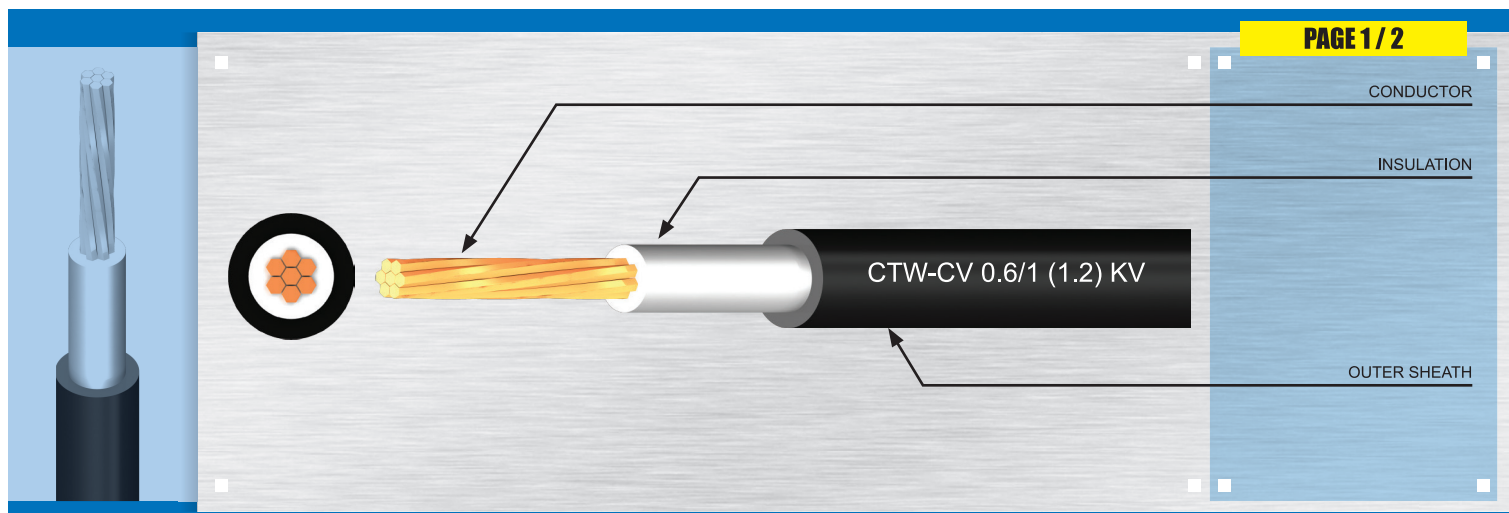




CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : CTW-CV SINGLE CORE CU/XLPE/PVC 0.6/1(1.2) kV

LOW VOLTAGE CROSS-LINKED POLYETHYLENE POWER CABLE COPPER CONDUCTOR WITHOUT ARMOUR



PAGE 1 / 2

CONSTRUCTION

- Conductor** Compact or Round concentric lay stranded copper
- CR : Concentric lay stranded of conductor : ≤ 10 sq.mm.
- CP : Compact round concentric lay stranded of conductor : > 10 sq.mm.
- Insulation** Cross-linked polyethylene (XLPE)
Colour : Natural
- Sheath** Polyvinyl chloride (PVC:ST2)
Optional : Polyethylene (PE:ST7)
Colour : Black

APPLICATION

Preferably used for installation exposed or in raceway wet or dry location or direct burial in ground.

CLASSIFICATION

Maximum conductor temperature 90°C
Circuit voltage does not exceed 1,000 volts.

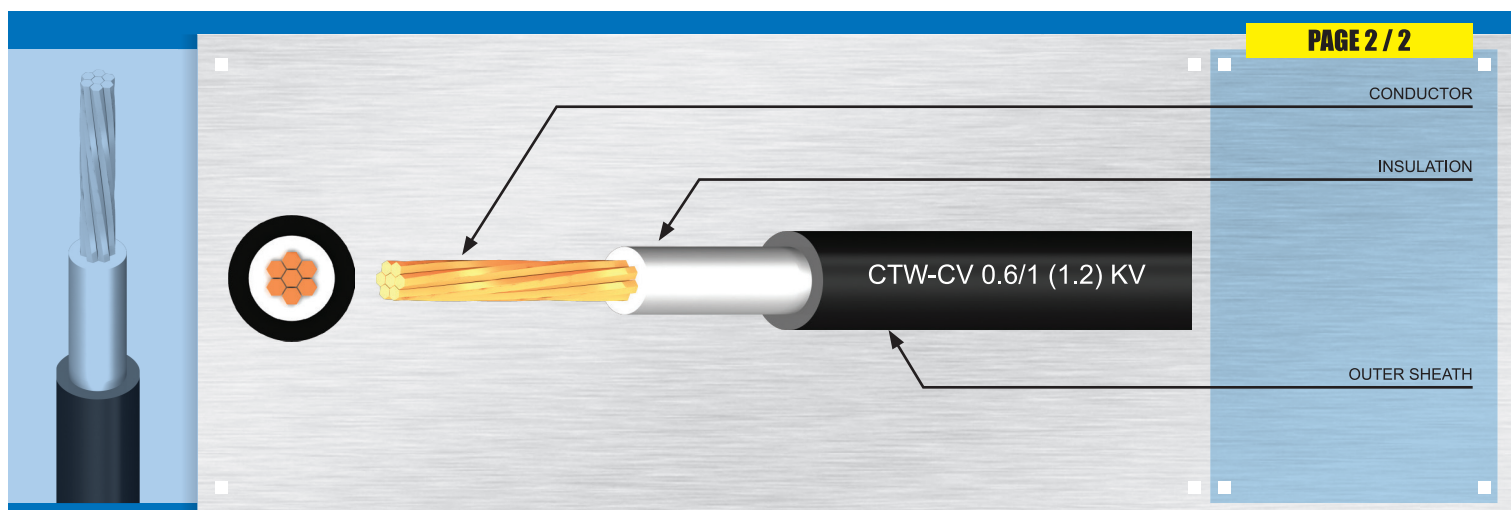
REFERENCE

⚡ TIS 2143
IEC 60228, IEC 60502-1
AC Test Voltage : 3.5 kV

NOTE

A special FR-PVC or Low Smoke Halogen Free (LSHF)* Flame Retardant Sheath can be supplied in accordance with IEC 60332-3, *For LSHF : IEC 60754, IEC 61034

CTW-CV		Conductor			Thickness of Insulation	Thickness of Sheath	Overall Diameter (Approx.)	Cable Weight (Approx.)	Maximum Conductor Resistance at 20°C	Minimum Insulation Resistance at 90°C	Standard Packing
PRODUCT CODE	SIZE sq.mm.	Nominal Cross-Sectional Area sq.mm.	Number of Wire No.	Diameter (Approx.) mm							
C28014501	1 x 1.5	1.5	7:CR	1.56	0.7	1.4	7.5	55	12.10	1.1098	1,000/R
C28014502	1 x 2.5	2.5	7:CR	2.01	0.7	1.4	8.0	70	7.41	0.9229	1,000/R
C28014004	1 x 4	4	7:CR	2.52	0.7	1.4	8.5	90	4.61	0.7762	1,000/R
C28014006	1 x 6	6	7:CR	3.09	0.7	1.4	9.0	115	3.08	0.6598	1,000/R
C28014010	1 x 10	10	7:CR	3.99	0.7	1.4	10.0	160	1.83	0.5340	1,000/R
C28018016	1 x 16	16	7:CP	4.69	0.7	1.4	10.5	215	1.15	0.4636	1,000/R
C28018025	1 x 25	25	7:CP	5.90	0.9	1.4	12.0	315	0.727	0.4612	1,000/R
C28018035	1 x 35	35	7:CP	6.95	0.9	1.4	13.5	420	0.524	0.3996	1,000/R
C28018050	1 x 50	50	19:CP	8.33	1.0	1.4	15.0	575	0.387	0.3704	1,000/R
C28018070	1 x 70	70	19:CP	9.73	1.1	1.4	16.5	775	0.268	0.3482	1,000/R
C28018095	1 x 95	95	19:CP	11.45	1.1	1.5	18.5	1,025	0.193	0.3007	1,000/R
C28018120	1 x 120	120	19:CP	12.95	1.2	1.5	20.0	1,275	0.153	0.2890	1,000/R
C28018150	1 x 150	150	37:CP	14.27	1.4	1.6	22.0	1,585	0.124	0.3014	1,000/R
C28018185	1 x 185	185	37:CP	15.98	1.6	1.6	24.5	1,940	0.0991	0.3047	1,000/R
C28018240	1 x 240	240	37:CP	18.47	1.7	1.7	27.5	2,495	0.0754	0.2813	1,000/R
C28018300	1 x 300	300	61:CP	20.68	1.8	1.8	30.0	3,090	0.0601	0.2664	500/R



CONSTRUCTION

Conductor

Compact or Round concentric lay stranded copper

- CR : Concentric lay stranded of conductor : ≤ 10 sq.mm.
- CP : Compact round concentric lay stranded of conductor : > 10 sq.mm.

