



1. SCOPE

Cover the requirements of EC Aluminum Redraw Rod 9.5 mm. (3/8") in diameter produced by Continuous Casting Process, for drawing into wire for electrical conductor.

2 MATERIAL

The aluminum rod shall have a minimum purity of 99.5% aluminum and the chemical composition limit specification

Table No.1 : CHEMICAL REQUIREMENTS

Elements	% Composition	
Silicon	maximum	0.10
Iron	maximum	0.40
Manganese	maximum	0.05
Chromium	maximum	0.01
Zinc	maximum	0.05
Boron	maximum	0.05
Gallium	maximum	0.03
Vanadium + Titanium	total maximum	0.02
Other Elements	each maximum	0.03
Other Elements	total maximum	0.10
Aluminum	minimum	99.50

3 PROPERTIES AND DIMENSION

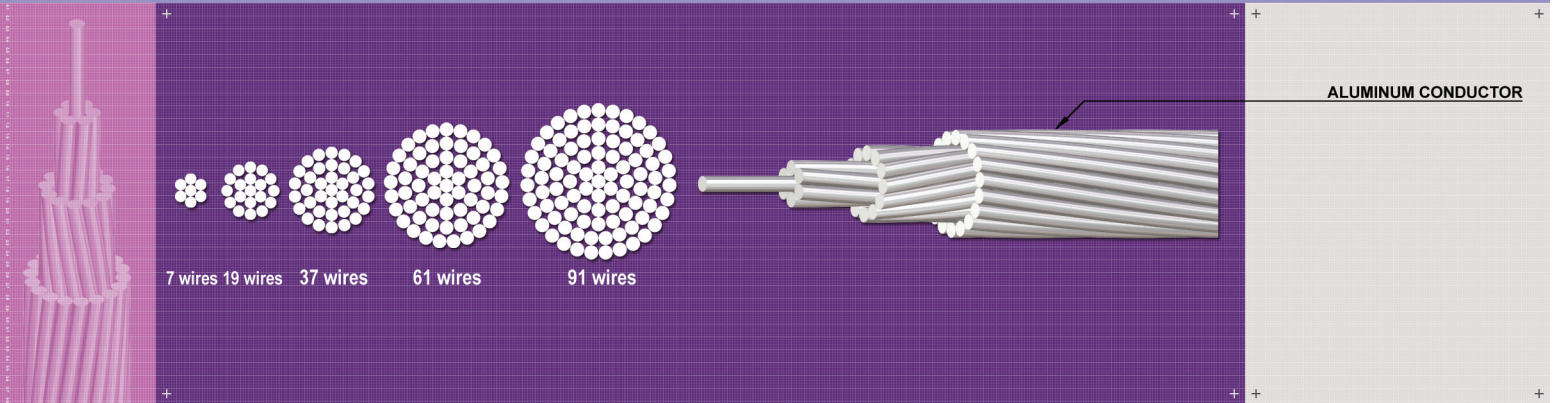
Description	Unit	Technical data
1. Product Code		Aluminum Rod
2. Nominal diameter	mm.	9.5
3. Minimum conductivity	%	61
4. Maximum resistivity	Ω -mm ² / m	0.028264
5. Nominal density	g / cm ³	2.703
6. Minimum tensile strength	kgf / mm ²	10.50 - 14.00 (classified as EC H - 14)
7. Minimum elongation	%	5
8. Standard packing	kg / coil	2000



CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW-AAC**

ALL-ALUMINUM CONDUCTORS



CONSTRUCTION

The standard bare All-Aluminum Conductor (AAC) are concentric-lay-stranded of aluminum wire only.

APPLICATION

AAC are used primarily for overhead transmission and primary and secondary distribution.

REFERENCE



- * TIS 85-2522
- * IEC 207
- * DIN. 48201

Product Code	Conductor Size mm ²	Construction		Overall diameter of conductor mm.	Approximate weight kg/km	Maximum DC. conductor resistance at 20°C Ω/km.	Rated strength kgf	Rated current A	Standard length m.
		Number of wires	Diameter of wires mm.						
A70100016	16	7	1.7	5.10	44	1.802	290	110	3,000/R
A70100025	25	7	2.14	6.42	69	1.137	440	145	3,000/R
A70100035	35	7	2.52	7.56	96	0.820	585	180	3,000/R
A70100050	50	7	3.02	9.06	137	0.571	805	225	2,500/R
A70100051	50	19	1.83	9.15	137	0.576	890	225	2,500/R
A70100070	70	19	2.15	10.75	190	0.417	1,205	270	2,500/R
A70100095	95	19	2.52	12.60	261	0.304	1,585	340	2,000/R
A70100120	120	19	2.85	14.25	333	0.237	1,980	390	2,000/R
A701000150	150	37	2.25	15.75	406	0.196	2,570	455	2,000/R
A701000185	185	37	2.52	17.64	509	0.156	3,085	550	2,000/R
A701000240	240	61	2.25	20.25	670	0.119	4,015	625	1,500/R
A701000300	300	61	2.52	22.68	840	0.095	4,820	710	1,500/R
A701000400	400	61	2.85	25.65	1,075	0.074	6,025	855	1,000/R
A701000500	500	61	3.25	29.25	1,398	0.057	7,695	990	1,000/R
A701000625	625	61	2.96	32.56	1,735	0.046	9,694	1,140	500/R
A701000800	800	91	3.35	36.85	2,222	0.036	12,055	1,340	500/R
A701001000	1,000	91	3.74	41.14	2,769	0.029	14,845	1,540	500/R

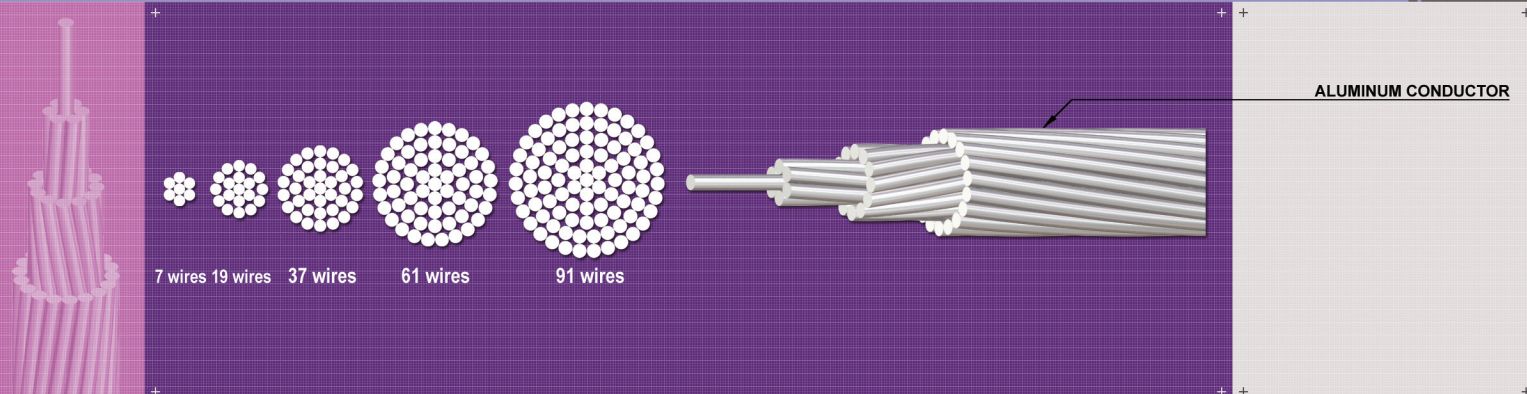


CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW-AAC**

ALL-ALUMINUM CONDUCTORS

PAGES 1 / 4



CONSTRUCTION	APPLICATION	REFERENCE
The standard bare All-Aluminum Conductor (AAC) are concentric-lay-stranded of aluminum wire only.	AAC are used primarily for overhead transmission and primary and secondary distribution.	* ASTM B 231

Product Code	Word Code	Conductor Size		Construction		Overall diameter of conductor	Approximate weight 1000/lb (kg/km)	Maximum DC. conductor resistance at 20°C Ω/km.	Rated strength Kip.(kN.)	Rated current A	Standard length m.
		Cmils or AWG	mm ²	Number of wires	Diameter of wires inch.(mm.)						
A10102750	Bitterroot	2750000	1,393	91	0.1738 (4.42)	1.912 (48.60)	2,602 (3872)	0.0209	46.1 (205)	1,795	500/R
A10102500	Lupine	2500000	1,267	91	0.1657 (4.21)	1.823 (46.30)	2,365 (3519)	0.0230	41.9 (186)	1,706	500/R
A10102250	Sagebrush	2250000	1,140	91	0.1572 (3.99)	1.729 (43.80)	2,128 (3166)	0.0256	37.7 (167)	1,612	500/R
A10102000	Cowslip	2000000	1,013	91	0.1482 (3.77)	1.333 (41.40)	1,873 (2787)	0.0287	34.2 (153)	1,518	500/R
A10101750	Jessamine	1750000	886.7	61	0.1694 (4.30)	1.863 (38.70)	1,641 (2442)	0.0325	29.7 (132)	1,408	500/R
A10101590	Coreopsis	1590000	805.7	61	0.1614 (4.10)	1.775 (36.90)	1,489 (2216)	0.0359	27.0 (120)	1,333	500/R
A10101510	Giadious	1510500	765.4	61	0.1574 (4.00)	1.731 (36.00)	1,417 (2108)	0.0376	25.6 (114)	1,294	500/R
A10101431	Camation	1431000	725.1	61	0.1523 (3.89)	1.370 (35.00)	1,342 (1997)	0.0340	24.3 (108)	1,253	500/R
A10101351	Columbine	1351000	694.8	61	0.1488 (3.78)	1.339 (34.00)	1,266 (1884)	0.0421	23.4 (104)	1,212	500/R
A10101272	Narcissus	1272000	644.5	61	0.1444 (3.67)	1.299 (33.00)	1,192 (1774)	0.0447	22.0 (98.1)	1,169	500/R
A10101192	Hawthorn	1192500	604.2	61	0.1398 (3.55)	1.258 (31.90)	1,117 (1662)	0.0478	21.1 (93.5)	1,124	500/R
A10101113	Marigold	1113000	564	61	0.1351 (3.43)	1.215 (30.80)	1,044 (1553)	0.0512	19.7 (87.3)	1,079	500/R
A10101033	Bluebell	1033500	523.7	37	0.1671 (4.25)	1.169 (29.70)	968.4 (1441)	0.0549	17.7 (81.3)	1,031	500/R
A10101033(1)	Larkspur	1033500	523.7	61	0.1302 (3.31)	1.188 (29.70)	969.2 (1442)	0.0549	18.3 (81.3)	1,032	1,000/R
A10101000	Hawthorn	1000000	506.7	37	0.1644 (4.18)	1.150 (20.90)	937.3 (1395)	0.0568	17.2 (76.2)	1,010	1,000/R
A10101000(1)	Camellia	1000000	506.7	61	0.1280 (3.25)	1.52 (29.20)	936.8 (1394)	0.0568	17.7 (78.3)	1,011	1,000/R

