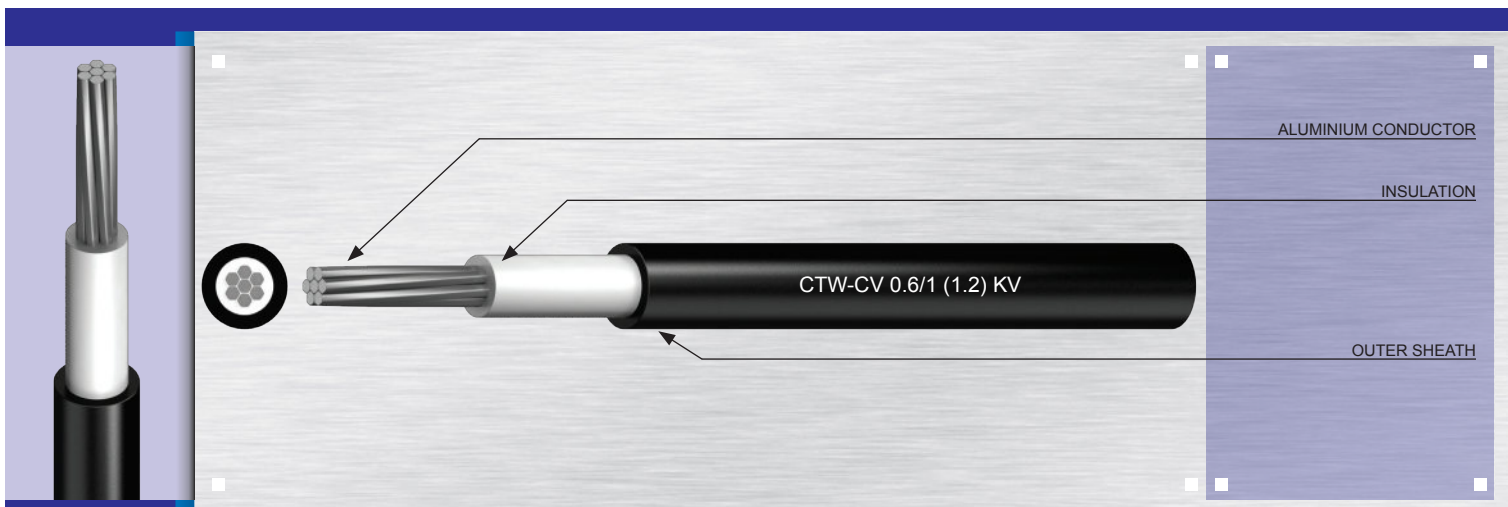
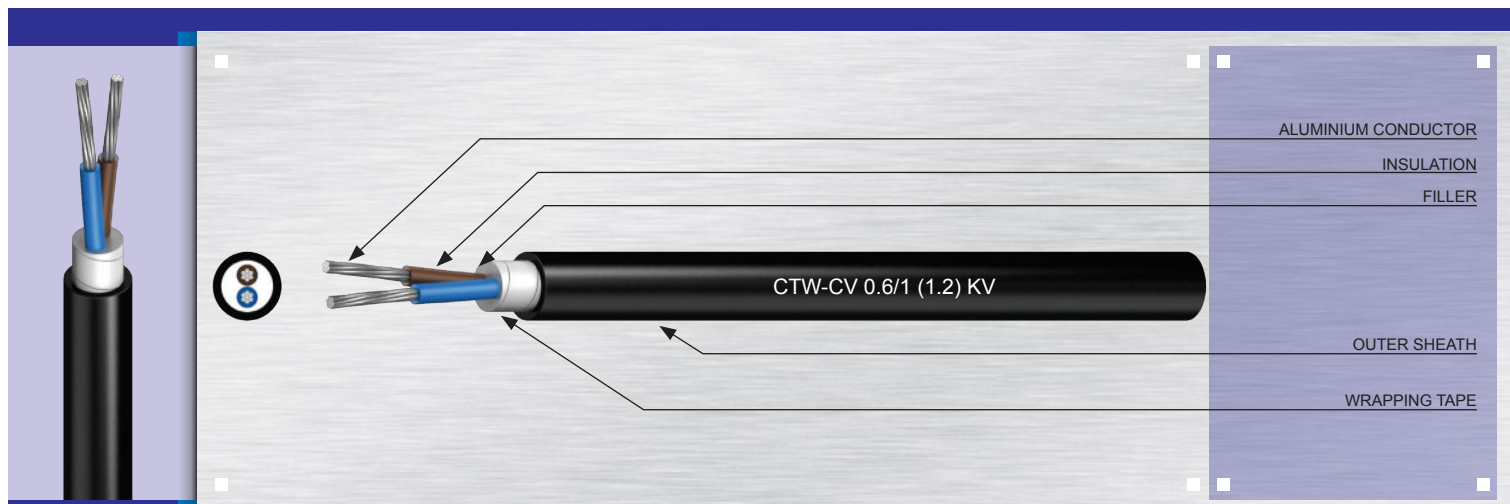