Insulation

Cross-linked polyethylene (XLPE)
Colour : Natural

Sheath

Polyvinyl chloride (PVC:ST2)
Optional : Polyethylene (PE:ST7)
Colour : Black

APPLICATION

Preferably used for installation exposed or in raceway wet or dry location or direct burial in ground.

REFERENCE

 TIS 2143
IEC 60228, IEC 60502-1
AC Test Voltage : 3.5 kV

CLASSIFICATION

Maximum conductor temperature 90°C
Circuit voltage does not exceed 1,000 volts.

NOTE

A special FR-PVC or Low Smoke Halogen Free (LSHF)* Flame Retardant Sheath can be supplied in accordance with IEC 60332-3,
*For LSHF : IEC 60754, IEC 61034

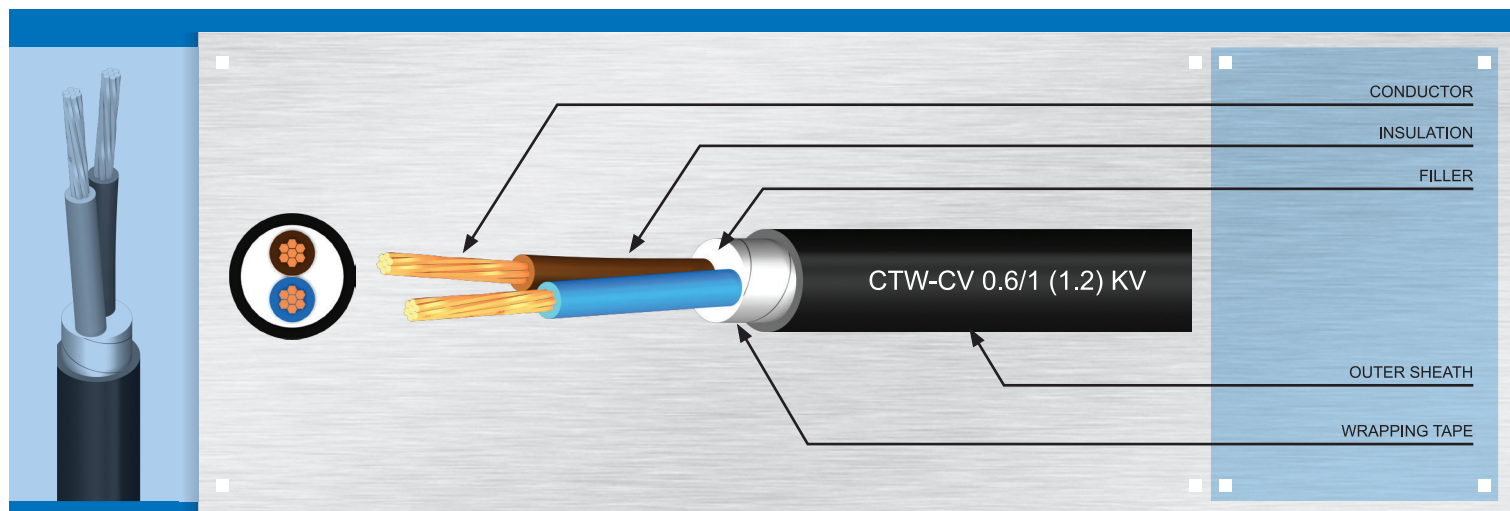
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CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : CTW-CV TWO CORES CU/XLPE/PVC 0.6/1(1.2) kV

LOW VOLTAGE CROSS-LINKED POLYETHYLENE POWER CABLE COPPER CONDUCTOR WITHOUT ARMOUR



CONSTRUCTION

Conductor	Compact or Round concentric lay stranded copper - CR : Concentric lay stranded of conductor : ≤ 10 sq.mm. - CP : Compact round concentric lay stranded of conductor : > 10 sq.mm.
Insulation	Cross-linked polyethylene (XLPE) Colour : Blue, Brown
Filler	PVC/PE Rod or Polypropylene (Nonhygroscopic material)
Wrapping Tape	Polyester (Mylar) and / or Spunboun tape
Sheath	Polyvinyl chloride (PVC:ST2) Optional : Polyethylene (PE:ST7) Colour : Black

APPLICATION

Preferably used for installation exposed or in raceway wet or dry location or direct burial in ground.

CLASSIFICATION

Maximum conductor temperature 90°C
Circuit voltage does not exceed 1,000 volts.

REFERENCE

⚡ TIS 2143
IEC 60228, IEC 60502-1
AC Test Voltage : 3.5 kV

NOTE

A special FR-PVC or Low Smoke Halogen Free (LSHF)* Flame Retardant Sheath can be supplied in accordance with IEC 60332-3,
*For LSHF : IEC 60754, IEC 61034

CTW-CV		Conductor			Thickness of Insulation	Thickness of Sheath	Overall Diameter (Approx.)	Cable Weight (Approx.)	Maximum Conductor Resistance at 20°C	Minimum Insulation Resistance at 90°C	Standard Packing
		Nominal Cross-Sectional Area	Number of Wire	Diameter (Approx.)							
PRODUCT CODE	SIZE sq.mm.	sq.mm.	No.	mm	mm	mm	mm	kg/km	Ω/km	$\text{M}\Omega\text{-km}$	m
C28024501	2 x 1.5	1.5	7:CR	1.56	0.7	1.8	11.5	145	12.1	1.1098	1,000/R
C28024502	2 x 2.5	2.5	7:CR	2.01	0.7	1.8	12.5	180	7.41	0.9229	1,000/R
C28024004	2 x 4	4	7:CR	2.52	0.7	1.8	13.5	230	4.61	0.7762	1,000/R
C28024006	2 x 6	6	7:CR	3.09	0.7	1.8	14.5	295	3.08	0.6598	1,000/R
C28024010	2 x 10	10	7:CR	3.99	0.7	1.8	17.0	380	1.83	0.5340	1,000/R
C28028016	2 x 16	16	7:CP	4.69	0.7	1.8	18.5	505	1.15	0.4636	1,000/R
C28028025	2 x 25	25	7:CP	5.90	0.9	1.8	21.5	745	0.727	0.4612	1,000/R
C28028035	2 x 35	35	7:CP	6.95	0.9	1.8	24.0	975	0.524	0.3996	1,000/R
C28028050	2 x 50	50	19:CP	8.33	1.0	1.8	27.0	1,330	0.387	0.3704	1,000/R
C28028070	2 x 70	70	19:CP	9.73	1.1	1.8	30.5	1,785	0.268	0.3482	1,000/R
C28028095	2 x 95	95	19:CP	11.45	1.1	1.9	34.5	2,355	0.193	0.3007	1,000/R
C28028120	2 x 120	120	19:CP	12.95	1.2	2.0	38.0	2,945	0.153	0.2890	1,000/R
C28028150	2 x 150	150	37:CP	14.27	1.4	2.2	42.5	3,665	0.124	0.3014	500/R
C28028185	2 x 185	185	37:CP	15.98	1.6	2.3	47.0	4,500	0.0991	0.3047	500/R
C28028240	2 x 240	240	37:CP	18.47	1.7	2.5	53.0	5,785	0.0754	0.2813	250/R
C28028300	2 x 300	300	61:CP	20.68	1.8	2.6	58.5	7,145	0.0601	0.2664	250/R
C28028400	2 x 400	400	61:CP	23.39	2.0	2.9	65.5	9,405	0.0470	0.2609	250/R