** Conductor temperature of 75 °C, ambient temperature 25 °C, emissivity 0.5, wind 2 ft/sec. In sun

C = Packing in coil
R = Packing in reel

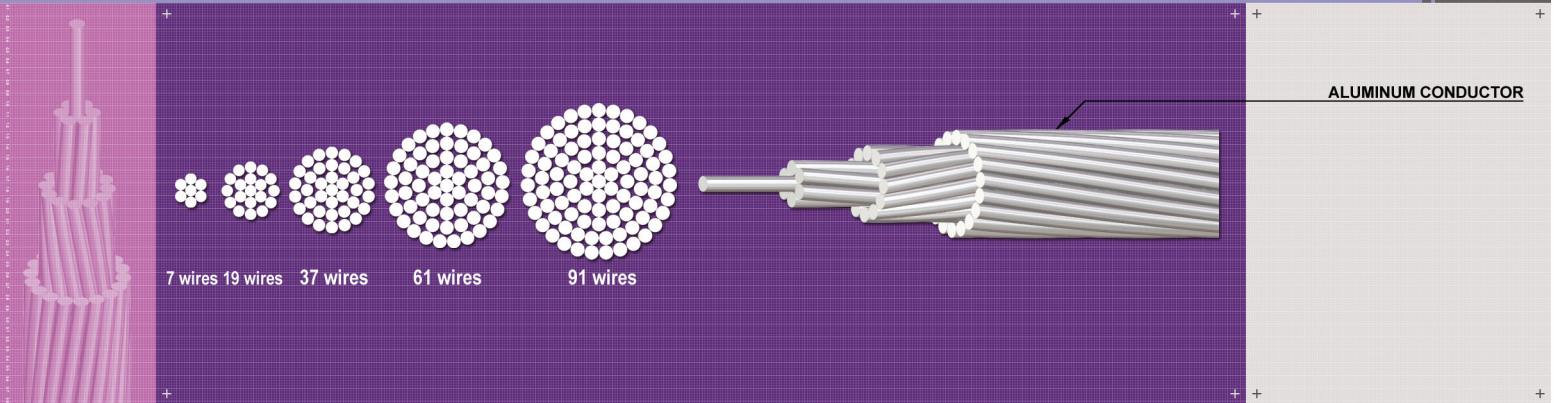


CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW-AAC**

ALL-ALUMINUM CONDUCTORS

PAGES 2 / 4



CONSTRUCTION

The standard bare All-Aluminum Conductor (AAC) are concentric-lay-stranded of aluminum wire only.

APPLICATION

AAC are used primarily for overhead transmission and primary and secondary distribution.

REFERENCE

* ASTM B 231

Product Code	Word Code	Conductor Size		Construction		Overall diameter of conductor inch.(mm.)	Approximate weight lb/1000ft (kg/km)	Maximum DC. conductor resistance at 20°C Ω/km.	Rated strength Kip.(kN.)	Rated current A	Standard length m.
		Cmils or AWG	mm ²	Number of wires	Diameter of wires inch.(mm.)						
A10100945	Magnolia	954000	483.4	37	0.1606(4.08)	1.24(28.50)	894.5(1331)	0.0595	16.4(72.6)	982	1,000/R
A10100945(1)	Goldenrod	954000	483.4	61	0.1251(3.18)	1.25(28.60)	894.5(1331)	0.0595	16.9(75.0)	983	1,000/R
A10100900	Cockscomb	900000	456.0	37	0.1560(3.96)	1.092(27.70)	844(1256)	0.0633	16.4(68.4)	948	1,000/R
A10100900(1)	Snapdragon	900000	456.0	61	0.1215(3.09)	1.083(27.80)	844(1256)	0.0630	15.9(70.8)	948	1,000/R
A10100795	Arbutus	795000	402.8	37	0.1466(3.72)	1.062(26.00)	745.3(1109)	0.0717	13.9(61.8)	878	1,000/R
A10100795(1)	Lilac	795000	402.8	61	0.1142(2.90)	1.027(26.10)	745.7(1110)	0.0716	14.3(63.8)	879	1,000/R
A101007500	Petunia	750000	380	37	0.1424(3.62)	0.996(25.30)	703.2(1046)	0.0757	13.1(58.6)	847	1,000/R
A10100750(1)	Cattail	750000	380	61	0.1109(2.82)	0.998(25.30)	703.2(1046)	0.0757	13.5(60.3)	847	1,000/R
A10100715	Violet	715500	362.6	37	0.1391(3.53)	0.973(24.70)	671(998.5)	0.0796	12.8(56.7)	823	1,500/R
A10100715(1)	Nasturtium	715500	362.6	61	0.1083(2.75)	0.974(24.70)	671(998.5)	0.0796	13.1(58.4)	823	1,500/R
A10100700	Verbena	700000	354.7	37	0.1375(3.49)	0.949(24.40)	655.7(957.7)	0.0815	12.5(55.4)	812	1,500/R
A10100700(1)	Flag	700000	354.7	61	0.1071(2.72)	0.963(24.40)	655.7(957.7)	0.0815	12.9(57.1)	812	1,500/R
A10100650	Heuchera	650000	329.4	37	0.1326(3.37)	0.930(23.50)	609.8(907.4)	0.0874	11.6(51.7)	775	1,500/R
A10100636	Orchid	636000	322.3	37	0.1311(3.33)	0.917(23.30)	596(886.9)	0.0895	11.4(50.4)	765	1,500/R
A10100600	Meadowsweet	600000	304.4	37	0.1273(3.23)	0.891(22.60)	562(836.3)	0.0951	10.7(47.5)	738	1,500/R
A10100556	Dahlia	556500	282	19	0.1711(4.35)	0.855(21.70)	521.4(775.8)	0.1021	9.75(43.3)	703	1,500/R

** Conductor temperature of 75 °C, ambient temperature 25 °C, emissivity 0.5, wind 2 ft/sec. In sun

04 Aluminum Wire And Cable

C = Packing in coil
R = Packing in reel

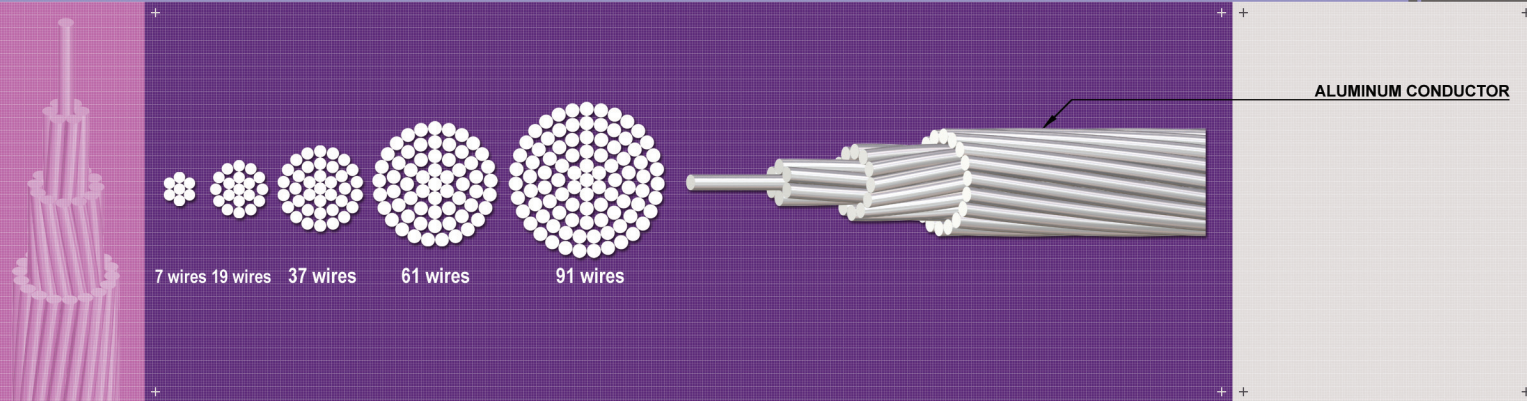


CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW-AAC**

ALL-ALUMINUM CONDUCTORS

PAGES 3/4



CONSTRUCTION

The standard bare All-Aluminum Conductor (AAC) are concentric-lay-stranded of aluminum wire only.

APPLICATION

AAC are used primarily for overhead transmission and primary and secondary distribution.

REFERENCE

* ASTM B 231

Product Code	Word Code	Conductor Size		Construction		Overall diameter of conductor	Approximate weight	Maximum DC. conductor resistance at 20°C	Rated strength	Rated current	Standard length
		Cmils or AWG	mm ²	Number of wires	Diameter of wires						
					inch.(mm.)	inch.(mm.)	lb/1000ft (kg/km)	Ω/km.	Kip.(kN.)	A	m.
A10100556(1)	Mistletoe	556500	282	37	0.1226(3.12)	0.858(21.80)	521.3(775.7)	0.1020	9.94(44.3)	704	1,500/R
A10100500	Zinnia	500000	253.3	19	0.1622(4.12)	0.811(20.60)	468.5(697.1)	0.1138	8.76(38.9)	658	2,000/R
A10100500(1)	Hyacinth	500000	253.3	37	0.1162(2.95)	0.813(20.60)	468.3(969.8)	0.1140	9.11(40.5)	658	2,000/R
A10100477	Cosmos	477000	241.7	19	0.1548(4.02)	0.774(20.10)	446.8(664.8)	0.1196	8.36(37.0)	639	2,000/R
A10100477(1)	Syringa	477000	241.7	37	0.1135(2.88)	0.794(20.10)	446.8(664.8)	0.1196	8.69(38.6)	639	2,000/R
A10100450	Goldentuft	450000	228	19	0.1539(3.91)	0.769(19.50)	421.8(627.6)	0.1264	7.89(35.0)	616	2,000/R
A10100397	Canna	397500	201.4	19	0.1447(3.67)	0.725(18.30)	372.9(554.9)	0.1434	7.11(31.6)	570	2,000/R
A10100350	Daffodil	350000	177.3	19	0.1357(3.45)	0.678(17.20)	327.9(487.9)	0.1623	6.39(28.4)	526	2,000/R
A10100336	Tulip	334600	170.5	19	0.1331(3.38)	0.665(16.90)	315.5(469.5)	0.1691	6.15(27.3)	513	2,000/R
A10100300	Penony	300000	152	19	0.1257(3.19)	0.628(15.90)	281.4(418.3)	0.1899	5.48(24.3)	478	2,000/R
A10100266	Daisy	266800	135.2	7	0.1953(4.96)	0.585(14.80)	250.2(372.3)	0.2132	4.83(21.4)	443	2,000/R
A10100266(1)	Laurel	266800	135.2	19	0.1185(3.01)	0.592(15.00)	250.1(372.2)	0.2132	4.97(22.1)	444	2,000/R
A10100250	Sneezewort	250000	126.7	7	0.189(4.80)	0.567(14.40)	234.4(348.8)	0.2276	4.52(20.1)	425	2,000/R
A10100250	Valerian	250000	126.7	19	0.1147(2.91)	0.573(14.50)	234.4(348.8)	0.2282	4.66(20.7)	426	2,000/R
A10100004*	Oxlip	4/0	107.2	7	0.1739(4.42)	0.521(13.20)	198.4(295.2)	0.2684	3.83(17.0)	383	2,000/R
A10100003*	Phlox	3/0	85	7	0.1548(3.93)	0.464(11.70)	157.2(233.9)	0.3395	3.04(13.5)	331	2,000/R

