

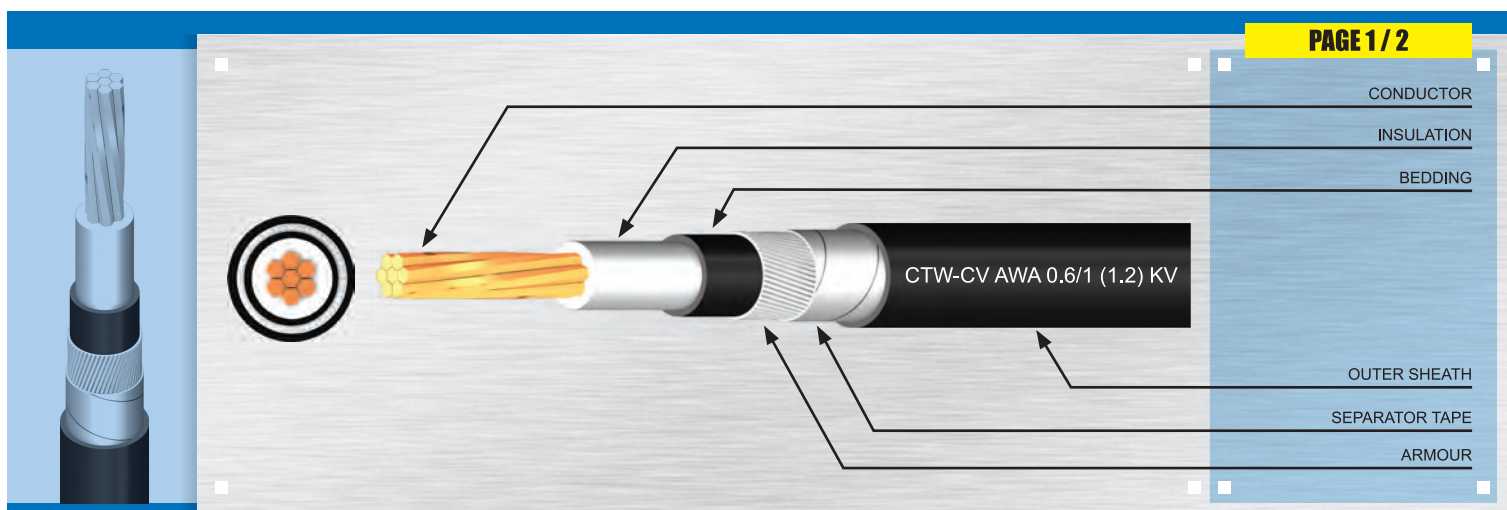


CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

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	M Ω -km	m
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

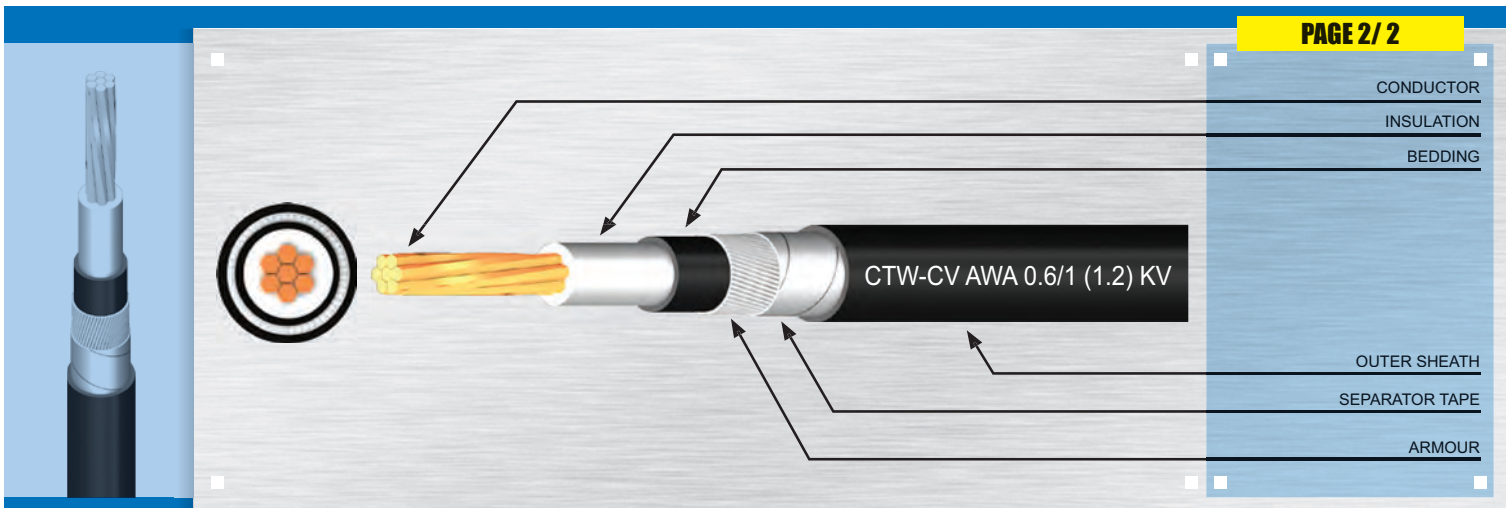


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C30018400	1 x 400	400	61:CP	23.39	2.0	1.2	2.00	2.0	40.5	4,725	0.0470	0.2609	500/R
C30018500	1 x 500	500	61:CP	26.67	2.2	1.2	2.00	2.2	45.0	5,815	0.0366	0.2513	500/R
C30018630	1 x 630	630	91:CP	30.20	2.4	1.2	2.00	2.3	49.0	7,175	0.0283	0.2420	250/R
C30018800	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