CONSTRUCTION		APPLICATION	CLASSIFICATION
Conductor	Compact concentric lay stranded hard drawn aluminium wire Sizes 16 sq.mm. up to 500 sq.mm.	Preferably used for installation exposed or in raceway wet or dry location or direct burial in ground.	Maximum conductor temperature 80°C. Circuit voltage does not exceed 1,000 volts.
Insulation	Cross-linked polyethylene (XLPE) Colour : Natural		
Sheath	Polyvinyl chloride (PVC:ST2) Optional : Polyethylene (PE:ST7) Colour : Black	REFERENCE	NOTE
		TIS 2143 IEC 60228, IEC 60502-1, AS/NZS 5000.1 AC Test Voltage : 3.5 kV	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		Construction			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	Minimum Number of Wire	Diameter (Approx.)							
PRODUCT CODE	SIZE core x sq.mm.	sq.mm.	No	mm	mm	mm.	mm.	kg/km	Ω/km	MΩ-km	m/R
A52300016	1 x 16	16	6	4.69	0.7	1.4	10.5	115	1.91	0.4636	1,000
A52300025	1 x 25	25	6	5.90	0.9	1.4	12.0	160	1.20	0.4612	1,000
A52300035	1 x 35	35	6	6.95	0.9	1.4	13.5	195	0.868	0.3996	1,000
A52300050	1 x 50	50	6	8.00	1.0	1.4	14.5	245	0.641	0.3796	1,000
A52300070	1 x 70	70	12	9.73	1.1	1.4	16.5	325	0.443	0.3482	1,000
A52300095	1 x 95	95	15	11.45	1.1	1.5	18.5	420	0.320	0.3007	1,000
A52300120	1 x 120	120	15	12.95	1.2	1.5	20.0	510	0.253	0.289	1,000
A52300150	1 x 150	150	15	14.27	1.4	1.6	22.0	625	0.206	0.3014	1,000
A52300185	1 x 185	185	30	15.98	1.6	1.6	24.5	760	0.164	0.3047	1,000
A52300240	1 x 240	240	30	18.47	1.7	1.7	27.5	970	0.125	0.2813	1,000
A52300300	1 x 300	300	30	20.68	1.8	1.8	30.0	1,190	0.100	0.2664	1,000
A52300400	1 x 400	400	53	23.39	2.0	1.9	33.5	1,495	0.0778	0.2609	1,000
A52300500	1 x 500	500	53	26.67	2.2	2.0	38.0	1,890	0.0605	0.2513	1,000

R = Packing in reel



CONSTRUCTION

Conductor	Compact concentric lay stranded hard drawn aluminium wire Sizes 16 sq.mm. up to 500 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 80°C. Circuit voltage does not exceed 1,000 volts.

REFERENCE



TIS 2143
IEC 60228, IEC 60502-1,
AS/NZS 5000.1
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

