.52	19.5	540	39.0	272	1,000
C19196075		0.75	24 / 0.20	1.15	0.76	1.14	1.52	20.5	630	26.0	239	1,000
C19196001		1.0	32 / 0.20	1.35	0.76	1.14	2.03	22.5	760	19.5	217	1,000
C19196501		1.5	30 / 0.25	1.65	1.14	1.14	2.03	27.5	1,120	13.3	243	1,000
C19196502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	30.0	1,420	7.98	205	1,000
C19196004		4	56 / 0.30	2.65	1.14	1.14	2.03	33.0	1,830	4.95	173	1,000
C19196006		6	84 / 0.30	3.40	1.14	1.14	2.03	36.0	2,340	3.3	149	500
C19196010		10	80 / 0.40	4.30	1.52	1.14	2.79	46.0	3,830	1.91	150	500



# CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

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

: 600 V 75°C PVC INSULATED AND SHEATHED CONTROL CABLE WITH SHIELD TAPE

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CTW - FCVVS 600V (ICEA S-61-402)		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 15.6 °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	mm	mm	kg/km	Ω/km	MΩ-km	m/R
C19206005	20	0.5	16 / 0.20	0.95	0.76	1.14	1.52	20.0	560	39.0	272	1,000
C19206075		0.75	24 / 0.20	1.15	0.76	1.14	2.03	22.0	710	26.0	239	1,000
C19206001		1.0	32 / 0.20	1.35	0.76	1.14	2.03	23.0	790	19.5	217	1,000
C19206501		1.5	30 / 0.25	1.65	1.14	1.14	2.03	28.5	1,170	13.3	243	1,000
C19206502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	30.5	1,480	7.98	205	1,000
C19206004		4	56 / 0.30	2.65	1.14	1.14	2.03	33.5	1,910	4.95	173	1,000
C19206006		6	84 / 0.30	3.40	1.14	1.14	2.03	37.0	2,450	3.3	149	500
C19206010		10	80 / 0.40	4.30	1.52	1.14	2.79	47.5	4,020	1.91	150	500
C19216005	21	0.5	16 / 0.20	0.95	0.76	1.14	1.52	20.0	580	39.0	272	1,000
C19216075		0.75	24 / 0.20	1.15	0.76	1.14	2.03	22.5	730	26.0	239	1,000
C19216001		1.0	32 / 0.20	1.35	0.76	1.14	2.03	23.0	820	19.5	217	1,000
C19216501		1.5	30 / 0.25	1.65	1.14	1.14	2.03	29.0	1,220	13.3	243	1,000
C19216502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	31.5	1,540	7.98	205	1,000
C19216004		4	56 / 0.30	2.65	1.14	1.14	2.03	34.5	1,990	4.95	173	1,000
C19216006		6	84 / 0.30	3.40	1.14	1.14	2.03	37.8	2,560	3.3	149	500
C19216010		10	80 / 0.40	4.30	1.52	1.14	2.79	48.5	4,200	1.91	150	500
C19226005	22	0.5	16 / 0.20	0.95	0.76	1.14	1.52	20.5	610	39.0	272	1,000
C19226075		0.75	24 / 0.20	1.15	0.76	1.14	2.03	23.0	760	26.0	239	1,000
C19226001		1.0	32 / 0.20	1.35	0.76	1.14	2.03	24.0	860	19.5	217	1,000
C19226501		1.5	30 / 0.25	1.65	1.14	1.14	2.03	29.5	1,270	13.3	243	1,000
C19226502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	32.0	1,610	7.98	205	1,000
C19226004		4	56 / 0.30	2.65	1.14	1.14	2.03	35.5	2,090	4.95	173	1,000
C19226006		6	84 / 0.30	3.40	1.14	1.14	2.03	38.5	2,680	3.3	149	500
C19226010		10	80 / 0.40	4.30	1.52	1.14	2.79	50.0	4,400	1.91	150	500
C19236005	23	0.5	16 / 0.20	0.95	0.76	1.14	2.03	22.0	680	39.0	272	1,000
C19236075		0.75	24 / 0.20	1.15	0.76	1.14	2.03	23.0	780	26.0	239	1,000
C19236001		1.0	32 / 0.20	1.35	0.76	1.14	2.03	24.0	880	19.5	217	1,000
C19236501		1.5	30 / 0.25	1.65	1.14	1.14	2.03	30.0	1,310	13.3	243	1,000
C19236502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	33.0	1,670	7.98	205	1,000
C19236004		4	56 / 0.30	2.65	1.14	1.14	2.03	36.0	2,160	4.95	173	500
C19236006		6	84 / 0.30	3.40	1.14	1.14	2.03	39.5	2,780	3.3	149	500
C19236010		10	80 / 0.40	4.30	1.52	1.14	2.79	50.5	4,570	1.91	150	500



# CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

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

: 600 V 75°C PVC INSULATED AND SHEATHED CONTROL CABLE WITH SHIELD TAPE

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CTW - FCVVS 600V (ICEA S-61-402)		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 15.6 °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	mm	kg/km	Ω/km	MΩ-km	m/R	
C19246005	24	0.5	16 / 0.20	0.95	0.76	1.14	2.03	23.0	720	39.0	272	1,000
C19246075		0.75	24 / 0.20	1.15	0.76	1.14	2.03	24.5	840	26.0	239	1,000
C19246001		1.0	32 / 0.20	1.35	0.76	1.14	2.03	25.5	950	19.5	217	1,000
C19246501		1.5	30 / 0.25	1.65	1.14	1.14	2.03	31.5	1,410	13.3	243	1,000
C19246502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	34.5	1,790	7.98	205	1,000
C19246004		4	56 / 0.30	2.65	1.14	1.14	2.03	38.0	2,320	4.95	173	500
C19246006		6	84 / 0.30	3.40	1.14	1.14	2.03	41.5	2,980	3.3	149	500
C19246010		10	80 / 0.40	4.30	1.52	1.14	2.79	53.5	4,890	1.91	150	500
C19256005	25	0.5	16 / 0.20	0.95	0.76	1.14	2.03	23.2	730	39.0	272	1,000
C19256075		0.75	24 / 0.20	1.15	0.76	1.14	2.03	24.5	850	26.0	239	1,000
C19256001		1.0	32 / 0.20	1.35	0.76	1.14	2.03	25.5	960	19.5	217	1,000
C19256501		1.5	30 / 0.25	1.65	1.14	1.14	2.03	31.5	1,440	13.3	243	1,000
C19256502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	34.5	1,830	7.98	205	1,000
C19256004		4	56 / 0.30	2.65	1.14	1.14	2.03	38.0	2,370	4.95	173	500
C19256006		6	84 / 0.30	3.40	1.14	1.14	2.03	41.5	3,050	3.3	149	500
C19256010		10	80 / 0.40	4.30	1.52	1.14	2.79	53.5	5,020	1.91	150	500
C19266005	26	0.5	16 / 0.20	0.95	0.76	1.14	2.03	23.0	740	39.0	272	1,000
C19266075		0.75	24 / 0.20	1.15	0.76	1.14	2.03	24.5	870	26.0	239	1,000
C19266001		1.0	32 / 0.20	1.35	0.76	1.14	2.03	25.5	980	19.5	217	1,000
C19266501		1.5	30 / 0.25	1.65	1.14	1.14	2.03	31.5	1,460	13.3	243	1,000
C19266502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	34.5	1,870	7.98	205	1,000
C19266004		4	56 / 0.30	2.65	1.14	1.14	2.03	38.0	2,430	4.95	173	500
C19266006		6	84 / 0.30	3.40	1.14	1.14	2.03	41.5	3,130	3.3	149	500
C19266010		10	80 / 0.40	4.30	1.52	1.14	2.79	53.5	5,140	1.91	150	500
C19276005	27	0.5	16 / 0.20	0.95	0.76	1.14	2.03	23.5	760	39.0	272	1,000
C19276075		0.75	24 / 0.20	1.15	0.76	1.14	2.03	24.5	890	26.0	239	1,000
C19276001		1.0	32 / 0.20	1.35	0.76	1.14	2.03	26.0	1,010	19.5	217	1,000
C19276501		1.5	30 / 0.25	1.65	1.14	1.14	2.03	32.0	1,510	13.3	243	1,000
C19276502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	35.0	1,930	7.98	205	1,000
C19276004		4	56 / 0.30	2.65	1.14	1.14	2.03	38.5	2,500	4.95	173	500
C19276006		6	84 / 0.30	3.40	1.14	1.14	2.79	44.0	3,380	3.3	149	500
C19276010		10	80 / 0.40	4.30	1.52	1.14	2.79	54.5	5,310	1.91	150	500



# CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

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

: 600 V 75°C PVC INSULATED AND SHEATHED CONTROL CABLE WITH SHIELD TAPE

CTW - FCVVS 600V (ICEA S-61-402)		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 15.6 °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	mm	kg/km	Ω/km	MΩ-km	m/R	
C19286005	28	0.5	16 / 0.20	0.95	0.76	1.14	2.03	23.5	780	39.0	272	1,000
C19286075		0.75	24 / 0.20	1.15	0.76	1.14	2.03	24.5	910	26.0	239	1,000
C19286001		1.0	32 / 0.20	1.35	0.76	1.14	2.03	26.0	1,030	19.5	217	1,000
C19286501		1.5	30 / 0.25	1.65	1.14	1.14	2.03	32.5	1,540	13.3	243	1,000
C19286502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	35.5	1,970	7.98	205	1,000
C19286004		4	56 / 0.30	2.65	1.14	1.14	2.03	39.0	2,560	4.95	173	500
C19286006		6	84 / 0.30	3.40	1.14	1.14	2.79	44.0	3,470	3.3	149	500
C19286010		10	80 / 0.40	4.30	1.52	1.14	2.79	55.0	5,450	1.91	150	500
C19296005	29	0.5	16 / 0.20	0.95	0.76	1.14	2.03	23.5	790	39.0	272	1,000
C19296075		0.75	24 / 0.20	1.15	0.76	1.14	2.03	25.0	930	26.0	239	1,000
C19296001		1.0	32 / 0.20	1.35	0.76	1.14	2.03	26.0	1,050	19.5	217	1,000
C19296501		1.5	30 / 0.25	1.65	1.14	1.14	2.03	32.5	1,570	13.3	243	1,000
C19296502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	35.5	2,020	7.98	205	1,000
C19296004		4	56 / 0.30	2.65	1.14	1.14	2.03	39.0	2,640	4.95	173	500
C19296006		6	84 / 0.30	3.40	1.14	1.14	2.79	44.5	3,560	3.3	149	500
C19296010		10	80 / 0.40	4.30	1.52	1.14	2.79	55.5	5,600	1.91	150	500
C19306005	30	0.5	16 / 0.20	0.95	0.76	1.14	2.03	24.0	810	39.0	272	1,000
C19306075		0.75	24 / 0.20	1.15	0.76	1.14	2.03	25.5	950	26.0	239	1,000
C19306001		1.0	32 / 0.20	1.35	0.76	1.14	2.03	26.5	1,080	19.5	217	1,000
C19306501		1.5	30 / 0.25	1.65	1.14	1.14	2.03	33.5	1,620	13.3	243	1,000
C19306502		2.5	50 / 0.25	2.15	1.14	1.14	2.03	36.7	2,080	7.98	205	1,000
C19306004		4	56 / 0.30	2.65	1.14	1.14	2.03	40.0	2,710	4.95	173	500
C19306006		6	84 / 0.30	3.40	1.14	1.14	2.79	45.5	3,670	3.3	149	500
C19306010		10	80 / 0.40	4.30	1.52	1.14	2.79	57.0	5,770	1.91	150	500