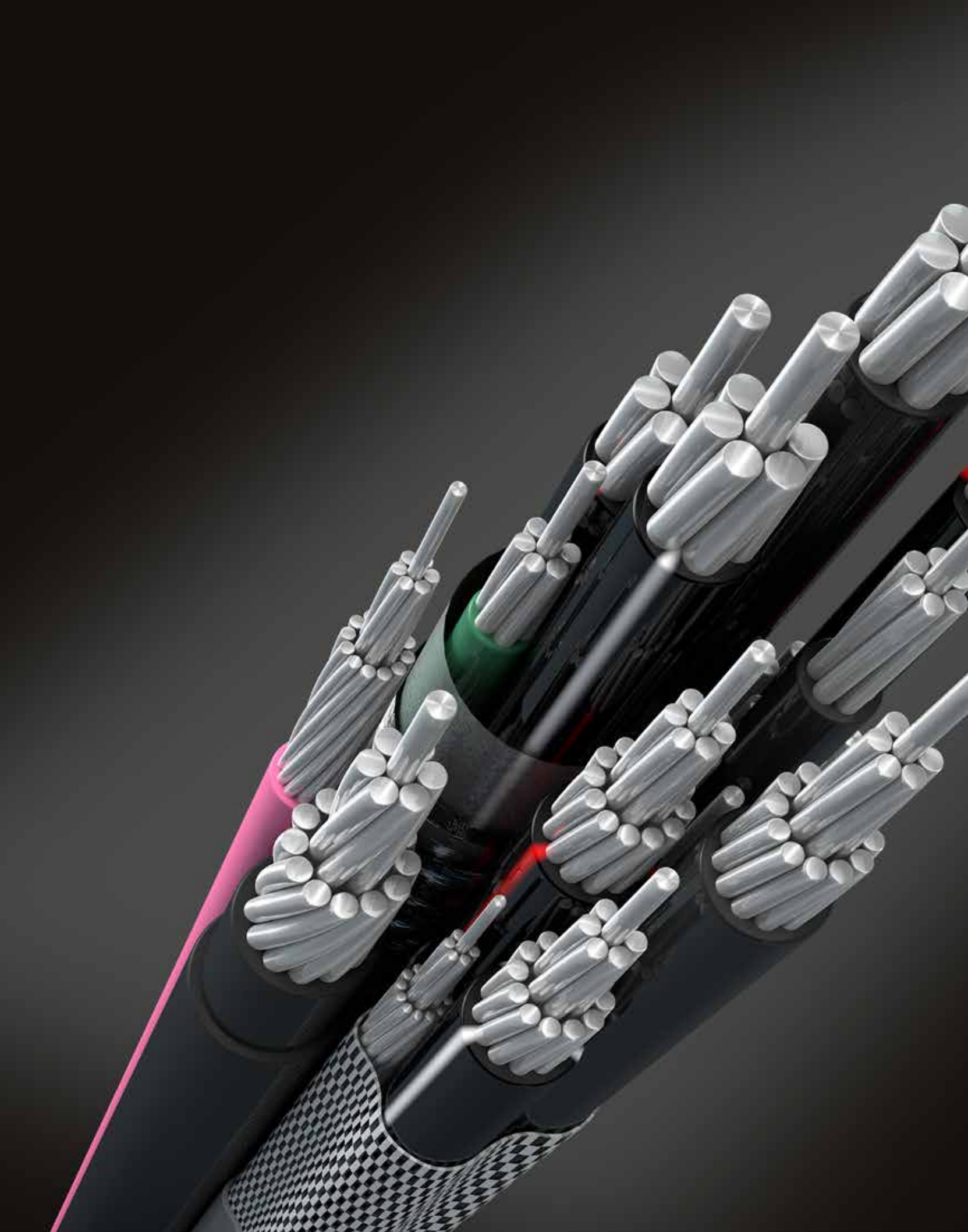


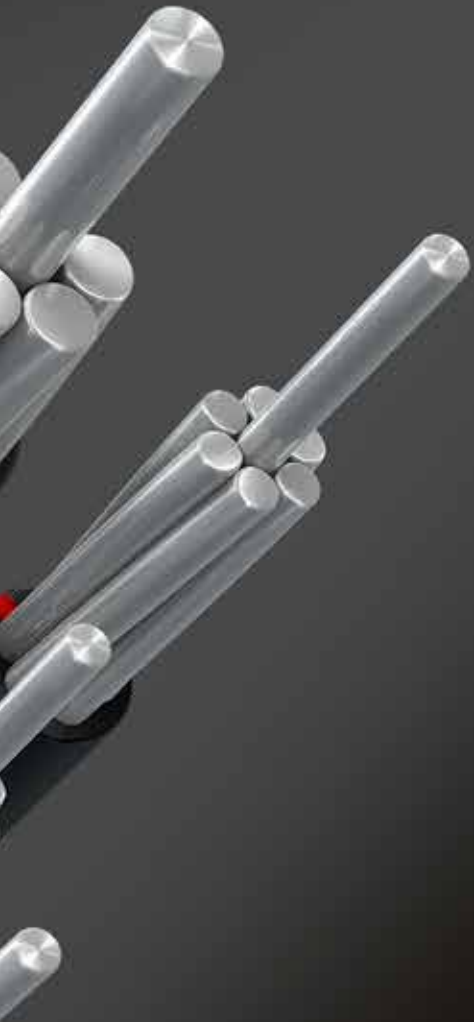


ALUMINIUM CABLE & CONDUCTOR
PRODUCT CATALOG



We are transmitting the World's Energy...





***We are transmitting
the World's Energy...***

Our Mission

Our mission is to become a global brand in the aluminum cable sector thanks to our corporate identity originating from the spirit of entrepreneurship and to provide support