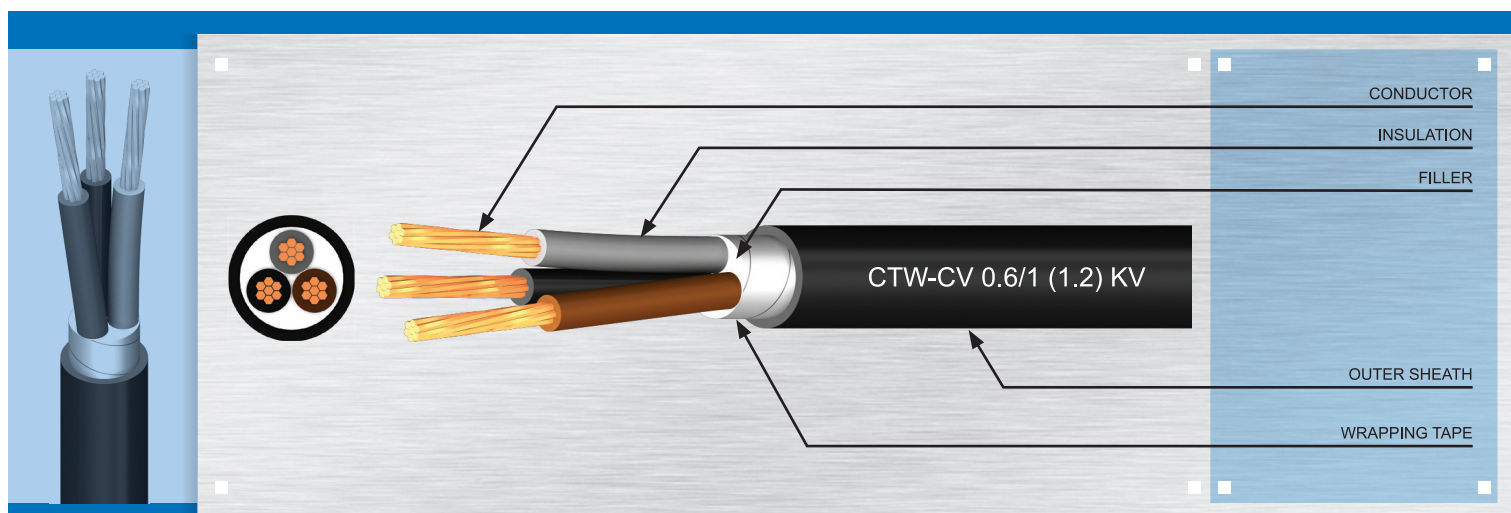
C = Packing in coil
R = Packing in reel



CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : CTW-CV THREE CORES CU/XLPE/PVC 0.6/1(1.2) kV

LOW VOLTAGE CROSS-LINKED POLYETHYLENE POWER CABLE COPPER CONDUCTOR WITHOUT ARMOUR



CONSTRUCTION

Conductor	Compact or Round concentric lay stranded copper - CR : Concentric lay stranded of conductor : ≤ 10 sq.mm. - CP : Compact round concentric lay stranded of conductor : > 10 sq.mm.
Insulation	Cross-linked polyethylene (XLPE) Colour : Brown, Black, Grey
Filler	PVC/PE Rod or Polypropylene (Nonhygroscopic material)
Wrapping Tape	Polyester (Mylar) and / or Spunboun tape
Sheath	Polyvinyl chloride (PVC:ST2) Optional : Polyethylene (PE:ST7) Colour : Black

APPLICATION

Preferably used for installation exposed or in raceway wet or dry location or direct burial in ground.

CLASSIFICATION

Maximum conductor temperature 90°C
Circuit voltage does not exceed 1,000 volts.

REFERENCE

⚡ TIS 2143
IEC 60228, IEC 60502-1
AC Test Voltage : 3.5 kV

NOTE

A special FR-PVC or Low Smoke Halogen Free (LSHF)* Flame Retardant Sheath can be supplied in accordance with IEC 60332-3,
*For LSHF : IEC 60754, IEC 61034

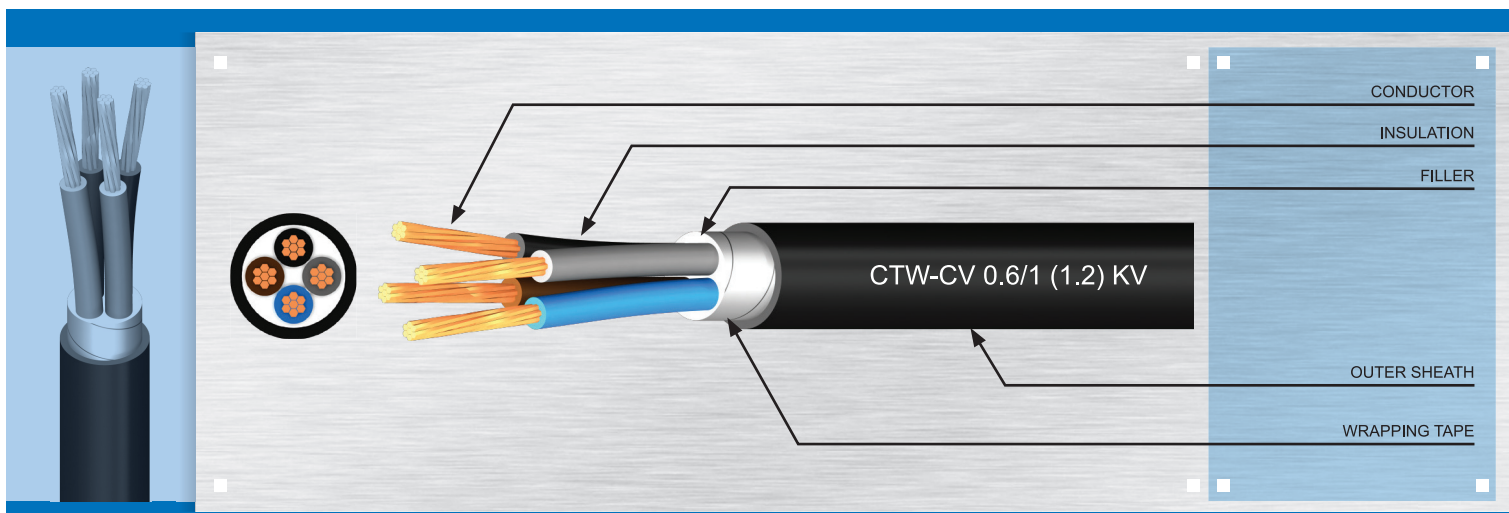
CTW-CV		Conductor			Thickness of Insulation	Thickness of Sheath	Overall Diameter (Approx.)	Cable Weight (Approx.)	Maximum Conductor Resistance at 20°C	Minimum Insulation Resistance at 90°C	Standard Packing
PRODUCT CODE	SIZE sq.mm.	Nominal Cross-Sectional Area sq.mm.	Number of Wire No./mm	Diameter (Approx.) mm							
C28034501	3 x 1.5	1.5	7:CR	1.56	0.7	1.8	12.0	165	12.1	1.1098	1,000/R
C28034502	3 x 2.5	2.5	7:CR	2.01	0.7	1.8	13.0	210	7.41	0.9229	1,000/R
C28034004	3 x 4	4	7:CR	2.52	0.7	1.8	14.0	275	4.61	0.7762	1,000/R
C28034006	3 x 6	6	7:CR	3.09	0.7	1.8	15.5	360	3.08	0.6598	1,000/R
C28034010	3 x 10	10	7:CR	3.99	0.7	1.8	18.0	495	1.83	0.5340	1,000/R
C28038016	3 x 16	16	7:CP	4.69	0.7	1.8	19.5	670	1.15	0.4636	1,000/R
C28038025	3 x 25	25	7:CP	5.90	0.9	1.8	23.0	995	0.727	0.4612	1,000/R
C28038035	3 x 35	35	7:CP	6.95	0.9	1.8	25.5	1,320	0.524	0.3996	1,000/R
C28038050	3 x 50	50	19:CP	8.33	1.0	1.8	29.0	1,820	0.387	0.3704	1,000/R
C28038070	3 x 70	70	19:CP	9.73	1.1	1.9	33.0	2,480	0.268	0.3482	1,000/R
C28038095	3 x 95	95	19:CP	11.45	1.1	2.0	37.0	3,285	0.193	0.3007	500/R
C28038120	3 x 120	120	19:CP	12.95	1.2	2.1	41.0	4,110	0.153	0.2890	500/R
C28038150	3 x 150	150	37:CP	14.27	1.4	2.3	45.5	5,120	0.124	0.3014	500/R
C28038185	3 x 185	185	37:CP	15.98	1.6	2.4	50.5	6,300	0.0991	0.3047	500/R
C28038240	3 x 240	240	37:CP	18.47	1.7	2.6	57.0	8,100	0.0754	0.2813	250/R
C28038300	3 x 300	300	61:CP	20.68	1.8	2.7	62.5	10,025	0.0601	0.2664	250/R
C28038400	3 x 400	400	61:CP	23.39	2.0	3.0	70.5	13,220	0.0470	0.2609	250/R



CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : CTW-CV FOUR CORES CU/XLPE/PVC 0.6/1(1.2) kV

LOW VOLTAGE CROSS-LINKED POLYETHYLENE POWER CABLE COPPER CONDUCTOR WITHOUT ARMOUR



CONSTRUCTION

- Conductor** Compact or Round concentric lay stranded copper
- CR : Concentric lay stranded of conductor : ≤ 10 sq.mm.
- CP : Compact round concentric lay stranded of conductor : > 10 sq.mm.
- Insulation** Cross-linked polyethylene (XLPE)
Colour : Blue, Brown, Black, Grey
- Filler** PVC/PE Rod or Polypropylene
(Nonhygroscopic material)
- Wrapping Tape** Polyester (Mylar) and / or Spunboun tape
- Sheath** Polyvinyl chloride (PVC:ST2)
Optional : Polyethylene (PE:ST7)
Colour : Black

APPLICATION

Preferably used for installation exposed or in raceway wet or dry location or direct burial in ground.

CLASSIFICATION

Maximum conductor temperature 90°C
Circuit voltage does not exceed 1,000 volts.

REFERENCE

⚡ TIS 2143
IEC 60228, IEC 60502-1
AC Test Voltage : 3.5 kV

NOTE

A special FR-PVC or Low Smoke Halogen Free (LSHF)* Flame Retardant Sheath can be supplied in accordance with IEC 60332-3,
*For LSHF : IEC 60754, IEC 61034

CTW-CV		Conductor			Thickness of Insulation	Thickness of Sheath	Overall Diameter (Approx.)	Cable Weight (Approx.)	Maximum Conductor Resistance at 20°C	Minimum Insulation Resistance at 90°C	Standard Packing
PRODUCT CODE	SIZE sq.mm.	Nominal Cross-Sectional Area sq.mm.	Number of Wire No.	Diameter (Approx.) mm	mm	mm	mm	kg/km	Ω/km	$\text{M}\Omega\text{-km}$	m
C28044501	4 x 1.5	1.5	7:CR	1.56	0.7	1.8	13.0	195	12.1	1.1098	1,000/R
C28044502	4 x 2.5	2.5	7:CR	2.01	0.7	1.8	14.0	250	7.41	0.9229	1,000/R
C28044004	4 x 4	4	7:CR	2.52	0.7	1.8	15.0	335	4.61	0.7762	1,000/R
C28044006	4 x 6	6	7:CR	3.09	0.7	1.8	16.5	435	3.08	0.6598	1,000/R
C28044010	4 x 10	10	7:CR	3.99	0.7	1.8	19.5	625	1.83	0.5340	1,000/R
C28048016	4 x 16	16	7:CP	4.69	0.7	1.8	21.0	860	1.15	0.4636	1,000/R
C28048025	4 x 25	25	7:CP	5.90	0.9	1.8	25.0	1,285	0.727	0.4612	1,000/R
C28048035	4 x 35	35	7:CP	6.95	0.9	1.8	28.0	1,715	0.524	0.3996	1,000/R
C28048050	4 x 50	50	19:CP	8.33	1.0	1.8	32.0	2,365	0.387	0.3704	1,000/R
C28048070	4 x 70	70	19:CP	9.73	1.1	2.0	36.5	3,255	0.268	0.3482	500/R
C28048095	4 x 95	95	19:CP	11.45	1.1	2.1	41.0	4,315	0.193	0.3007	500/R
C28048120	4 x 120	120	19:CP	12.95	1.2	2.3	45.5	5,430	0.153	0.2890	500/R
C28048150	4 x 150	150	37:CP	14.27	1.4	2.4	50.5	6,740	0.124	0.3014	250/R
C28048185	4 x 185	185	37:CP	15.98	1.6	2.6	56.0	8,310	0.0991	0.3047	250/R
C28048240	4 x 240	240	37:CP	18.47	1.7	2.8	63.5	10,700	0.0754	0.2813	250/R
C28048300	4 x 300	300	61:CP	20.68	1.8	3.0	70.0	13,275	0.0601	0.2664	200/R
C28048400	4 x 400	400	61:CP	23.39	2.0	3.3	78.5	17,515	0.0470	0.2609	150/R

C = Packing in coil
R = Packing in reel

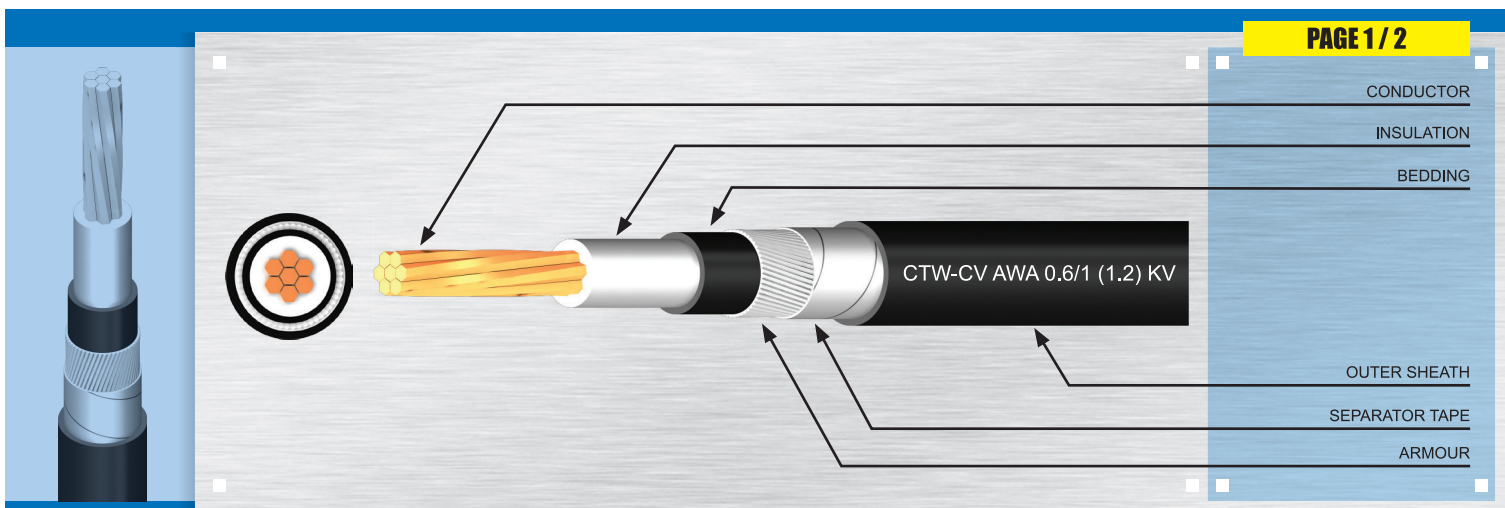


CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : CTW-CV-AWA SINGLE CORE CU/XLPE/AWA/PVC 0.6/1(1.2) kV