** Conductor temperature of 75 °C, ambient temperature 25 °C, emissivity 0.5, wind 2 ft/sec. In sun

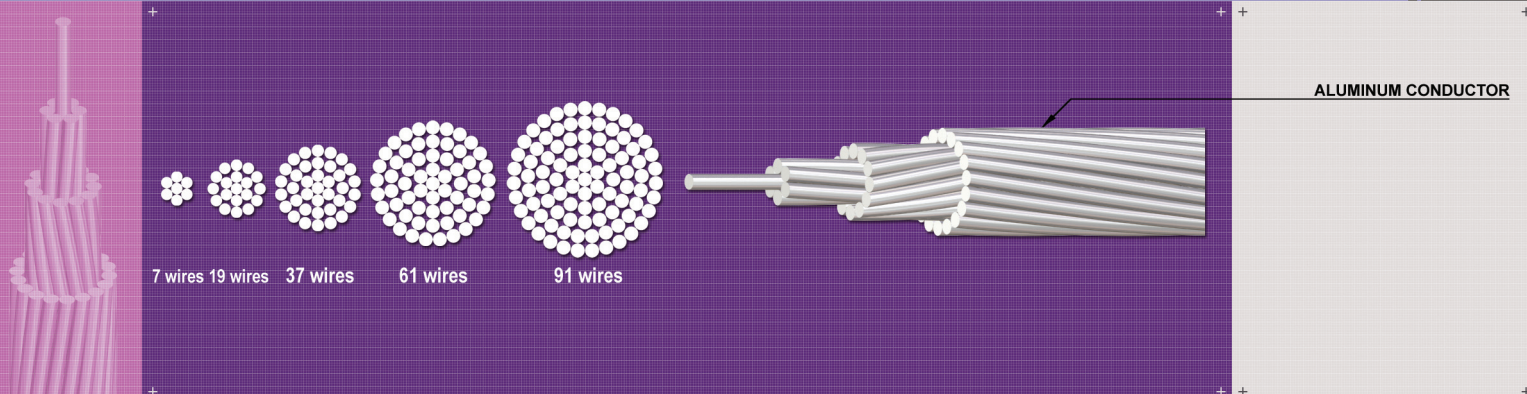
C = Packing in coil
R = Packing in reel



CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW-AAC**

ALL-ALUMINUM CONDUCTORS



CONSTRUCTION	APPLICATION	REFERENCE
The standard bare All-Aluminum Conductor (AAC) are concentric-lay-stranded of aluminum wire only.	AAC are used primarily for overhead transmission and primary and secondary distribution.	* ASTM B 231

Product Code	Word Code	Conductor Size		Construction		Overall diameter of conductor inch.(mm.)	Approximate weight lb/1000ft (kg/km)	Maximum DC. conductor resistance at 20°C Ω/km.	Rated strength Kip.(kN.)	Rated current A	Standard length m.
		Cmils or AWG	mm ²	Number of wires	Diameter of wires inch.(mm.)						
A10100002*	Aster	2/0	67.4	7	0.1379(3.50)	0.413(10.50)	124.8(185.7)	0.4281	2.51(11.1)	286	2,000/R
A10100001*	Poppy	1/0	53.5	7	0.1228(3.12)	0.368(9.30)	98.9(147.2)	0.5387	1.99(8.84)	247	3,000/R
A10100001**	Pansy	1	42.4	7	0.1093(2.78)	0.327(8.30)	78.4(116.6)	0.6785	1.64(7.30)	214	3,000/R
A10100002**	Iris	2	33.6	7	0.0976(2.47)	0.292(7.40)	62.2(92.6)	0.8595	1.35(5.99)	185	3,000/R
A10100004**	Rose	4	21.1	7	0.0772(1.96)	0.231(5.80)	39.1(58.2)	1.365	0.881(3.91)	138	3,000/R
A10100006**	Peachbell	6	13.3	7	0.0612(1.56)	0.183(4.60)	24.6(36.6)	2.155	0.563(2.53)	103	3,000/R

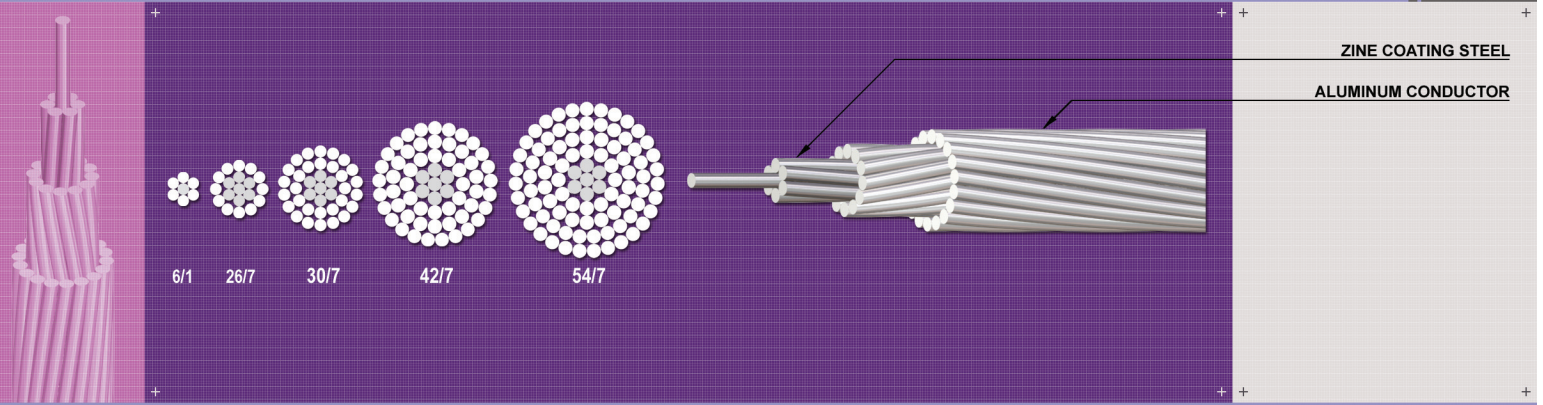
** Conductor temperature of 75 °C, ambient temperature 25 °C, emissivity 0.5, wind 2 ft/sec. In sun



CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW-ACSR**
ALUMINUM CONDUCTORS STEEL REINFORCED

PAGES 1/6



CONSTRUCTION	APPLICATION	REFERENCE
ACSR is composite, concentrically stranded conductor in which the light weight and a good conductivity of aluminum are combined with the high tensile strength of steel.	Used as bare overhead transmission cable and primary and secondary distribution.	* ASTM B 232

Product Code	Code words	Size Cmils or AWG	Construction				Nominal overall diameter of conductors Inch(mm.)	Weight lb./1000ft (kg/km)	Maximum DC. conductor resistance at 20°C Ω/km.	Rated strength Kip.(kN.)	Rated current A	Standard length m.
			Aluminum wire		Steel wire							
			Number	Diameter Inch(mm.)	Number	Diameter Inch(mm.)						
A10202312	Thrasher	2312000	76	0.1744(4.43)	19	0.0814(2.07)	1.802(45.80)	2,523(3755)	0.0249	56.7(252)	-	500/R
A10202167	Kiwi	2167000	72	0.1735(4.41)	7	0.1157(2.94)	1.735(44.00)	2,301(3424)	0.0258	49.8(222)	1,607	500/R
A10202156	Bluebird	2156000	84	0.1602(4.07)	19	0.0961(2.44)	1.762(44.75)	2,508(3732)	0.0266	60.3(269)	1,623	500/R
A10201780	Chukar	1780000	84	0.1456(3.70)	19	0.0874(2.22)	1.602(40.69)	2,072(3084)	0.0322	51.0(228)	1,453	500/R
A10201590	Falcon	1590000	54	0.1716(4.36)	19	0.1030(2.62)	1.545(39.24)	2,024(3039)	0.0361	54.5(243)	1,359	500/R
A10201590(1)	Lapwing	1590000	45	0.1880(4.77)	7	0.1253(3.18)	1.504(38.20)	1,790(2664)	0.0359	42.2(188)	1,354	500/R
A10201510	Parrot	1510000	54	0.1672(4.25)	19	0.1003(2.55)	1.505(38.23)	1,938(2884)	0.0380	51.7(231)	1,318	500/R
A10201510(1)	Nuthatch	1510000	45	0.1832(4.65)	7	0.1221(3.10)	1.466(37.24)	1,700(2530)	0.0379	40.1(178)	1,313	500/R
A10201431	Plover	1431000	54	0.1628(4.13)	19	0.0977(2.48)	1.465(37.21)	1,838(2735)	0.0400	49.1(219)	1,275	500/R
A10201431(1)	Bobolink	1431000	45	0.1783(4.53)	7	0.1189(3.02)	1.427(36.24)	1,611(2398)	0.0400	38.3(171)	1,272	500/R
A10201351	Martin	1351000	54	0.1582(4.02)	19	0.0949(2.41)	1.424(36.17)	1,735(2582)	0.0425	46.3(207)	1,232	500/R
A10201351(1)	Dipper	1351000	45	0.1733(4.40)	7	0.1151(2.92)	1.386(35.20)	1,521(2264)	0.0423	36.2(161)	1,229	500/R
A10201272	Pheasant	1272000	54	0.1535(3.90)	19	0.0921(2.34)	1.382(35.10)	1,634(2432)	0.0451	43.6(195)	1,187	500/R
A10201272(1)	Bittem	1272000	45	0.1681(4.27)	7	0.1155(2.93)	1.345(34.16)	1,432(2131)	0.0450	34.1(152)	1,184	500/R
A10201272(2)	Skylark	1272000	36	0.1880(4.77)	1	0.0921(2.34)	1.316(33.43)	1,286(1936)	0.0450	26.4(120)	1,184	500/R
A10201192	Grackle	1192500	54	0.1486(3.77)	19	0.1121(2.85)	1.338(33.98)	1,531(2279)	0.0483	41.9(185)	1,140	500/R

** Conductor temperature of 75 °C, ambient temperature 25 °C, emissivity 0.5, wind 2 ft/sec. In sun

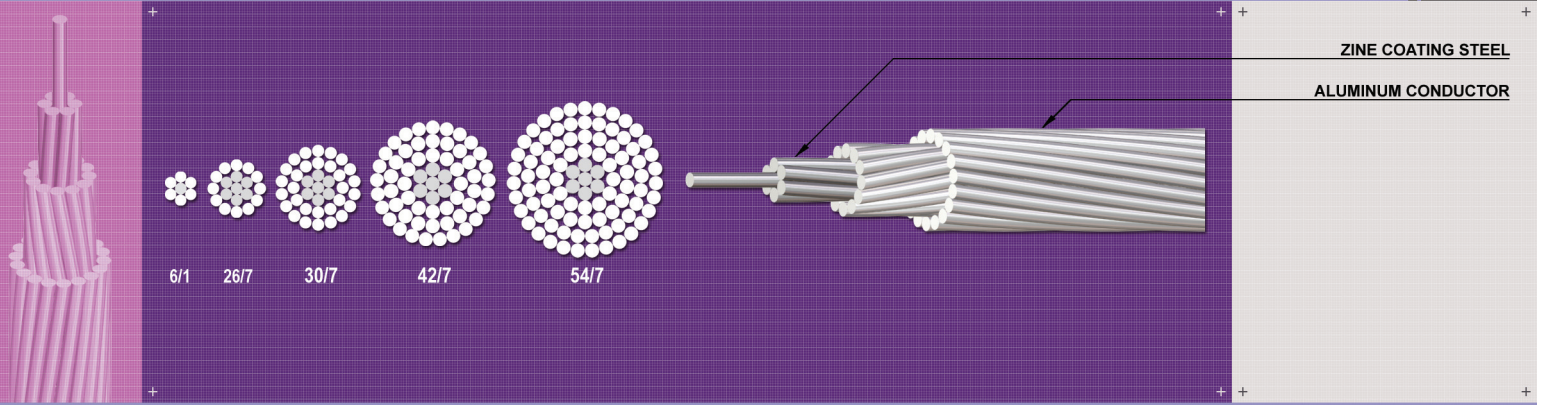
C = Packing in coil
R = Packing in reel



CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW-ACSR**
ALUMINUM CONDUCTORS STEEL REINFORCED

PAGES 2 / 6



CONSTRUCTION	APPLICATION	REFERENCE
ACSR is composite, concentrically stranded conductor in which the light weight and a good conductivity of aluminum are combined with the high tensile strength of steel.	Used as bare overhead transmission cable and primary and secondary distribution.	* ASTM B 232