for the development of regional and national economy as well as becoming the first brand that comes to minds with innovative, economical, reliable brand.

Our Vision

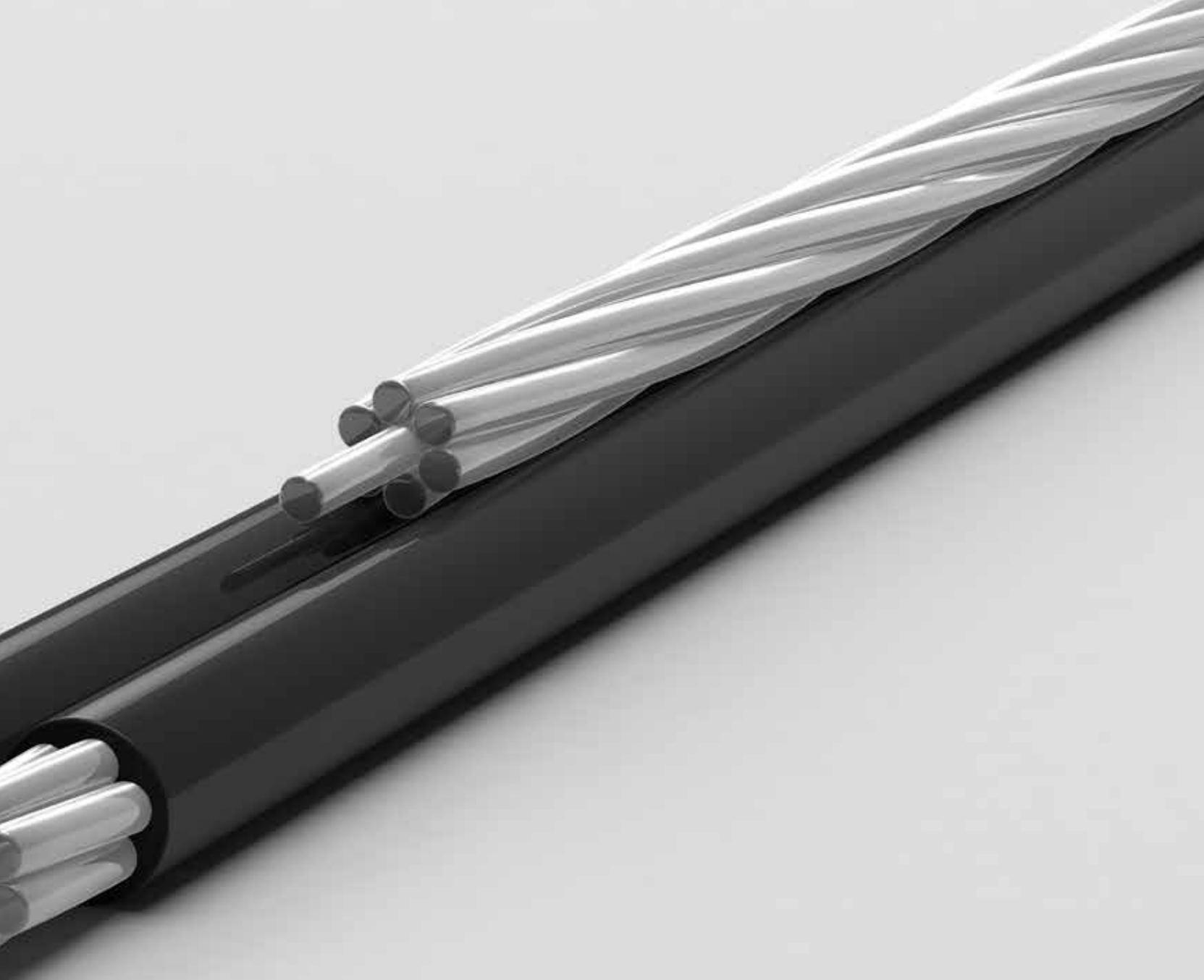
Our vision is to become a global power in the aluminum cable industry by enhancing its strong position in international markets to even higher levels with its innovative production and management approach.