LOW VOLTAGE CROSS-LINKED POLYETHYLENE POWER CABLE COPPER CONDUCTOR WITH ALUMINIUM WIRE ARMOUR

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CONSTRUCTION

Conductor	Compact or Round concentric lay stranded copper - CR : Concentric lay stranded of conductor : ≤ 10 sq.mm. - CP : Compact round concentric lay stranded of conductor : > 10 sq.mm.
Insulation	Cross-linked polyethylene (XLPE) Colour : Natural
Bedding	Polyvinyl chloride (PVC:ST2) Optional : Polyethylene (PE:ST7) Colour : Black
Armour	Aluminium Wire (AWA)
Separator Tape	Polyester and/or Spunbond tape
Outer Sheath	Polyvinyl chloride (PVC:ST2) Optional : Polyethylene (PE:ST7) Colour : Black

APPLICATION

Preferably used for installation exposed or in raceway wet or dry location or direct burial in ground.

CLASSIFICATION

Maximum conductor temperature 90°C
Circuit voltage does not exceed 1,000 volts.

REFERENCE

⚡ TIS 2143
IEC 60228, IEC 60502-1
AC Test Voltage : 3.5 kV

NOTE

A special FR-PVC or Low Smoke Halogen Free (LSHF)* Flame Retardant Sheath can be supplied in accordance with IEC 60332-3,
*For LSHF : IEC 60754, IEC 61034

CTW-CV		Conductor			Thickness of Insulation	Thickness of Bedding	Armour Wire Diameter	Thickness of Outer Sheath	Overall Diameter (Approx.)	Cable Weight (Approx.)	Maximum Conductor Resistance at 20°C	Minimum Insulation Resistance at 90°C	Standard Packing
PRODUCT CODE	SIZE sq.mm.	Nominal Cross-Sectional Area sq.mm.	Number of Wire No.	Diameter (Approx.) mm									
C30014501	1 x 1.5	1.5	7:CR	1.56	0.7	1.0	0.90	1.4	11.0	135	12.1	1.1098	1,000/R
C30014502	1 x 2.5	2.5	7:CR	2.01	0.7	1.0	0.90	1.4	11.5	155	7.41	0.9229	1,000/R
C30014004	1 x 4	4	7:CR	2.52	0.7	1.0	0.90	1.4	12.0	180	4.61	0.7762	1,000/R
C30014006	1 x 6	6	7:CR	3.09	0.7	1.0	0.90	1.4	12.5	210	3.08	0.6598	1,000/R
C30014010	1 x 10	10	7:CR	3.99	0.7	1.0	0.90	1.4	13.5	265	1.83	0.5340	1,000/R
C30018016	1 x 16	16	7:CP	4.69	0.7	1.0	0.90	1.4	14.5	330	1.15	0.4636	1,000/R
C30018025	1 x 25	25	7:CP	5.90	0.9	1.0	0.90	1.4	16.0	445	0.727	0.4612	1,000/R
C30018035	1 x 35	35	7:CP	6.95	0.9	1.0	0.90	1.4	17.0	560	0.524	0.3996	1,000/R
C30018050	1 x 50	50	19:CP	8.33	1.0	1.0	1.25	1.5	19.5	770	0.387	0.3704	1,000/R
C30018070	1 x 70	70	19:CP	9.73	1.1	1.0	1.25	1.5	21.0	995	0.268	0.3482	1,000/R
C30018095	1 x 95	95	19:CP	11.45	1.1	1.0	1.25	1.6	23.0	1,265	0.193	0.3007	1,000/R
C30018120	1 x 120	120	19:CP	12.95	1.2	1.0	1.60	1.7	25.5	1,595	0.153	0.2890	1,000/R
C30018150	1 x 150	150	37:CP	14.27	1.4	1.0	1.60	1.7	27.5	1,940	0.124	0.3014	1,000/R
C30018185	1 x 185	185	37:CP	15.98	1.6	1.0	1.60	1.8	30.0	2,325	0.0991	0.3047	1,000/R
C30018240	1 x 240	240	37:CP	18.47	1.7	1.0	1.60	1.9	33.0	2,925	0.0754	0.2813	500/R
C30018300	1 x 300	300	61:CP	20.68	1.8	1.0	1.60	1.9	35.5	3,560	0.0601	0.2664	500/R

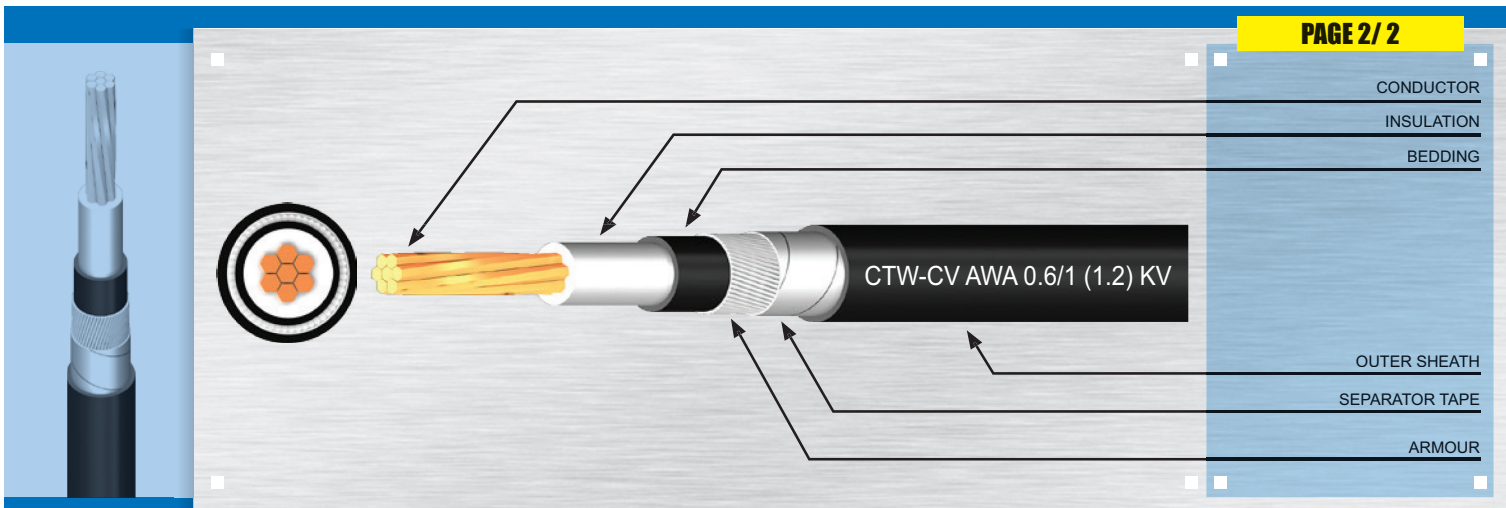


CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW-CV-AWA SINGLE CORE CU/XLPE/AWA/PVC 0.6/1(1.2) kV**

LOW VOLTAGE CROSS-LINKED POLYETHYLENE POWER CABLE COPPER CONDUCTOR WITH ALUMINIUM WIRE ARMOUR

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CONSTRUCTION

Conductor	Compact or Round concentric lay stranded copper - CR : Concentric lay stranded of conductor : ≤ 10 sq.mm. - CP : Compact round concentric lay stranded of conductor : > 10 sq.mm.
Insulation	Cross-linked polyethylene (XLPE) Colour : Natural
Bedding	Polyvinyl chloride (PVC:ST2) Optional : Polyethylene (PE:ST7) Colour : Black
Armour	Aluminium Wire (AWA)
Separator Tape	Polyester and/or Spunbond tape
Outer Sheath	Polyvinyl chloride (PVC:ST2) Optional : Polyethylene (PE:ST7) Colour : Black

APPLICATION

Preferably used for installation exposed or in raceway wet or dry location or direct burial in ground.