Product Code	Code words	Size Cmils or AWG	Construction				Nominal overall diameter of conductors Inch(mm.)	Weight lb./1000ft (kg/km)	Maximum DC. conductor resistance at 20°C Ω/km.	Rated strength Kip.(kN.)	Rated current A	Standard length m.
			Aluminum wire		Steel wire							
			Number	Diameter Inch(mm.)	Number	Diameter Inch(mm.)						
A10201192(1)	Bunting	1192500	45	0.1628(4.13)	7	0.1880(4.77)	1.302(33.07)	1,342(1997)	0.0483	32.0(143)	1,139	500/R
A10201113	Finch	1113000	54	0.1436(3.65)	19	0.892(2.26)	1.293(32.84)	1,430(2128)	0.0515	39.1(175)	1,093	500/R
A10201113(1)	Bluejay	1113000	45	0.1573(4.00)	7	0.1049(2.66)	1.259(31.98)	1,254(1866)	0.0512	29.8(133)	1,092	1,000/R
A10201033	Curlew	1033500	54	0.1383(3.51)	7	0.1383(3.51)	1.245(31.62)	1,329(1978)	0.0555	36.6(162)	1,047	1,000/R
A10201033(1)	Oortolan	1033500	45	0.1515(3.85)	7	0.1010(2.56)	1.212(30.78)	1,163(1731)	0.0553	27.7(124)	1,043	1,000/R
A10201033(2)	Tanager	1033500	36	0.1694(4.30)	1	0.1694(4.30)	1.186(30.12)	1,044(1554)	0.0556	21.4(96)	1,043	1,000/R
A10200954	Cardinal	954000	54	0.1329(3.38)	7	0.1329(3.38)	1.196(30.38)	1,227(1826)	0.0598	33.8(150)	996	1,000/R
A10200954(1)	Rail	954000	45	0.1456(3.70)	7	0.0971(2.47)	1.165(29.59)	1,074(1600)	0.0599	25.9(116)	993	1,000/R
A10200954(2)	Catbird	954000	36	0.1628(4.13)	1	0.1628(4.13)	1.140(28.96)	964(1435)	0.0599	19.8(89)	993	1,000/R
A10200900	Canary	900000	54	0.1291(3.28)	7	0.1291(3.28)	1.162(29.51)	1,158(1724)	0.0635	31.9(141)	961	1,000/R
A10200900(1)	Ruddy	900000	45	0.1410(3.60)	7	0.0943(2.39)	1.131(28.73)	1,013(1508)	0.0636	24.4(109)	958	1,000/R
A10200795	Mallard	795000	30	0.1628(4.13)	19	0.0977(2.48)	1.140(28.96)	1,234(1873)	0.0719	38.4(171)	918	1,000/R
A10200795(1)	Condor	795000	54	0.1213(3.08)	7	0.1231(3.08)	1.092(27.74)	1,022(1521)	0.0720	28.2(124)	889	1,000/R
A10200795(2)	Tem	795000	45	0.1329(3.37)	7	0.0886(2.25)	1.063(27.00)	895(1332)	0.0718	22.1(97)	887	1000/R
A10200795(3)	Drake	795000	26	0.1749(4.44)	7	0.1360(3.45)	1.108(28.14)	1,093(1627)	0.0719	31.5(139)	907	1,000/R
A10200795(4)	Cukoo	795000	24	0.1820(4.62)	7	0.1213(3.08)	1.092(27.74)	1,023(1523)	0.0720	27.9(123)	901	1,000/R

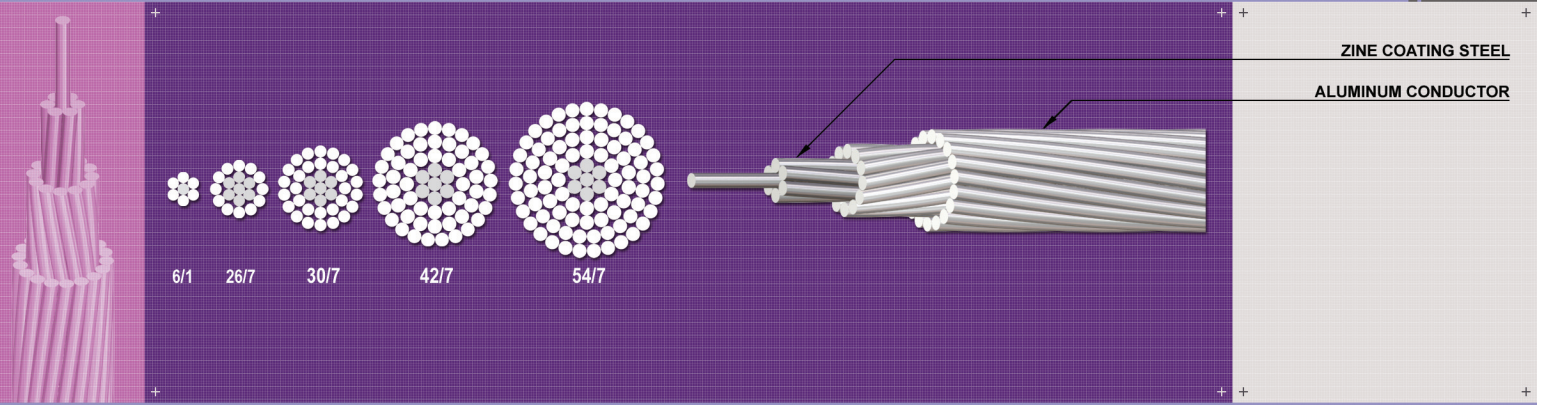
** Conductor temperature of 75 °C, ambient temperature 25 °C, emissivity 0.5, wind 2 ft/sec. In sun



CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW-ACSR**
ALUMINUM CONDUCTORS STEEL REINFORCED

PAGES 3/6



CONSTRUCTION	APPLICATION	REFERENCE
ACSR is composite, concentrically stranded conductor is which the light weight and a good conductivity of aluminum are combined with the high tensile strength of steel.	Used as bare overhead transmission cable and primary and secondary distribution.	* ASTM B 232

Product Code	Code words	Size Cmils or AWG	Construction				Nominal overall diameter of conductors Inch(mm.)	Weight lb./1000ft (kg/km)	Maximum DC. conductor resistance at 20°C Ω/km.	Rated strength Kip.(kN.)	Rated current A	Standard length m.
			Aluminum wire		Steel wire							
			Number	Diameter Inch(mm.)	Number	Diameter Inch(mm.)						
A10200795(5)	Coot	795000	36	0.1486(3.77)	1	0.1486(3.77)	1.040(26.42)	804(1196)	0.0723	16.8(74)	884	1,000/R
A10200715	Redwing	715500	30	0.1544(3.92)	19	0.0926(2.35)	1.081(27.46)	1,109(1651)	0.0802	34.6(153)	859	1,000/R
A10200715(1)	Starling	715500	26	0.1659(4.21)	7	0.1290(3.28)	1.051(26.69)	984(1464)	0.0801	28.4(125)	849	1,000/R
A10200715(2)	Still	715500	24	0.1721(4.39)	7	0.1151(2.92)	1.036(26.31)	921(1371)	0.0798	25.5(113)	844	1,000/R
A10200666	Gannet	666600	26	0.1601(4.07)	7	0.1245(3.16)	1.014(25.75)	916(1364)	0.0857	26.4(117)	812	1,000/R
A10200666(1)	Flamingo	666600	24	0.1667(4.23)	7	0.1111(2.82)	1.000(25.40)	858(1277)	0.0859	23.7(105)	807	1,000/R
A10200636	Egret	636000	30	0.1456(3.70)	19	0.0874(2.22)	1.019(25.88)	987(1469)	0.0901	31.5(140)	798	1,000/R
A10200636(1)	Scoter	636000	30	0.1456(3.70)	7	0.1456(3.70)	0.990(25.15)	995(1481)	0.0900	30.4(135)	798	1,000/R
A10200636(2)	Grosbeak	636000	26	0.1564(3.97)	7	0.1216(3.09)	0.977(24.81)	874(1301)	0.0900	25.2(111)	789	1,000/R
A10200636(3)	Rook	636000	24	0.1628(4.13)	7	0.1085(2.75)	0.930(23.62)	818(1218)	0.0897	22.6(101)	784	1,000/R
A10200636(4)	Swift	636000	36	0.1329(3.37)	1	0.1329(3.37)	0.940(23.88)	643(957)	0.0899	13.8(61)	769	1,000/R
A10200636(5)	Kingbird	636000	18	0.1880(4.77)	1	0.1880(4.77)	0.994(25.25)	690(1027)	0.0893	15.7(69)	773	1,000/R
A10200605	Teal	605000	30	0.1420(3.61)	19	0.0852(2.16)	0.994(25.25)	937(1397)	0.0946	30.0(133)	773	1,000/R
A10200605(1)	Wood duck	605000	30	0.1420(3.61)	7	0.1420(3.61)	0.994(25.25)	947(1409)	0.0946	28.9(129)	774	1,000/R
A10200605(2)	Squab	605000	26	0.1525(3.87)	7	0.1186(3.01)	0.996(25.54)	831(1237)	0.0947	24.3(108)	765	1,000/R
A10200605(3)	Peacock	605000	24	0.1588(4.03)	7	0.1059(2.69)	0.935(24.21)	779(1159)	0.0947	21.6(95)	760	1,000/R