Index

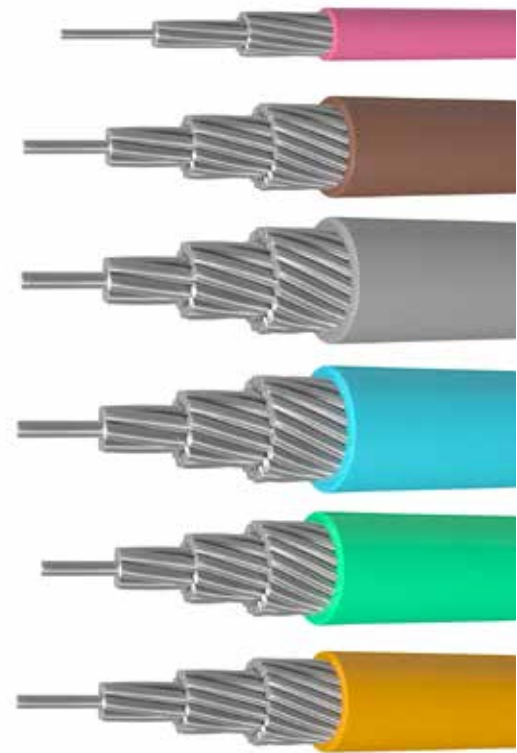
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***Aluminium
Building Wire
& Cable***





XHHW-2 ALUMINUM Cables



APPLICATION: Type XHHW-2 is intended for use as general purpose wiring for up to 600 volt rated services in air conduit or other recognized raceways for services, feeders and branch circuit wiring as specified in the National Electrical Code at a maximum conductor temperature of 90 °C in wet or dry locations.

PRODUCT FEATURES: Compact stranded 8000 Series aluminum alloy conductor. Insulation is an abrasion, moisture, heat and sunlight resistant black cross-linked polyethylene. Cable can be installed without pulling lubricant. CT rated available when requested on sizes 1/0 AWG and larger.

STANDARDS: UL Standard 44 and Federal Specification JC-30B NEC, ASTM B-800, B-801 Compliant to RoHS, Directive 2002/95/EC, ICEA S-95-658, NEMA WC 70

COLORS: Sizes 6 to 1 gauge are stocked in Black, White, Red, Blue and Green. Sizes 1/0 to 750MCM stocked in all the above colors plus Brown, Yellow, Orange, Gray, Green and Purple.

XHHW-2

Conductor (AWG or MCM)	Stranding	Insulation Thickness (mils)	Outside Diameter (in)	Weight per 1000 ft. (lbs)	Ampacity (amps)* 90° C
6	7/w	45	.260	39	60
4	7/w	45	.305	57	75
2	7/w	45	.360	84	100
1	19/w	55	.415	108	115
1/0	19/w	55	.450	132	135
2/0	19/w	55	.490	161	150
3/0	19/w	55	.540	198	175
4/0	19/w	55	.590	244	205
250	37/w	65	.655	292	230
300	37/w	65	.705	344	255
350	37/w	65	.750	396	280
400	37/w	65	.795	448	305
500	37/w	65	.870	550	350
600	61/w	80	.980	671	385
700	61/w	80	1.040	774	420
750	61/w	80	1.075	824	435
900	61/w	80	1.161	.979	480
1000	61/w	80	1.230	1079	500

Notes:

1. Data are approximate and subject to normal manufacturing tolerances.
2. Standard lengths are subject to normal manufacturing tolerance of +/- 10%
3. Two, Three or four conductors can be paralleled on a reel.
4. 90°C- XHHW-2 wet or dry locations.