CLASSIFICATION

Maximum conductor temperature 90°C
Circuit voltage does not exceed 1,000 volts.

REFERENCE

⚡ TIS 2143
IEC 60228, IEC 60502-1
AC Test Voltage : 3.5 kV

NOTE

A special FR-PVC or Low Smoke Halogen Free (LSHF)* Flame Retardant Sheath can be supplied in accordance with IEC 60332-3,
*For LSHF : IEC 60754, IEC 61034

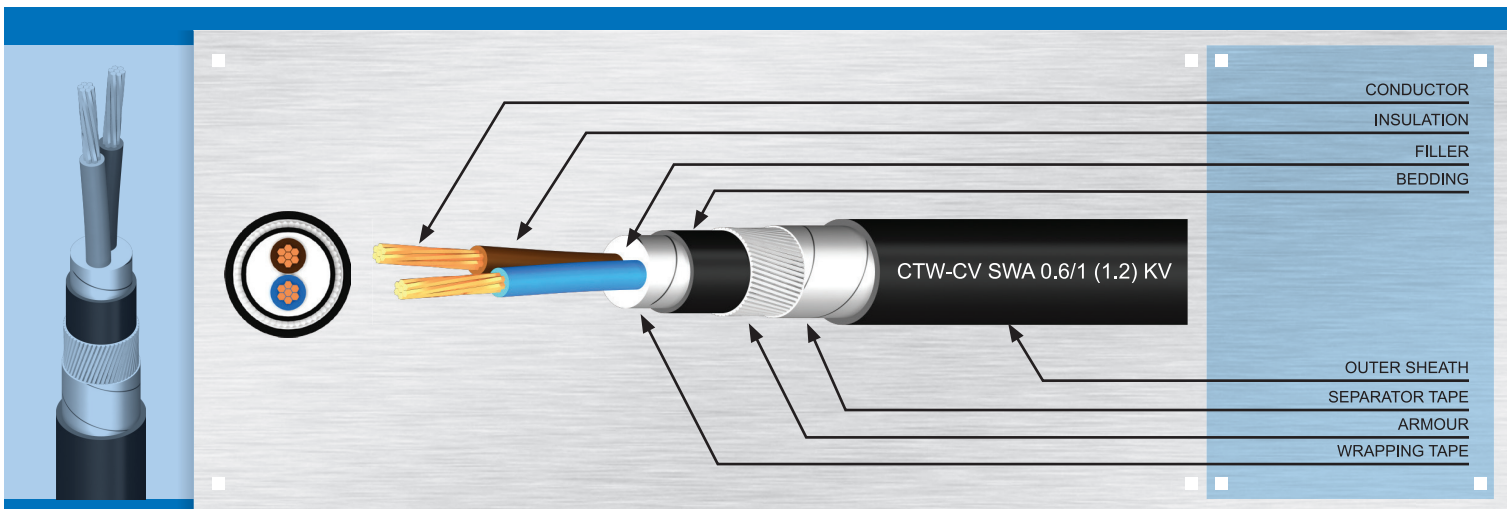
CTW-CV		Conductor			Thickness of Insulation	Thickness of Bedding	Armour Wire Diameter	Thickness of Outer Sheath	Overall Diameter (Approx.)	Cable Weight (Approx.)	Maximum Conductor Resistance at 20°C	Minimum Insulation Resistance at 90°C	Standard Packing
PRODUCT CODE	SIZE sq.mm.	Nominal Cross-Sectional Area sq.mm.	Number of Wire No.	Diameter (Approx.) mm	mm	mm	mm	mm	mm	kg/km	Ω/km	MΩ-km	m
C30018400	1 x 400	400	61:CP	23.39	2.0	1.2	2.00	2.0	40.5	4,725	0.0470	0.2609	500/R
C30018500	1 x 500	500	61:CP	26.67	2.2	1.2	2.00	2.2	45.0	5,815	0.0366	0.2513	500/R
C30018630	1 x 630	630	91:CP	30.20	2.4	1.2	2.00	2.3	49.0	7,175	0.0283	0.2420	250/R
C30018800	1 x 800	800	91:CP	34.00	2.6	1.4	2.50	2.5	55.5	9,155	0.0221	0.2328	250/R
C30018000	1 x 1000	1000	127:CP	40.00	2.8	1.4	2.50	2.6	62.5	11,300	0.0176	0.2138	250/R



CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : CTW-CV-SWA TWO CORES CU/XLPE/SWA/PVC 0.6/1(1.2) kV

LOW VOLTAGE CROSS-LINKED POLYETHYLENE POWER CABLE COPPER CONDUCTOR WITH GALVANIZED STEEL WIRE ARMOUR



CONSTRUCTION

Conductor	Compact or Round concentric lay stranded copper - CR : Concentric lay stranded of conductor : ≤ 10 sq.mm. - CP : Compact round concentric lay stranded of conductor : > 10 sq.mm.
Insulation	Cross-linked polyethylene (XLPE) Colour : Blue, Brown
Bedding	Polyvinyl chloride (PVC:ST2) Optional : Polyethylene (PE:ST7) Colour : Black
Armour	Galvanized Steel Wire (SWA)
Separator Tape	Polyester and/or Spunbond tape
Outer Sheath	Polyvinyl chloride (PVC:ST2) Optional : Polyethylene (PE:ST7) Colour : Black

APPLICATION

Preferably used for installation exposed or in raceway wet or dry location or direct burial in ground.

CLASSIFICATION

Maximum conductor temperature 90°C
Circuit voltage does not exceed 1,000 volts.

REFERENCE

⚡ TIS 2143
IEC 60228, IEC 60502-1
AC Test Voltage : 3.5 kV

NOTE

A special FR-PVC or Low Smoke Halogen Free (LSHF)* Flame Retardant Sheath can be supplied in accordance with IEC 60332-3,
*For LSHF : IEC 60754, IEC 61034