** Conductor temperature of 75 °C, ambient temperature 25 °C, emissivity 0.5, wind 2 ft/sec. In sun

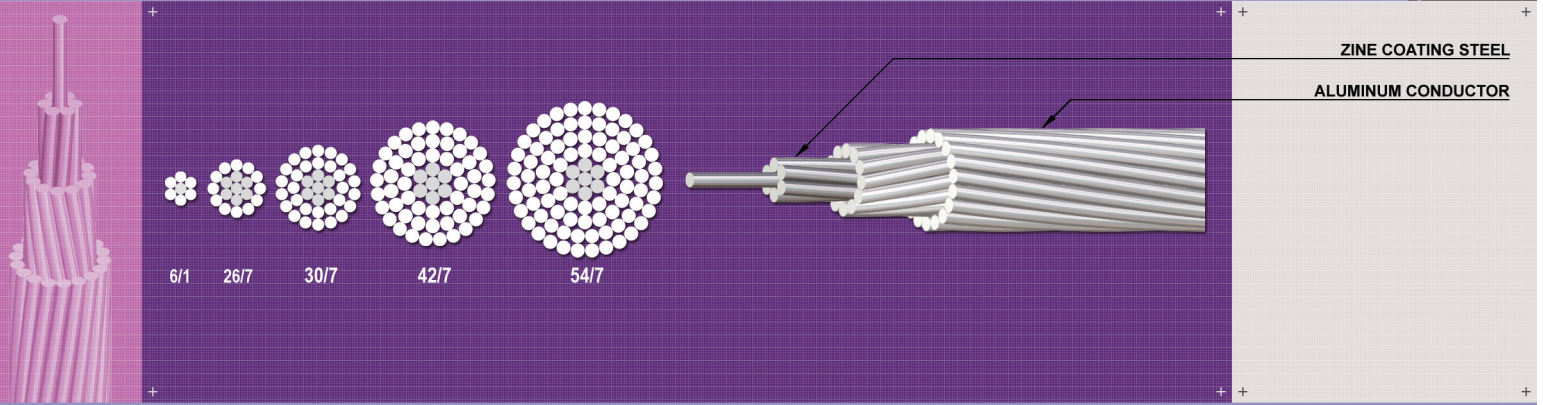
C = Packing in coil
R = Packing in reel



CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW-ACSR**
ALUMINUM CONDUCTORS STEEL REINFORCED

PAGES 4/6



CONSTRUCTION	APPLICATION	REFERENCE
ACSR is composite, concentrically stranded conductor is which the light weight and a good conductivity of aluminum are combined with the high tensile strength of steel.	Used as bare overhead transmission cable and primary and secondary distribution.	* ASTM B 232

Product Code	Code words	Size Cmils or AWG	Construction				Nominal overall diameter of conductors Inch(mm.)	Weight lb./1000ft (kg/km)	Maximum DC. conductor resistance at 20°C Ω/km.	Rated strength Kip.(kN.)	Rated current A	Standard length m.
			Aluminum wire		Steel wire							
			Number	Diameter Inch(mm.)	Number	Diameter Inch(mm.)						
A10200556	Eagle	556500	30	0.1326(3.46)	7	0.1326(3.46)	0.953(24.21)	871(1296)	0.1029	27.8(122)	734	1,000/R
A10200556(1)	Dove	556500	26	0.1436(3.72)	7	0.1138(2.89)	0.927(23.54)	765(1139)	0.1025	22.6(101)	726	1,000/R
A10200556(2)	Parakeet	556500	24	0.1553(3.87)	7	0.1015(2.58)	0.914(23.21)	716(1066)	0.1026	19.8(88)	721	1,000/R
A10200556(3)	Osprey	556500	18	0.1758(4.46)	1	0.1758(4.46)	0.897(22.23)	603(898)	0.1021	13.7(60)	711	1,500/R
A10200477	Hen	477000	30	0.1261(3.20)	7	0.1261(3.20)	0.883(22.43)	746(1111)	0.1204	23.8(105)	666	1,000/R
A1020477(1)	Hawk	477000	26	0.1354(3.44)	7	0.1053(2.67)	0.858(21.79)	655(976)	0.1199	19.5(86)	659	1,000/R
A10200477(2)	Pelican	477000	24	0.1410(3.58)	7	0.0940(2.39)	0.846(21.49)	614(914)	0.1199	17.2(76)	655	1,000/R
A10200477(3)	Pelican	477000	18	0.1628(4.13)	1	0.1628(4.13)	0.814(20.67)	517(770)	0.1190	11.8(52)	646	1,500/R
A10200397	Lark	397500	30	0.1151(2.92)	7	0.1151(2.92)	0.806(20.47)	622(926)	0.1446	20.3(52)	594	1,500/R
A10200397(1)	Lbis	397500	26	0.1236(3.14)	7	0.0961(2.44)	0.783(19.89)	546(813)	0.1439	16.3(72)	587	1,500/R
A10200397(2)	Brant	397500	24	0.1287(3.27)	7	0.0858(2.18)	0.772(19.60)	511(761)	0.1437	14.6(64)	584	1,500/R
A10200397(3)	Chickadee	397500	18	0.1486(3.77)	1	0.1486(3.77)	0.743(18.87)	432(642)	0.1435	9.9(43)	576	1,500/R
A10200336	Oriole	336400	30	0.1059(2.69)	7	0.1509(2.69)	0.741(18.82)	526(784)	0.1703	17.3(77)	535	1,500/R
A10200336(1)	Linnet	336400	26	0.1137(2.89)	7	0.0884(2.24)	0.720(18.29)	462(688)	0.1699	14.1(62)	529	2,000/R
A10200336(2)	Widgeon	336400	18	0.1367(3.47)	1	0.1367(3.47)	0.684(17.37)	365(543)	0.1694	8.7(38)	526	2,000/R
A10200300	Ostrich	300000	26	0.1074(2.73)	7	0.0835(2.12)	0.680(17.27)	412(614)	0.1904	12.7(56)	492	2,000/R

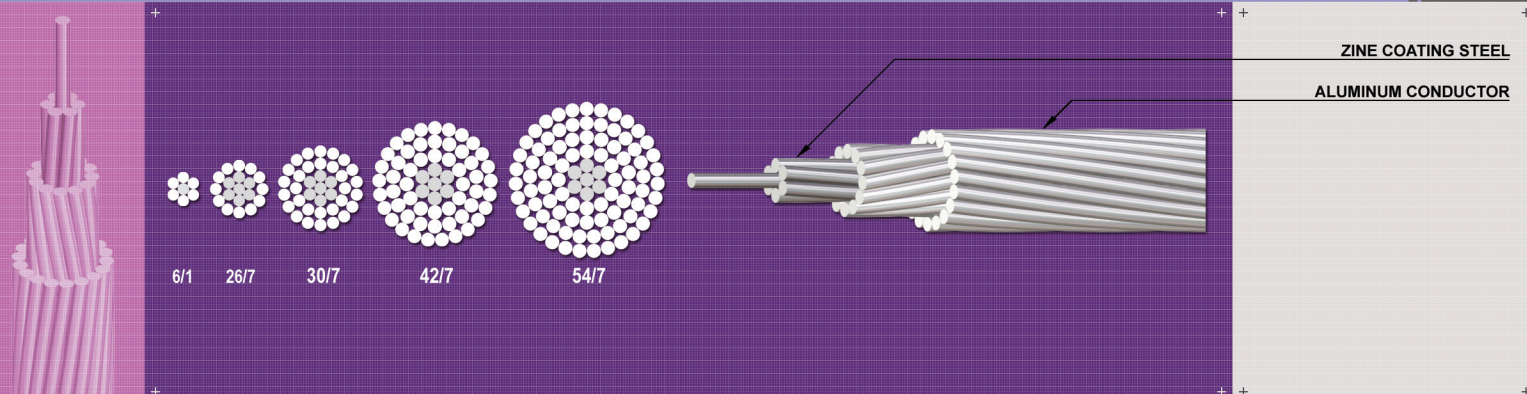
** Conductor temperature of 75 °C, ambient temperature 25 °C, emissivity 0.5, wind 2 ft/sec. In sun



CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW-ACSR**
ALUMINUM CONDUCTORS STEEL REINFORCED

PAGES 5/6



CONSTRUCTION	APPLICATION	REFERENCE
ACSR is composite, concentrically stranded conductor in which the light weight and a good conductivity of aluminum are combined with the high tensile strength of steel.	Used as bare overhead transmission cable and primary and secondary distribution.	* ASTM B 232

Product Code	Code words	Size Cmils or AWG	Construction				Nominal overall diameter of conductors Inch(mm.)	Weight lb./1000ft (kg/km)	Maximum DC. conductor resistance at 20°C (Ω /km.)	Rated strength Kip.(kN.)	Rated current A	Standard length m.
			Aluminum wire		Steel wire							
			Number	Diameter Inch(mm.)	Number	Diameter Inch(mm.)						
A10200066	Partridge	266800	26	0.1031(2.57)	7	0.0788(2.00)	0.642(16.31)	367(546)	0.2148	11.3(50)	475	2,000/R
A10200266(1)	Waxwing	266800	18	0.1217(2.22)	1	0.1217(2.22)	0.609(15.45)	289.1(430)	0.2136	6.90(30)	449	2,000/R
A10200211	Penguin	211600	6	0.1875(4.77)	1	0.1875(4.77)	0.563(14.30)	291(433)	0.2676	8.35(37)	357	2,000/R
A10200211(1)	Cochin	211600	12	0.1327(3.37)	7	0.1327(3.37)	0.664(18.86)	527(784)	0.2694	20.7(91)	358	1,500/R
A10200203	Brahma	203200	16	0.1127(2.86)	19	0.0977(2.48)	0.714(18.13)	675(1004)	0.2819	28.4(126)	342	1,000/R
A10200190	Dorking	190800	12	0.1261(3.20)	7	0.1261(3.20)	0.631(16.03)	476(708)	0.2987	18.7(82)	330	1,500/R
A10200176	Dotterel	176900	12	0.1214(3.08)	7	0.1214(3.08)	0.607(15.42)	441(657)	0.3225	17.3(76)	320	1,000/R
A10200167	Pigeon	167800	6	0.1672(4.25)	1	0.1672(4.25)	0.502(12.75)	231(343)	0.3371	6.62(29)	315	3,000/R
A10200159	Guinea	159000	12	0.1151(2.92)	7	0.1151(2.92)	0.576(14.63)	396(590)	0.3588	16(71)	300	3,000/R
A10200134	Leghom	134600	12	0.1059(2.62)	7	0.1059(2.62)	0.530(13.46)	336(500)	0.4227	13.6(60)	250	3,000/R
A10200133	Quail	133100	6	0.1489(3.78)	1	0.1489(3.78)	0.447(11.35)	183(272)	0.4261	5.3(23)	276	3,000/R
A10200110	Minorca	110800	12	0.0961(2.44)	7	0.0961(2.44)	0.481(12.22)	276(412)	0.5138	11.3(50)	260	3,000/R
A10200105	Raven	105600	6	0.1327(3.37)	1	0.1327(3.37)	0.398(10.11)	145(216)	0.5361	4.38(19)	242	3,000/R
A10200101	Petrel	101800	12	0.0921(2.34)	7	0.0921(2.34)	0.461(11.71)	254(378)	0.5587	10.4(46)	235	3,000/R
A10200083	Robin	83960	6	0.1181(3.00)	1	0.1181(3.00)	0.354(8.99)	115(172)	0.6764	3.55(15)	212	3,000/R
A10200080	Grouse	80000	8	0.1000(2.54)	1	0.1670(4.24)	0.367(9.32)	149(222)	0.7112	5.2(22)	190	3,000/R