USE-RHH-RHW-2

APPLICATION: Type USE-RHH-RHW-2 building wire and service cable is recognized for use as general purpose wiring at a maximum conductor temperature of 90°C in wet or dry locations for installation in air, conduit or other recognized raceways and for direct burial in circuits not exceeding 600 volts.

PRODUCT FEATURES: Compact stranded 8000 Series aluminum alloy conductor. Insulation is an abrasion, moisture, heat and sunlight resistant black cross-linked polyethylene (XLPE).

STANDARDS: UL Standard 44 (RHW or RHH), UL Standard 854 (USE) and Federal Specification JC-30B NEC.



USE-RHH-RHW-2

Conductor AWG or MCM	Stranding	Insulation Thickness (mils)	Outside Diameter (in)	Weight per 1000 ft. (lbs)	Ampacity (amps) 90°C
6	7/w	60	.290	49	60
4	7/w	60	.334	65	75
2	7/w	60	.390	94	100
1	19/w	80	.460	125	115
1/0	19/w	80	.500	150	135
2/0	19/w	80	.540	181	150
3/0	19/w	80	.590	220	175
4/0	19/w	80	.635	268	205
250	37/w	95	.710	320	230
350	37/w	95	.810	428	280
500	37/w	95	.930	591	350
600	61/w	110	1.035	715	385
750	61/w	110	1.130	873	435
1000	61/w	110	1.280	1132	500

1. Data are approximate and subject to normal manufacturing tolerances.
2. Standard lengths are subject to normal manufacturing tolerance of +/- 10%
3. Two, Three or four conductors can be paralleled on a reel.
4. 90°C-RHH dry locations, RHW-2 wet or dry locations.



MOBILE HOME FEEDER CABLE



APPLICATION: Mobile Home Feeder Cable is used to provide power from the electrical disconnect to the distribution panel board in mobile home applications, suitable for direct burial at conductor temperatures not to exceed 90°C.

PRODUCT FEATURES:

- Type MHF cable is constructed with AA-8000 series aluminum alloy, compact stranded conductors.
- Cross-linked polyethylene (XLPE) insulation rated for a maximum operation temperature of 90°C in wet and dry locations.
- Sunlight resistant, moisture resistant and flame retardant insulation.
- Insulation is heavy metal free in compliance with RoHS, Directive 2002/95/EC.

STANDARDS: UL Standard 44 for Type RHH-RHW-2, UL Standard 854 for Type USE-2, Federal Specification A-A-59544, Approved for use in accordance with the requirements of the NEC NFPA 70, 2011 Edition.

MHF Cable

Conductor (AWG or kcmil)	Insulation Thickness (mils)	Cable O.D.	Weight per 1000 ft. (lbs)	Ampacity
2-2-4-6	60	0.884	295	100
2-2-2-4	60	0.909	343	100
2/0-2/0-1-4	80	1.180	562	150
2/0-2/0-2/0-1	80	1.250	683	150
4/0-4/0-2/0-4	80	1.380	799	200
4/0-4/0-4/0-2/0	80	1.480	1010	200