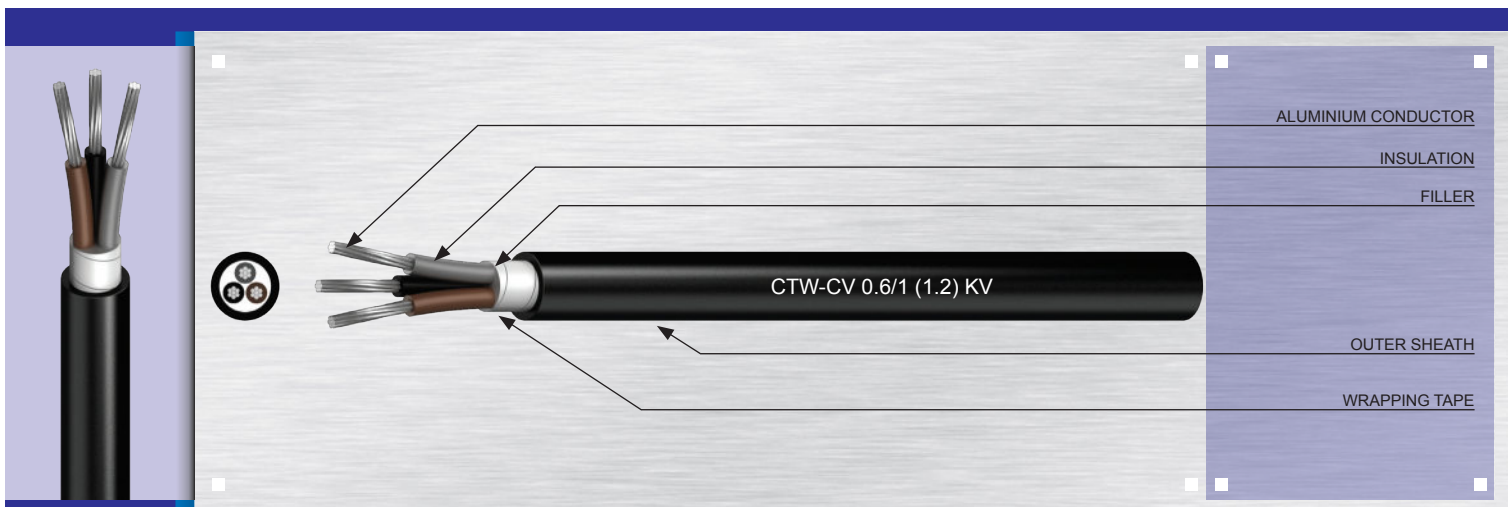
CTW-CV		Construction			Thickness of Insulation	Thickness of Sheath	Overall Diameter (Approx.)	Cable Weight (Approx.)	Maximum Conductor Resistance at 20°C	Minimum Insulation Resistance at 90°C	Standard Packing
		Nominal Cross-Sectional Area	Minimum Number of Wire	Diameter (Approx.)							
PRODUCT CODE	SIZE core x sq.mm.	sq.mm.	No	mm	mm	mm.	mm.	kg/km	Ω/km	MΩ-km	m/R
A54300016	2 x 16	16	6	4.69	0.7	1.8	18.5	300	1.91	0.4636	1,000
A54300025	2 x 25	25	6	5.90	0.9	1.8	21.5	420	1.20	0.4612	1,000
A54300035	2 x 35	35	6	6.95	0.9	1.8	24.0	520	0.868	0.3996	1,000
A54300050	2 x 50	50	6	8.00	1.0	1.8	26.5	655	0.641	0.3796	1,000
A54300070	2 x 70	70	12	9.73	1.1	1.8	30.5	865	0.443	0.3482	1,000
A54300095	2 x 95	95	15	11.45	1.1	1.9	34.5	1,120	0.320	0.3007	1,000
A54300120	2 x 120	120	15	12.95	1.2	2.0	38.0	1,385	0.253	0.2890	1,000
A54300150	2 x 150	150	15	14.27	1.4	2.2	42.5	1,700	0.206	0.3014	1,000
A54300185	2 x 185	185	30	15.98	1.6	2.3	47.0	2,095	0.164	0.3047	1,000
A54300240	2 x 240	240	30	18.47	1.7	2.5	53.0	2,685	0.125	0.2813	1,000
A54300300	2 x 300	300	30	20.68	1.8	2.6	58.5	3,265	0.100	0.2664	500
A54300400	2 x 400	400	53	23.39	2.0	2.9	65.5	4,155	0.0778	0.2609	500
A54300500	2 x 500	500	53	26.67	2.2	3.1	74.0	5,255	0.0605	0.2513	500



CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

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

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



CONSTRUCTION

Conductor	Compact concentric lay stranded hard drawn aluminium wire Sizes 16 sq.mm. up to 500 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,
AS/NZS 5000.1
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		Construction			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	Minimum Number of Wire	Diameter (Approx.)							
PRODUCT CODE	SIZE core x sq.mm.	sq.mm.	No	mm	mm	mm.	mm.	kg/km	Ω/km	MΩ-km	m/R
A54400016	3 x 16	16	6	4.69	0.7	1.8	19.5	360	1.91	0.4636	1,000
A54400025	3 x 25	25	6	5.90	0.9	1.8	23.0	510	1.20	0.4612	1,000
A54400035	3 x 35	35	6	6.95	0.9	1.8	25.5	640	0.868	0.3996	1,000
A54400050	3 x 50	50	6	8.00	1.0	1.8	28.5	810	0.641	0.3796	1,000
A54400070	3 x 70	70	12	9.73	1.1	1.9	33.0	1,105	0.443	0.3482	1,000
A54400095	3 x 95	95	15	11.45	1.1	2.0	37.0	1,430	0.320	0.3007	1,000
A54400120	3 x 120	120	15	12.95	1.2	2.1	41.0	1,770	0.253	0.2890	1,000
A54400150	3 x 150	150	15	14.27	1.4	2.3	45.5	2,175	0.206	0.3014	1,000
A54400185	3 x 185	185	30	15.98	1.6	2.4	50.5	2,690	0.164	0.3047	1,000
A54400240	3 x 240	240	30	18.47	1.7	2.6	57.0	3,445	0.125	0.2813	500
A54400300	3 x 300	300	30	20.68	1.8	2.7	62.5	4,205	0.100	0.2664	500
A54400400	3 x 400	400	53	23.39	2.0	3.0	70.5	5,345	0.0778	0.2609	500
A54400500	3 x 500	500	53	26.67	2.2	3.2	79.5	6,775	0.0605	0.2513	300