** Conductor temperature of 75 °C, ambient temperature 25 °C, emissivity 0.5, wind 2 ft/sec. In sun

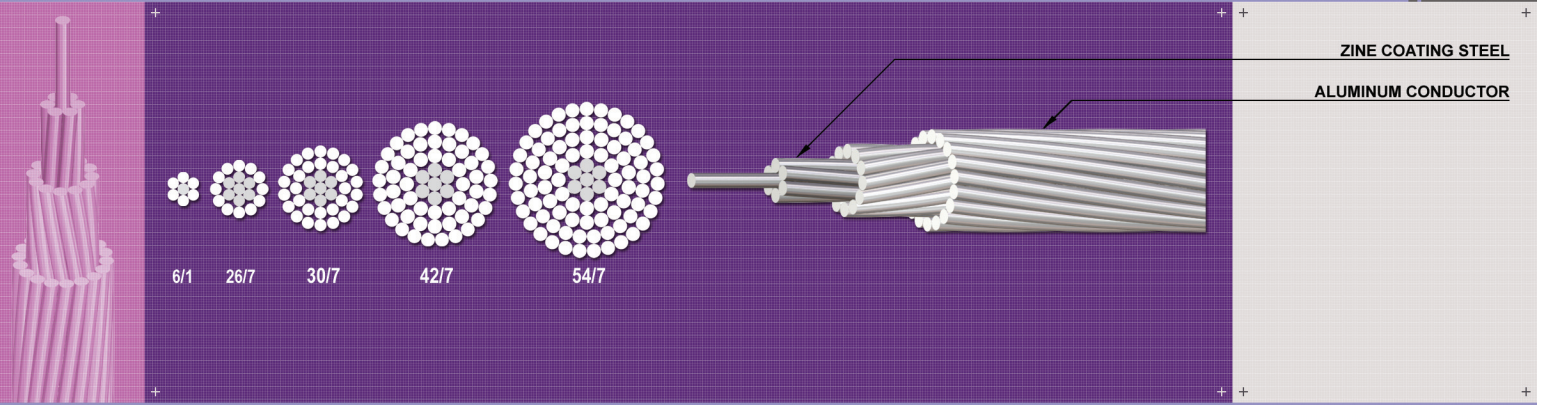
C = Packing in coil
R = Packing in reel




CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW-ACSR**
ALUMINUM CONDUCTORS STEEL REINFORCED

PAGES 1/2



CONSTRUCTION	APPLICATION	REFERENCE
ACSR is composite, concentrically stranded conductor in which the light weight and a good conductivity of aluminum are combined with the high tensile strength of steel.	Used as bare overhead transmission cable and primary and secondary distribution.	 <ul style="list-style-type: none"> * TIS 86-2522 * IEC. 209 * DIN 48204

Product Code	Size of aluminum/ steel mm ²	Actual ares mm ²	Construction				Nominal overall diameter of conductors mm.	Weight kg/km	Maximum DC. conductor resistance at 20° C Ω/km.	Rated strength kgf	Rated current A	Standrad length m.
			Aluminum wire		Steel wire							
			Number	Diameter mm.	Number	Diameter mm.						
A70201625	16/2.5	17.85	6	1.80	1	1.80	5.4	62	1.880	592	90	4,000/R
A70202504	25/4	27.80	6	2.25	1	2.25	6.8	97	1.203	916	125	4,000/R
A70203506	35/6	40.00	6	2.70	1	2.70	8.1	139	0.8353	1,265	145	3,000/R
A70205008	50/8	56.30	6	3.20	1	3.20	9.6	195	0.5947	1,716	170	3,000/R
A70205030	50/30	81.00	12	2.33	7	2.33	11.7	375	0.5644	4,380	290	3,000/R
A70207012	70/12	81.30	26	1.85	7	1.44	11.7	282	0.4131	2,676	290	3,000/R
A70209515	95/15	109.70	26	2.15	7	1.67	13.6	381	0.3058	3,565	350	3,000/R
A70209555	95/55	152.80	12	3.20	7	3.20	16.0	708	0.2993	7,965	350	3,000/R
A702012020	120/20	141.40	26	2.44	7	1.90	15.5	491	0.2375	4,555	410	2,000/R
A702012070	120/70	193.30	12	3.60	7	3.60	18.0	896	0.2365	10,034	410	2,000/R
A702012530	125/30	157.70	30	2.33	7	2.33	16.1	587	0.2259	5,759	425	2,000/R
A702015025	150/25	173.10	26	2.70	7	2.10	17.1	601	0.1939	5,513	470	2,000/R
A702017040	170/40	211.90	30	2.70	7	2.70	18.9	789	0.1683	7,675	520	2,000/R
A702018530	185/30	213.60	26	3.00	7	2.33	19.0	741	0.1571	6,618	535	2,000/R
A702021035	210/35	243.20	26	3.20	7	2.49	20.3	844	0.1381	7,489	590	1,500/R
A702021050	210/50	261.60	30	3.00	7	3.00	21.0	974	0.1363	9,390	610	1,500/R

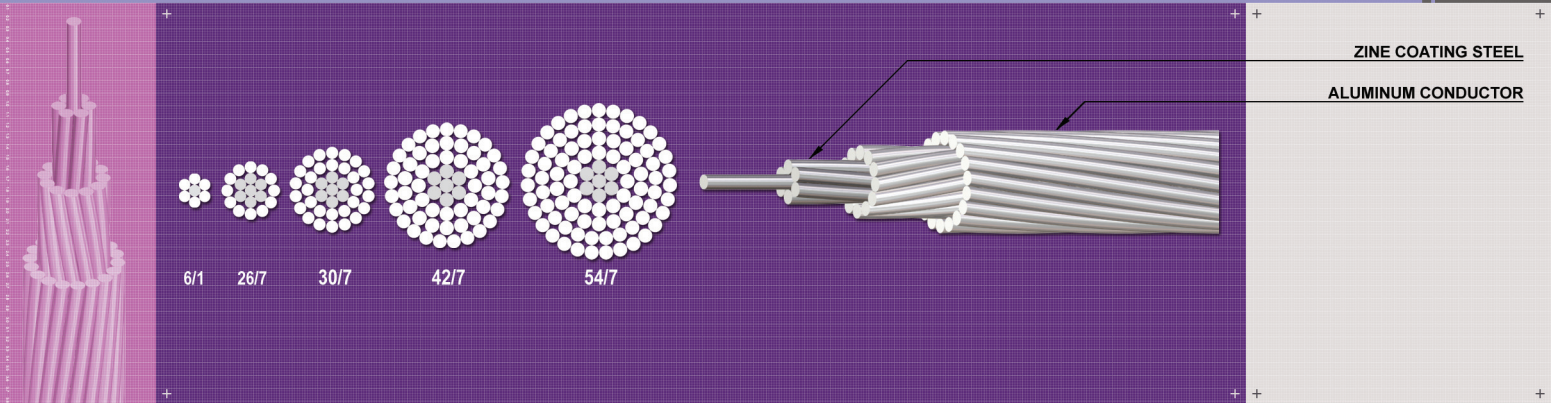
C = Packing in coil
R = Packing in reel




CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW-ACSR**
ALUMINUM CONDUCTORS STEEL REINFORCED

PAGES 2/2



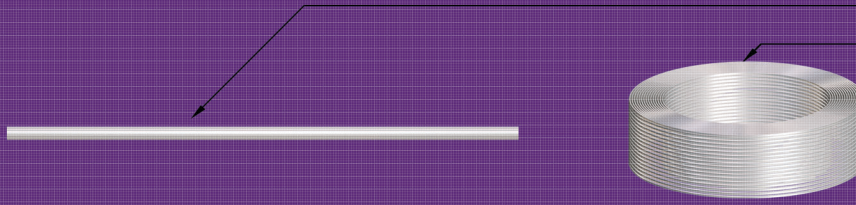
CONSTRUCTION	APPLICATION	REFERENCE
ACSR is composite, concentrically stranded conductor in which the light weight and a good conductivity of aluminum are combined with the high tensile strength of steel.	Used as bare overhead transmission cable and primary and secondary distribution.	 <ul style="list-style-type: none"> * TIS 86-2522 * IEC. 209 * DIN 48204

Product Code	Size of aluminum/ steel (mm ²)	Actual area (mm ²)	Construction				Nominal overall diameter of conductors (mm)	Weight (kg/km)	Maximum DC. conductor resistance at 20° C (Ω/km)	Rated strength (kgf)	Rated current (A)	Standard length (m)
			Aluminum wire		Steel wire							
			Number	Diameter (mm)	Number	Diameter (mm)						
A702023030	230/30	260.70	24	3.50	7	2.33	21.0	871	0.1250	7,313	630	1,500/R
A702024040	240/40	282.50	26	3.45	7	2.68	21.9	981	0.1188	8,640	645	1,500/R
A702026535	265/35	297.80	24	3.74	7	2.49	22.4	995	0.1095	8,307	680	1,500/R
A702030050	300/50	353.80	26	3.86	7	3.00	24.5	1,228	0.0949	10,702	740	1,000/R
A702030540	305/40	344.10	54	2.68	7	2.68	24.1	1,152	0.0949	9,942	740	1,000/R
A702038050	380/50	431.50	54	3.00	7	3.00	27.0	1,443	0.0758	12,312	840	1,000/R
A702043555	435/55	490.60	54	3.20	7	3.20	28.8	1,642	0.0666	13,673	900	1,000/R
A702049065	490/65	553.90	54	3.40	7	3.40	30.6	1,853	0.0590	15,348	960	1,000/R
A702055070	550/70	621.30	54	3.60	7	3.60	32.4	2,078	0.0526	17,096	1,020	500/R
A702068085	680/85	764.80	54	4.00	19	2.40	36.0	2,552	0.0426	21,046	1,150	500/R



CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW-TIE AND GROUND WIRE**



ALUMINUM WIRE

PACKING IN COIL

CONSTRUCTION	APPLICATION	REFERENCE
Solid, soft 1350-O aluminum wire	Generally used in overhead transmission and distribution line construction to mechanically secure components such as conductor to pin insulation. Also used for grounding applications in line construction	* ASTM B-609 (Soft aluminum wire, 1350-0)

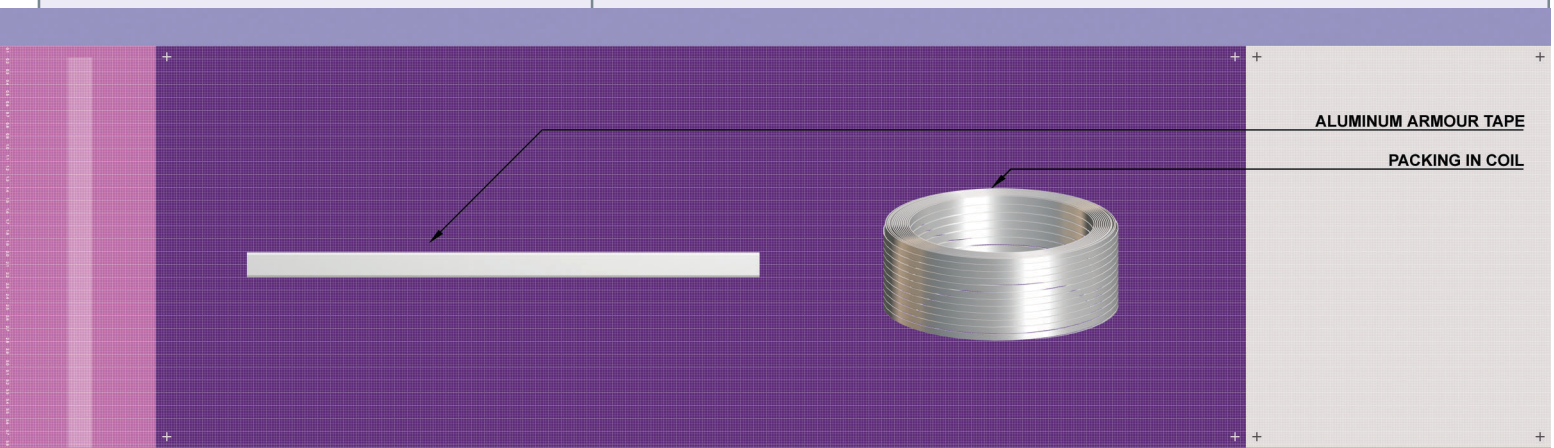
Product Code	Size AWG	Diameter mils(mm.)	Weight lb./1000ft (kg/km)	Breaking strength lbs. (kgf)	Packing kg
A10710006**	6	162 (4.115)	24.12 (36)	232 (105)	25/C
A10710004**	4	204.3 (5.189)	38.35 (57)	369 (167)	25/C