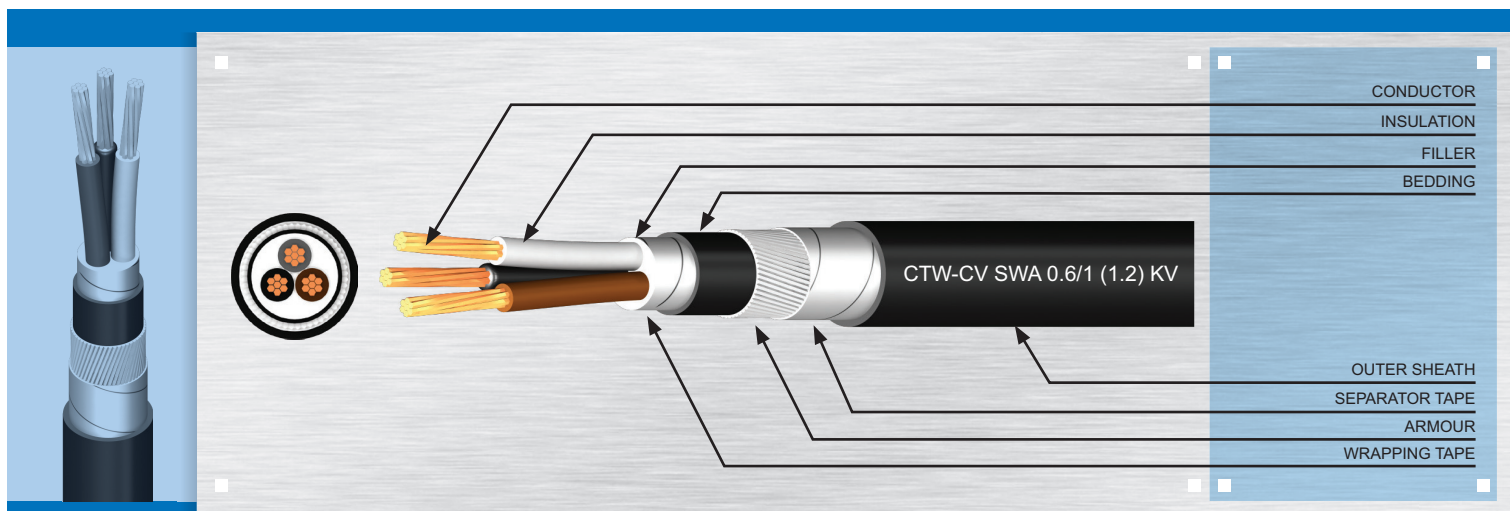
CTW-CV-SWA		Conductor			Thickness of Insulation	Thickness of Bedding	Armour Wire Diameter	Thickness of Outer Sheath	Overall Diameter (Approx.)	Cable Weight (Approx.)	Maximum Conductor Resistance at 20°C	Minimum Insulation Resistance at 90°C	Standard Packing
PRODUCT CODE	SIZE sq.mm.	Nominal Cross-Sectional Area sq.mm.	Number and Dia. of Wire No./mm	Diameter (Approx.) mm	mm	mm	mm	mm	mm	kg/km	Ω/km	M Ω -km	m
C31024501	2 x 1.5	1.5	7:CR	1.56	0.7	1.0	0.90	1.8	15.0	370	12.1	1.1098	1,000/R
C31024502	2 x 2.5	2.5	7:CR	2.01	0.7	1.0	0.90	1.8	16.0	420	7.41	0.9229	1,000/R
C31024004	2 x 4	4	7:CR	2.52	0.7	1.0	0.90	1.8	17.0	495	4.61	0.7762	1,000/R
C31024006	2 x 6	6	7:CR	3.09	0.7	1.0	0.90	1.8	18.0	585	3.08	0.6598	1,000/R
C31024010	2 x 10	10	7:CR	3.99	0.7	1.0	1.25	1.8	21.5	835	1.83	0.5340	1,000/R
C31028016	2 x 16	16	7:CP	4.69	0.7	1.0	1.25	1.8	22.5	995	1.15	0.4636	1,000/R
C31028025	2 x 25	25	7:CP	5.90	0.9	1.0	1.60	1.8	27.0	1,470	0.727	0.4612	1,000/R
C31028035	2 x 35	35	7:CP	6.95	0.9	1.0	1.60	1.8	29.0	1,775	0.524	0.3996	1,000/R
C31028050	2 x 50	50	19:CP	8.33	1.0	1.0	1.60	1.8	32.5	2,245	0.387	0.3704	1,000/R
C31028070	2 x 70	70	19:CP	9.73	1.1	1.0	1.60	2.0	36.0	2,825	0.268	0.3482	1,000/R
C31028095	2 x 95	95	19:CP	11.45	1.1	1.2	2.00	2.1	41.0	3,840	0.193	0.3007	500/R
C31028120	2 x 120	120	19:CP	12.95	1.2	1.2	2.00	2.2	45.0	4,600	0.153	0.2890	500/R
C31028150	2 x 150	150	37:CP	14.27	1.4	1.2	2.00	2.3	49.0	5,455	0.124	0.3014	500/R
C31028185	2 x 185	185	37:CP	15.98	1.6	1.4	2.50	2.5	55.0	6,980	0.0991	0.3047	250/R
C31028240	2 x 240	240	37:CP	18.47	1.7	1.4	2.50	2.7	61.5	8,590	0.0754	0.2813	250/R
C31028300	2 x 300	300	61:CP	20.68	1.8	1.6	2.50	2.8	67.5	10,310	0.0601	0.2664	250/R
C31028400	2 x 400	400	61:CP	23.39	2.0	1.6	2.50	3.1	74.5	12,880	0.0470	0.2609	200/R



CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : CTW-CV-SWA THREE CORES CU/XLPE/SWA/PVC 0.6/1(1.2) kV

LOW VOLTAGE CROSS-LINKED POLYETHYLENE POWER CABLE COPPER CONDUCTOR WITH GALVANIZED STEEL WIRE ARMOUR



CONSTRUCTION

Conductor	Compact or Round concentric lay stranded copper - CR : Concentric lay stranded of conductor : ≤ 10 sq.mm. - CP : Compact round concentric lay stranded of conductor : > 10 sq.mm.
Insulation	Cross-linked polyethylene (XLPE) Colour : Brown, Black, Grey
Bedding	Polyvinyl chloride (PVC:ST2) Optional : Polyethylene (PE:ST7) Colour : Black
Armour	Galvanized Steel Wire (SWA)
Separator Tape	Polyester and/or Spunbond tape
Outer Sheath	Polyvinyl chloride (PVC:ST2) Optional : Polyethylene (PE:ST7) Colour : Black

APPLICATION

Preferably used for installation exposed or in raceway wet or dry location or direct burial in ground.

CLASSIFICATION

Maximum conductor temperature 90°C
Circuit voltage does not exceed 1,000 volts.

REFERENCE

⚡ TIS 2143
IEC 60228, IEC 60502-1
AC Test Voltage : 3.5 kV

NOTE

A special FR-PVC or Low Smoke Halogen Free (LSHF)* Flame Retardant Sheath can be supplied in accordance with IEC 60332-3,
*For LSHF : IEC 60754, IEC 61034

CTW-CV-SWA		Conductor			Thickness of Insulation	Thickness of Bedding	Armour Wire Diameter	Thickness of Outer Sheath	Overall Diameter (Approx.)	Cable Weight (Approx.)	Maximum Conductor Resistance at 20°C	Minimum Insulation Resistance at 90°C	Standard Packing
PRODUCT CODE	SIZE sq.mm.	Nominal Cross-Sectional Area sq.mm.	Number of Wire No.	Diameter (Approx.) mm	mm	mm	mm	mm	mm	kg/km	Ω/km	$\text{M}\Omega\text{-km}$	m
C31034501	3 x 1.5	1.5	7:CR	1.56	0.7	1.0	0.90	1.8	15.5	400	12.1	1.1098	1,000/R
C31034502	3 x 2.5	2.5	7:CR	2.01	0.7	1.0	0.90	1.8	16.5	465	7.41	0.9229	1,000/R
C31034004	3 x 4	4	7:CR	2.52	0.7	1.0	0.90	1.8	18.0	555	4.61	0.7762	1,000/R
C31034006	3 x 6	6	7:CR	3.09	0.7	1.0	0.90	1.8	19.0	665	3.08	0.6598	1,000/R
C31034010	3 x 10	10	7:CR	3.99	0.7	1.0	1.25	1.8	22.5	970	1.83	0.5340	1,000/R
C31038016	3 x 16	16	7:CP	4.69	0.7	1.0	1.25	1.8	24.0	1,185	1.15	0.4636	1,000/R
C31038025	3 x 25	25	7:CP	5.90	0.9	1.0	1.60	1.8	28.0	1,760	0.727	0.4612	1,000/R
C31038035	3 x 35	35	7:CP	6.95	0.9	1.0	1.60	1.8	30.5	2,175	0.524	0.3996	1,000/R
C31038050	3 x 50	50	19:CP	8.33	1.0	1.0	1.60	1.9	34.5	2,790	0.387	0.3704	1,000/R
C31038070	3 x 70	70	19:CP	9.73	1.1	1.2	2.00	2.0	39.5	3,880	0.268	0.3482	500/R
C31038095	3 x 95	95	19:CP	11.45	1.1	1.2	2.00	2.2	43.5	4,860	0.193	0.3007	500/R
C31038120	3 x 120	120	19:CP	12.95	1.2	1.2	2.00	2.3	48.0	5,840	0.153	0.2890	500/R
C31038150	3 x 150	150	37:CP	14.27	1.4	1.4	2.50	2.5	53.5	7,510	0.124	0.3014	250/R
C31038185	3 x 185	185	37:CP	15.98	1.6	1.4	2.50	2.6	59.0	8,990	0.0991	0.3047	250/R
C31038240	3 x 240	240	37:CP	18.47	1.7	1.6	2.50	2.8	65.5	11,145	0.0754	0.2813	250/R
C31038300	3 x 300	300	61:CP	20.68	1.8	1.6	2.50	3.0	71.5	13,425	0.0601	0.2664	200/R
C31038400	3 x 400	400	61:CP	23.39	2.0	1.6	2.50	3.2	79.5	17,005	0.0470	0.2609	150/R