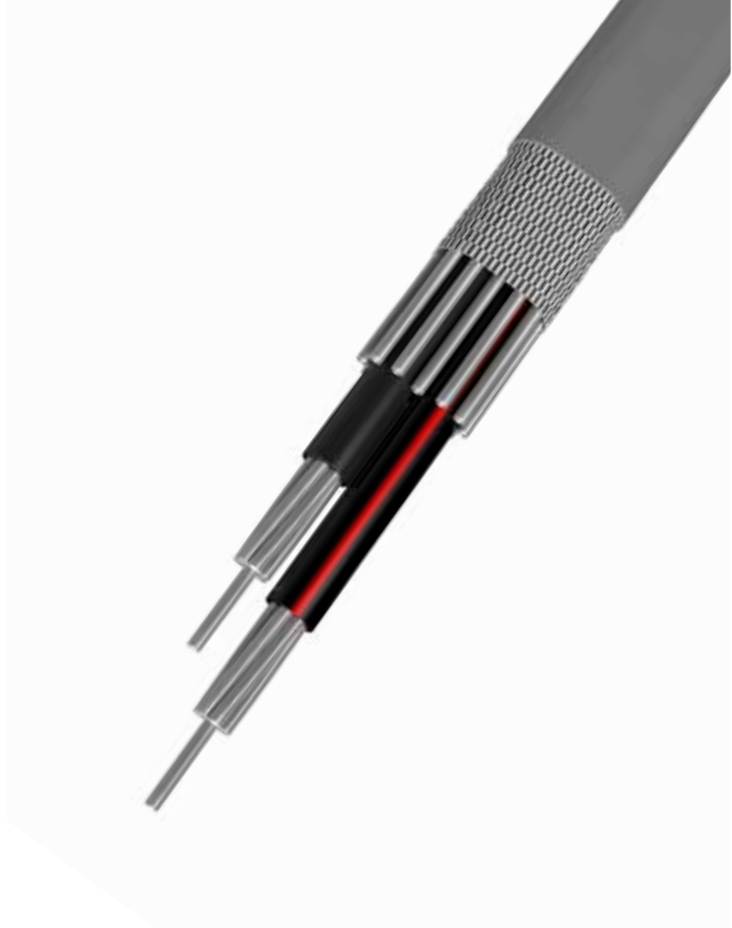


TYPE SE STYLE (U)

APPLICATION: Service Entrance Cable Style U (SEU) is for use as primary cable to deliver overhead electrical service from the service head to house meter, 90°C wet or dry and interior wiring applications.

- PRODUCT FEATURES:**
- Type SE cable is constructed with AA-8000 series aluminum alloy, compact stranded conductors.
 - Cross-linked polyethylene insulation rated for a maximum operation temperature of 90°C in wet and dry locations.
 - Eco friendly sunlight resistant, flame retardant and heavy metal free Polyvinyl Chloride (PVC) Jacket.
 - Insulation and Jacket materials are in compliance with RoHS, Directive 2002/95/EC.
 - Sequential foot markings for easier inventory control management.

STANDARDS: UL Standard 44 for type XHHW-2 conductors, UL Standard 854, Federal Specification JC-30B NEC, Approved for use in accordance with the requirements of the NEC NFPA 70, 2011 Edition.



Service Entrance Cable Style U (SEU)

Size AWG & Construction	Stranding		Outside Diameter (in)	Weight per 1000 ft. (lbs)	Ampacity (AMPS)*	
	Phase Conductors	Bare Ground			90° C	Dwelling
6-6-6	7	11	.458 x .720	143	60	-
4-4-4	7	16	.505 x .811	198	75	-
4-4-6	7	11	.502 x .808	184	75	-
2-2-2	7	15	.559 x .919	282	100	100
2-2-4	7	16	.559 x .919	259	100	100
1/0-1/0-1/0	19	18	.661 x 1.095	438	135	125
1/0-1/0-2	19	14	.647 x 1.095	387	135	125
2/0-2/0-2/0	19	18	.719 x 1.208	516	150	150
2/0-2/0-1	19	14	.702 x 1.190	467	150	150
4/0-4/0-4/0	19	30	.857 x 1.445	770	205	200
4/0-4/0-2/0	19	18	.818 x 1.406	692	205	200

Notes: Data are approximate and subject to normal manufacturing tolerances.