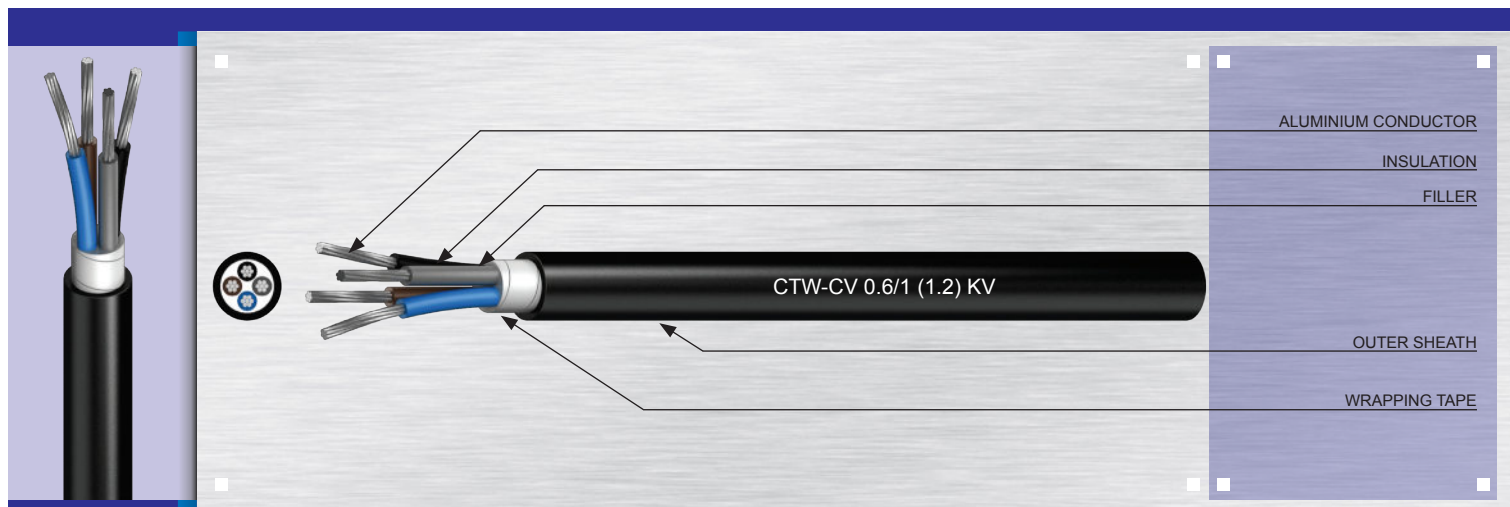
R = Packing in reel



CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

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

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



CONSTRUCTION

Conductor	Compact concentric lay stranded hard drawn aluminium wire Sizes 16 sq.mm. up to 500 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,
AS/NZS 5000.1
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		Construction			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	Minimum Number of Wire	Diameter (Approx.)							
PRODUCT CODE	SIZE core x sq.mm.	sq.mm.	No	mm	mm	mm.	mm.	kg/km	Ω/km	MΩ-km	m/R
A54500016	4 x 16	16	6	4.69	0.7	1.8	21.0	440	1.91	0.4636	1,000
A54500025	4 x 25	25	6	5.90	0.9	1.8	25.0	640	1.20	0.4612	1,000
A54500035	4 x 35	35	6	6.95	0.9	1.8	28.0	805	0.868	0.3996	1,000
A54500050	4 x 50	50	6	8.00	1.0	1.8	31.0	1,030	0.641	0.3796	1,000
A54500070	4 x 70	70	12	9.73	1.1	2.0	36.5	1,415	0.443	0.3482	1,000
A54500095	4 x 95	95	15	11.45	1.1	2.1	41.0	1,845	0.32	0.3007	1,000
A54500120	4 x 120	120	15	12.95	1.2	2.3	45.5	2,310	0.253	0.2890	1,000
A54500150	4 x 150	150	15	14.27	1.4	2.4	50.5	2,810	0.206	0.3014	1,000
A54500185	4 x 185	185	30	15.98	1.6	2.6	56.0	3,505	0.164	0.3047	500
A54500240	4 x 240	240	30	18.47	1.7	2.8	63.5	4,495	0.125	0.2813	500
A54500300	4 x 300	300	30	20.68	1.8	3.0	70.0	5,515	0.100	0.2664	500
A54500400	4 x 400	400	53	23.39	2.0	3.3	78.5	7,010	0.0778	0.2609	300
A54500500	4 x 500	500	53	26.67	2.2	3.5	88.5	8,880	0.0605	0.2513	300

R = Packing in reel