C = Packing in coil
R = Packing in reel



CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW-ALUMINUM ARMOUR TAPE**



CONSTRUCTION	APPLICATION	REFERENCE
Soft - draw aluminum flat armour tape.	Generally used in overhead and distribution line construction to mechanically secure components such as cable to pole and tower.	* VDE 0202, V11,43

Product Code	Dimension (width x thickness) mm. x mm.	Weight (kg/km)	Breaking strength kgf	Packing kg
A4080010	10 x 1	24.12 (36)	70-110	10/C

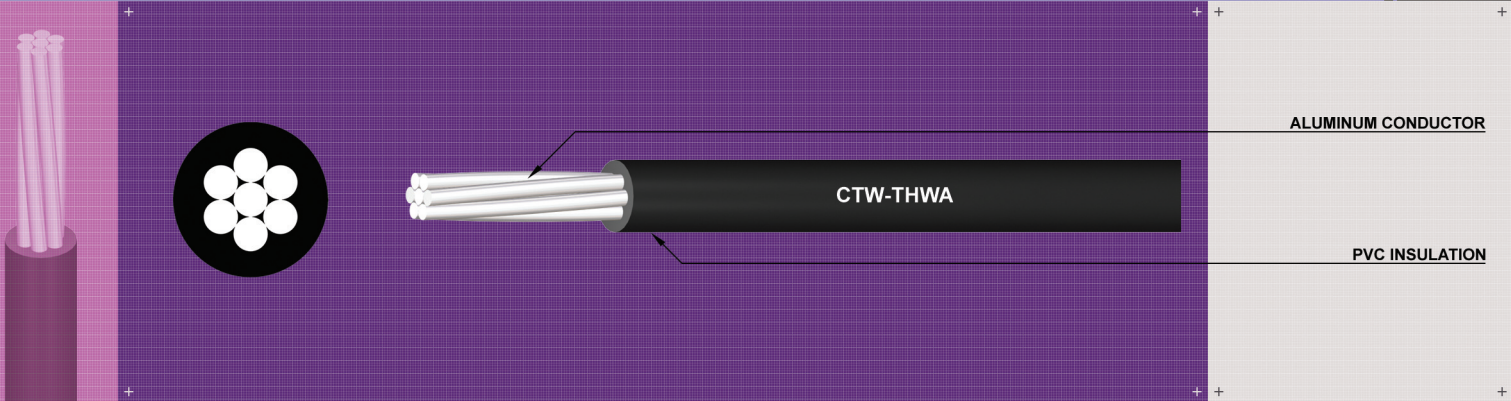



CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW-THWA**

750 V 70°C PVC INSULATED ALUMINUM STRANDED CONDUCTOR SINGLE CORE

PAGES 1 / 2



CONSTRUCTION		APPLICATION	CLASSIFICATION	REFERENCE
Conductor	Sold and stranded hard draw aluminum wire	For arial cable (Service & main)	Maximum conductor temperature 70°C	 TIS 293-2541 TABLE 1 *Testing Voltage 2,500 volts
Insulation	Heat resistance polyvinyl chloride (Black colour)		Circuit voltage does not exceed 750 volts.	

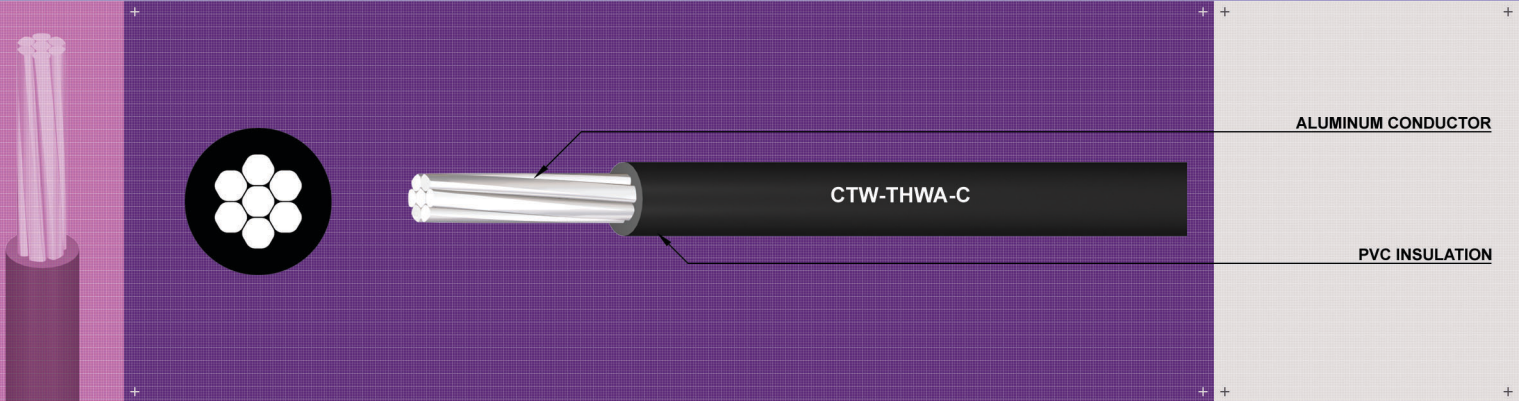
CTW-THWA		Number & diameter of wire No./mm ²	Thickness of insulation mm.	Overall diameter mm.	Maximum conductor resistance at 20°C Ω/km.	Minimum Insulation resistance at 70°C MΩ-km.	Allowable ampacities free air 40°C A	Cable weight (Approx.) (kg/km)	Standard packing m
PRODUCT CODE	SIZE mm ²								
A70300010*	10	1/3.49	1.1	5.90	3.08	0.0078	52	50	500/R
A70300010	10	7/1.32	1.1	6.30	3.08	0.0070	52	58	500/R
A70300016*	16	1/4.43	1.1	6.80	1.91	0.0064	71	72	500/R
A70300016	16	7/1.68	1.1	7.40	1.91	0.0058	71	82	500/R
A70300025	25	7/2.12	1.3	9.10	1.20	0.0055	95	126	500/R
A70300035	35	7/2.49	1.3	10.20	0.868	0.0048	115	163	500/R
A70300050	50	7/2.90	1.5	11.50	0.641	0.0047	130	219	500/R
A70300050*	50	19/1.76	1.5	12.00	0.641	0.0047	130	210	500/R
A70300070	70	19/2.49	1.5	13.50	0.443	0.0040	180	288	500/R
A70300095	95	19/2.49	1.7	16.00	0.320	0.0038	220	390	500/R
A70300120	120	19/2.80	1.7	17.50	0.253	0.0035	270	478	500/R
A70300120*	120	37/2.01	1.7	17.60	0.253	0.0035	270	475	500/R
A70300150	150	37/2.23	1.9	19.60	0.206	0.0035	300	585	500/R
A70300185	185	37/2.50	2.1	22.00	0.164	0.0034	370	740	500/R
A70300240	240	61/2.23	2.3	25.00	0.125	0.0033	450	950	500/R
A70300300	300	61/2.49	2.5	27.80	0.110	0.0032	520	1,175	500/R




CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW-THWA-C**

750 V 70°C PVC INSULATED ALUMINUM COMPACTED CONDUCTOR SINGLE CORE



CONSTRUCTION		APPLICATION	CLASSIFICATION	REFERENCE
Conductor	Compact stranded hard draw aluminum wire	For arial cable (Service & main)	Maximum conductor temperature 70°C	 TIS 293-2541 TABLE 2 *Testing Voltage 2,500 volts
Insulation	Heat resistance polyvinyl chloride (Black colour)		Circuit voltage does not exceed 750 volts.	

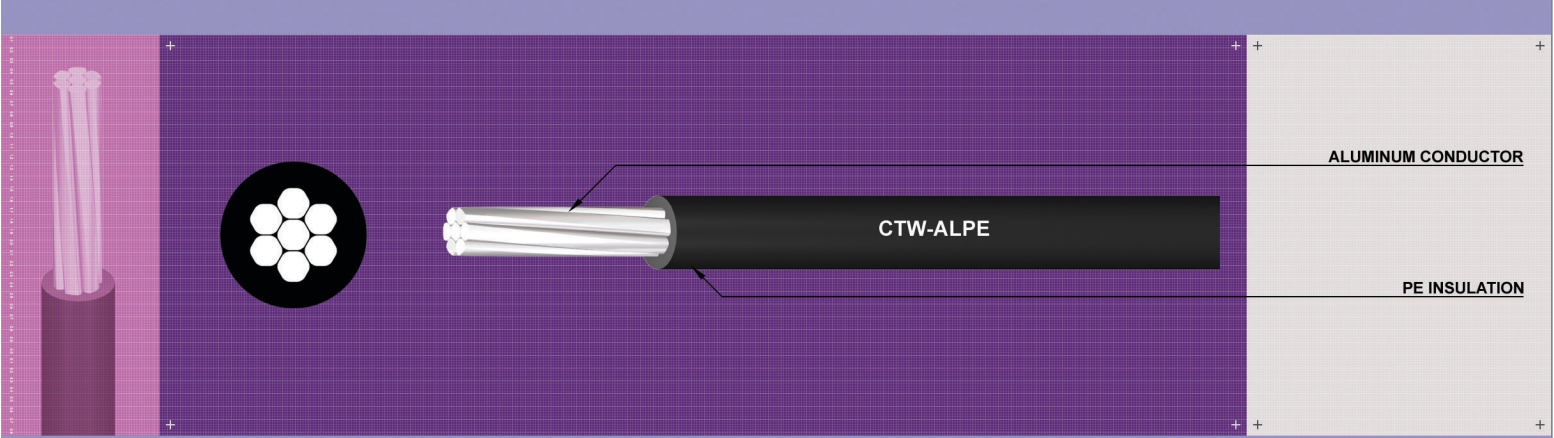
CTW-THWA-C		Minimum number of wire No	Nominal diameter of conductor mm.	Thickness of insulation mm.	Overall diameter of cable mm.	Maximum conductor resistance at 20°C Ω/km.	Minimum Insulation resistance at 70°C MΩ-km.	Allowable ampacities free Air 40°C A	Cable weight (Approx.) kg/km	Standard packing m
PRODUCT CODE	SIZE mm ²									
A70400010	10	6	3.74	1.1	6.10	3.08	0.0075	52	55	500/R
A70400016	16	6	4.71	1.1	7.10	1.91	0.0062	71	75	500/R
A70400025	25	6	5.93	1.3	8.70	1.20	0.0059	95	115	500/R
A70400035	35	6	6.98	1.3	9.75	0.868	0.0051	115	150	500/R
A70400050	50	6	8.10	1.5	11.30	0.641	0.0051	130	200	500/R
A70400070	70	12	9.70	1.5	12.50	0.443	0.0043	180	270	500/R
A70400095	95	15	11.46	1.7	15.00	0.320	0.0042	220	370	500/R
A70400120	120	15	12.93	1.7	16.50	0.253	0.0038	270	450	500/R
A70400150	150	15	14.34	1.9	18.30	0.206	0.0038	300	555	500/R
A70400185	185	30	16.00	2.1	20.40	0.164	0.0038	370	695	500/R
A70400240	240	30	18.40	2.3	23.00	0.125	0.0036	450	900	500/R
A70400300	300	30	20.60	2.5	25.50	0.110	0.0035	520	1,115	500/R
A70400400	400	53	23.45	2.7	29.00	0.0778	0.0033	620	1,415	500/R
A70400500	500	53	26.50	3.1	33.00	0.0605	0.0034	750	1,835	500/R



CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW-ALPE**

600 V 75°C PE INSULATED ALUMINUM COMPACTED CONDUCTOR SINGLE CORE



CONSTRUCTION		APPLICATION	CLASSIFICATION	REFERENCE
Conductor	Compact stranded hard draw aluminum wire	For arial cable (Service & main cable)	Maximum conductor temperature 75°C	* ICEA S-66-524
Insulation	Heat resistance polyethylene (Black colour)		Circuit voltage does not exceed 600 volts.	

CTW-ALPE		Minimum number of wire No	Nominal diameter of conductor mm.	Thickness of insulation mm.	Overall diameter of cable mm.	Maximum conductor resistance at 20°C Ω/km.	Minimum Insulation resistance at 15.6°C MΩ-km.	AC Test voltage (5 min.) kV	Allowable ampacities free Air 40°C A	Cable weight (Approx.) kg/km	Standard packing m
PRODUCT CODE	SIZE mm ²										
A80600016	16	6	4.71	1.14	7.30	1.91	2,689.77	5.5	80	65	500/R
A80600025	25	6	5.93	1.14	8.50	1.20	2,189.31	5.5	100	95	500/R
A80600035	35	6	6.98	1.14	9.60	0.868	1,877.74	5.5	120	123	500/R
A80600050	50	6	8.10	1.40	11.10	0.641	1,922.90	7.0	135	170	500/R
A80600070	70	12	9.70	1.40	12.70	0.443	1,673.85	7.0	185	235	500/R
A80600095	95	15	11.46	1.40	14.50	0.320	1,432.39	7.0	222	315	500/R
A80600120	120	15	12.93	1.65	16.50	0.253	1,502.34	8.0	275	400	500/R
A80600150	150	15	14.34	1.65	17.95	0.206	1,372.94	8.0	305	485	500/R
A80600185	185	30	16.00	1.65	19.60	0.164	1,242.46	8.0	375	595	500/R

C = Packing in coil
R = Packing in reel

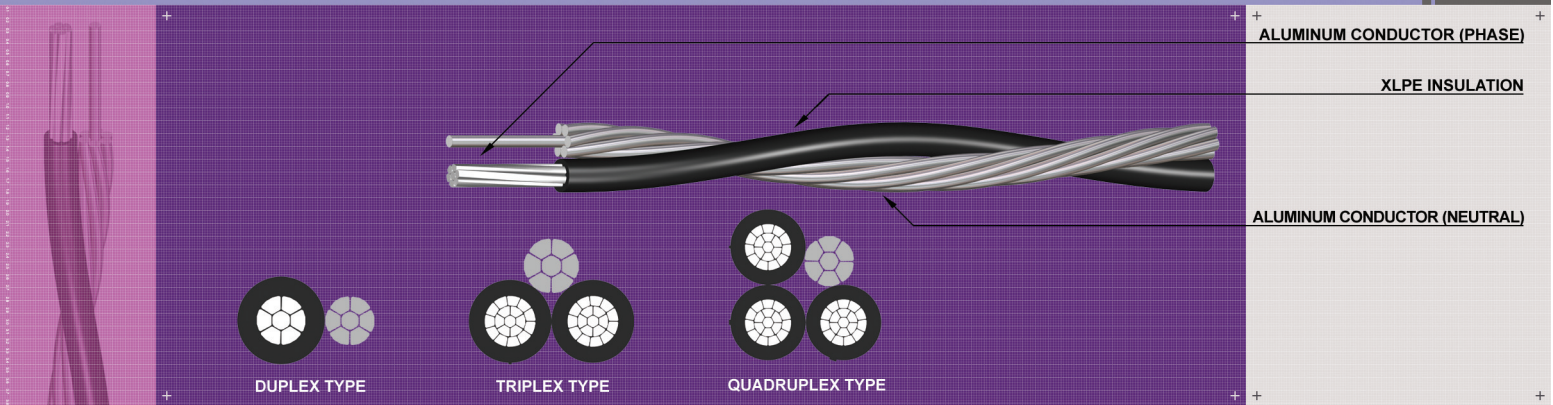


CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW-SDC**

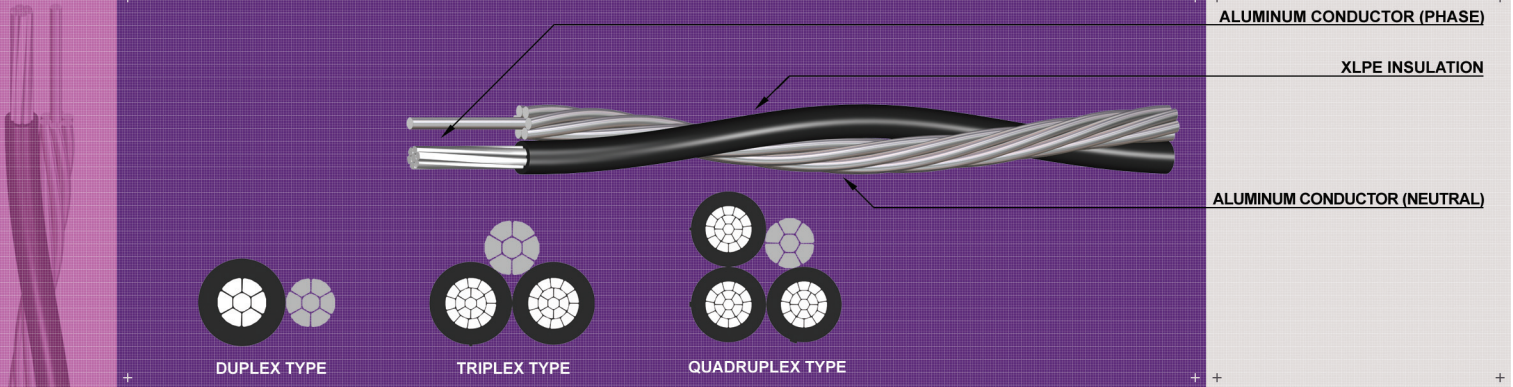
600 V XLPE 90°C SERVICE DROP CABLE

PAGES 1/2



CONSTRUCTION		APPLICATION	CLASSIFICATION	REFERENCE
Conductor	Compact stranded hard draw aluminum wire	For aerial bundled cable (service and main cable)	Maximum conductor temperature 90°C	ICEA S-66-524
Insulation	Filled cross-linked polyethylene which contains minimum 2.5 percent of carbon black		Circuit voltage does not exceed 600 volts.	* Testing voltage free Air 2500 volts
Assembly	One or more insulated conductor shall be twisted around the bare neutral conductor.			

CTW-SDC		Minimum number of wire	Nominal diameter of conductor mm.	Thickness of insulation mm.	Nominal diameter of conductor mm.	Nominal diameter over laidup core mm.	Cable weight (Approx.) kg/km	Maximum conductor resistance at 20°C Ω/km.	Minimum insulation resistance at 15.6°C MΩ-km.	Allowable ampacities free Air 40°C A	Standard packing m
PRODUCT CODE	SIZE mm ²										
Duplex Type (1 Phase + 1 Neutral)											
A81100016	16	6	4.69	1.14	7.10	11.80	110	1.91	524.41	40	500/R
A81100025	25	6	5.90	1.14	8.32	14.20	170	1.20	434	56	500/R
A81100035	35	6	6.95	1.14	9.37	16.40	225	0.868	375.55	68	500/R
A81100050	50	6	8.06	1.52	11.29	19.40	315	0.641	424.88	95	500/R
A81100070	70	12	9.65	1.52	12.97	22.80	440	0.443	359.88	145	500/R
A81100095	95	15	11.41	2.03	15.73	27.20	625	0.320	403.44	165	500/R
Triplex Type (2 Phase + 1 Neutral)											
A81200025	25	6	5.90	1.14	8.32	16.16	270	1.20	434	51	500/R
A81200035	35	6	6.95	1.14	9.37	18.53	360	0.868	375.55	63	500/R
A81200050	50	6	8.06	1.52	11.29	21.98	503	0.641	424.88	89	500/R



CONSTRUCTION		APPLICATION	CLASSIFICATION	REFERENCE
Conductor	Compact stranded hard draw aluminum wire	For aerial bundled cable (service and main cable)	Maximum conductor temperature 90°C	ICEA S-66-524 * Testing voltage 2500 volts
Insulation	Filled cross-linked polyethylene which contains minimum 2.5 percent of carbon black		Circuit voltage does not exceed 600 volts.	
Assembly	One or more insulated conductor shall be twisted around the bare neutral conductor.			

CTW-SDC		Minimum number of wire	Nominal diameter of conductor	Thickness of insulation	Nominal diameter of conductor	Nominal diameter over laidup core	Cable weight (Approx.)	Maximum conductor resistance at 20°C	Minimum insulation resistance at 15.6°C	Allowable ampacities free Air 40°C	Standard packing
PRODUCT CODE	SIZE mm ²										
Quadruplex Type (3 Phase + 1 Neutral)											
A81300016	16	6	4.69	1.14	7.10	15.69	255	1.91	524.41	38	500/R
A81300025	25	6	5.90	1.14	8.32	18.59	375	1.20	434	51	500/R
A81300035	35	6	6.95	1.14	9.37	21.24	495	0.868	375.55	63	500/R
A81300050	50	6	8.06	1.52	11.29	25.35	695	0.641	424.88	89	500/R
A81300070	70	12	9.65	1.52	12.97	29.45	955	0.443	359.88	145	500/R
A81300095	95	15	11.41	2.03	15.73	35.49	1,360	0.320	403.44	160	500/R
A81300120	120	15	12.87	2.03	17.19	38.87	1,670	0.253	362.29	185	500/R
A81300150	150	15	14.27	2.03	18.60	42.25	2,005	0.206	329.61	214	500/R

C = Packing in coil
R = Packing in reel