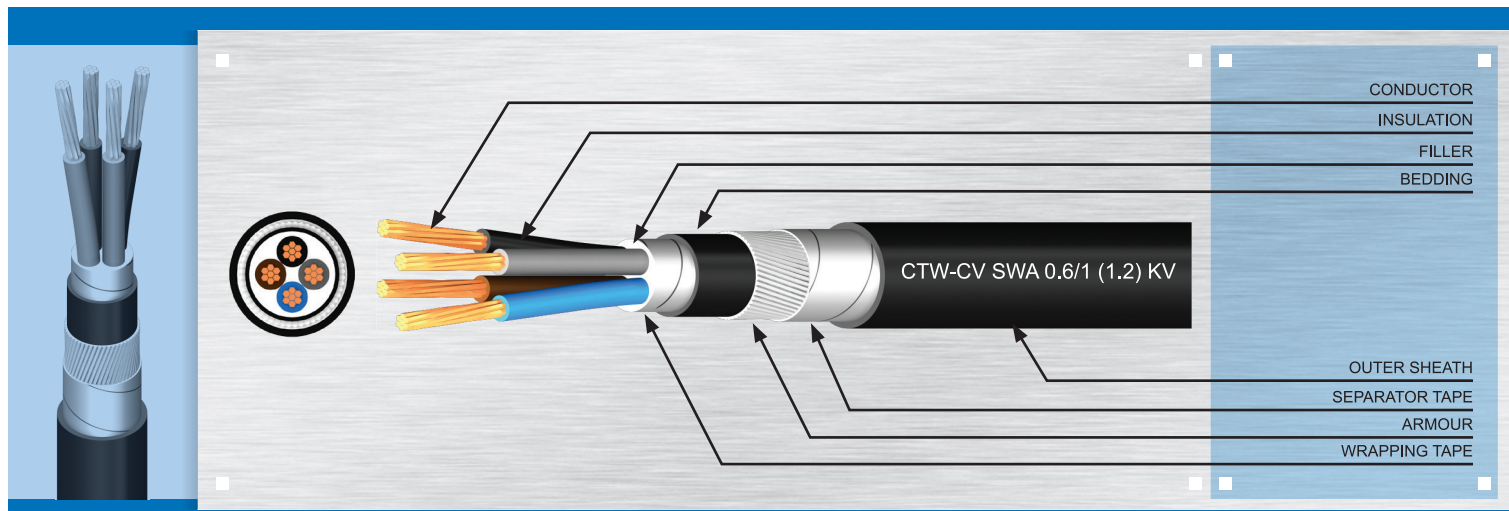
C = Packing in coil
R = Packing in reel



CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : CTW-CV-SWA FOUR CORES CU/XLPE/SWA/PVC 0.6/1(1.2) kV

LOW VOLTAGE CROSS-LINKED POLYETHYLENE POWER CABLE COPPER CONDUCTOR WITH GALVANIZED STEEL WIRE ARMOUR



CONSTRUCTION

Conductor	Compact or Round concentric lay stranded copper - CR : Concentric lay stranded of conductor : ≤ 10 sq.mm. - CP : Compact round concentric lay stranded of conductor : > 10 sq.mm.
Insulation	Cross-linked polyethylene (XLPE) Colour : Blue, Brown, Black, Grey
Bedding	Polyvinyl chloride (PVC:ST2) Optional : Polyethylene (PE:ST7) Colour : Black
Armour	Galvanized Steel Wire (SWA)
Separator Tape	Polyester and/or Spunbond tape
Outer Sheath	Polyvinyl chloride (PVC:ST2) Optional : Polyethylene (PE:ST7) Colour : Black

APPLICATION

Preferably used for installation exposed or in raceway wet or dry location or direct burial in ground.

CLASSIFICATION

Maximum conductor temperature 90°C
Circuit voltage does not exceed 1,000 volts.

REFERENCE

⚡ TIS 2143
IEC 60228, IEC 60502-1
AC Test Voltage : 3.5 kV

NOTE

A special FR-PVC or Low Smoke Halogen Free (LSHF)* Flame Retardant Sheath can be supplied in accordance with IEC 60332-3,
*For LSHF : IEC 60754, IEC 61034

CTW-CV-SWA		Conductor			Thickness of Insulation	Thickness of Bedding	Armour Wire Diameter	Thickness of Outer Sheath	Overall Diameter (Approx.)	Cable Weight (Approx.)	Maximum Conductor Resistance at 20°C	Minimum Insulation Resistance at 90°C	Standard Packing
PRODUCT CODE	SIZE sq.mm.	Nominal Cross-Sectional Area sq.mm.	Number of Wire No.	Diameter (Approx.) mm	mm	mm	mm	mm	mm	kg/km	Ω/km	M Ω -km	m
C31044501	4 x 1.5	1.5	7:CR	1.56	0.7	1.0	0.90	1.8	16.5	445	12.1	1.1098	1,000/R
C31044502	4 x 2.5	2.5	7:CR	2.01	0.7	1.0	0.90	1.8	17.5	530	7.41	0.9229	1,000/R
C31044004	4 x 4	4	7:CR	2.52	0.7	1.0	0.90	1.8	19.0	640	4.61	0.7762	1,000/R
C31044006	4 x 6	6	7:CR	3.09	0.7	1.0	1.25	1.8	21.0	880	3.08	0.6598	1,000/R
C31044010	4 x 10	10	7:CR	3.99	0.7	1.0	1.25	1.8	24.0	1,140	1.83	0.5340	1,000/R
C31048016	4 x 16	16	7:CP	4.69	0.7	1.0	1.60	1.8	26.5	1,565	1.15	0.4636	1,000/R
C31048025	4 x 25	25	7:CP	5.90	0.9	1.0	1.60	1.8	30.5	2,125	0.727	0.4612	1,000/R
C31048035	4 x 35	35	7:CP	6.95	0.9	1.0	1.60	1.9	33.0	2,645	0.524	0.3996	1,000/R
C31048050	4 x 50	50	19:CP	8.33	1.0	1.0	1.60	2.0	37.5	3,450	0.387	0.3704	500/R
C31048070	4 x 70	70	19:CP	9.73	1.1	1.2	2.00	2.2	43.0	4,800	0.268	0.3482	500/R
C31048095	4 x 95	95	19:CP	11.45	1.1	1.2	2.00	2.3	47.5	6,045	0.193	0.3007	500/R
C31048120	4 x 120	120	19:CP	12.95	1.2	1.4	2.50	2.5	54.0	7,800	0.153	0.2890	250/R
C31048150	4 x 150	150	37:CP	14.27	1.4	1.4	2.50	2.6	59.0	9,430	0.124	0.3014	250/R
C31048185	4 x 185	185	37:CP	15.98	1.6	1.4	2.50	2.8	64.5	11,255	0.0991	0.3047	250/R
C31048240	4 x 240	240	37:CP	18.47	1.7	1.6	2.50	3.0	72.0	14,075	0.0754	0.2813	200/R
C31048300	4 x 300	300	61:CP	20.68	1.8	1.6	2.50	3.2	79.0	16,980	0.0601	0.2664	150/R
C31048400	4 x 400	400	61:CP	23.39	2.0	1.8	3.15	3.5	89.5	22,745	0.0470	0.2609	100/R