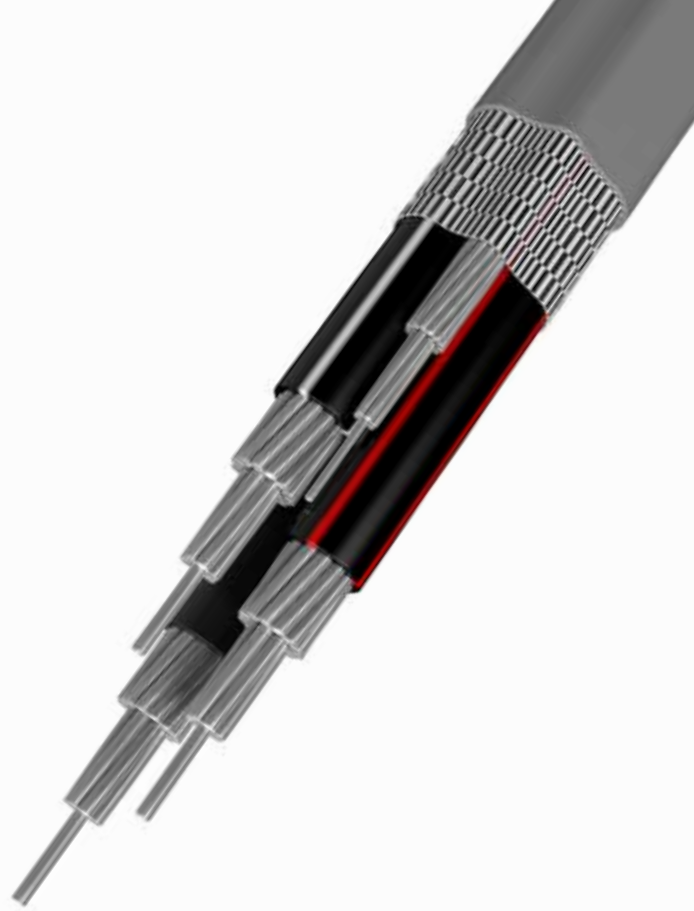


TYPE SE STYLE (R)

APPLICATION: Service Entrance Cable Style R (SER) is used to convey power from the service drop to the meter base and from the meter base to the distribution panel board. It can be used for both above ground service entrance and interior wiring applications at temperatures not to exceed 90°C.

- PRODUCT FEATURES:**
- Type SE cable is constructed with AA-8000 series aluminum alloy, compact stranded conductors.
 - Cross-linked polyethylene insulation rated for a maximum operation temperature of 90°C in wet and dry locations.
 - Eco friendly sunlight resistant, flame retardant and heavy metal free Polyvinyl Chloride (PVC) Jacket.
 - Insulation and Jacket materials are in compliance with RoHS, Directive 2002/95/EC.
 - Sequential foot markings for easier inventory control management.

STANDARDS: UL Standard 44 for type XHHW-2 conductors, UL Standard 854, Federal Specification JC-30B NEC, Approved for use in accordance with the requirements of the NEC NFPA 70, 2011 Edition.



Service Entrance Cable Style R (SER) - 2 Conductor with Ground SER

Size AWG & Construction	Stranding		Nominal Diameter (in)	Weight per 1000 ft. (lbs)	Ampacity (AMPS)* (sq. in.)	
	Phase Conductors	Equipment Ground Conductor			90° C	Dwelling
6-6-6	7	-	.650	150	60	-
4-4-6	7	-	.681	196	75	-
4-4-4	7	-	.682	196	75	-

Notes: Data are approximate and subject to normal manufacturing tolerances.

* To determine correct ampacity by conductor size, please consult the National Electric Code, latest edition.



Service Entrance Cable Style R (SER) - 3 Conductor with Ground SER

Size AWG & Construction	Stranding		Nominal Diameter (in)	Weight per 1000 ft. (lbs)	Ampacity (AMPS)* (sq. in.)	
	Phase Conductors	Equipment Ground Conductor			90° C	Dwelling
8-8-8-8	Solid	Solid	.588	128	45	-
6-6-6-6	7	7	.684	180	60	-
4-4-4-6	7	7	.754	240	75	-
2-2-2-4	7	7	.893	344	100	100
1-1-1-3	19	7	1.003	432	115	110
1/0-1/0-1/0-2	19	7	1.097	521	135	125
2/0-2/0-2/0-1	19	19	1.197	633	150	150
3/0-3/0-3/0-1/0	19	19	1.314	771	175	175
4/0-4/0-4/0-2/0	19	19	1.443	942	205	200
250-250-250-3/0	37	19	1.601	1106	230	225

Service Entrance Cable Style R (SER) - 4 Conductor with Ground SER

Size AWG & Construction	Stranding		Nominal Diameter (in)	Weight per 1000 ft. (lbs)	Ampacity (AMPS)* (sq. in.)	
	Phase Conductors	Equipment Ground Conductor			90° C	Dwelling
2-2-2-2-4	7	7	1.004	450	100	100
2/0-2/0-2/0-2/0-1	19	19	1.346	824	150	150
4/0-4/0-4/0-4/0-2/0	19	19	1.621	1226	205	200
250-250-250-250-3/0	37	19	1.950	1454	230	225

Notes: Data are approximate and subject to normal manufacturing tolerances.
 *To determine correct ampacity by conductor size, please consult the National Electric Code, latest edition.



TYPE MC CABLE

APPLICATION: Type MC Cable can be used to replace wire and conduit in applications such as cable tray, power lighting, service feeders and branch circuits as permitted by the National Electrical Code.

PRODUCT FEATURES: Type MC cable is constructed with 3 or 4 8000 series compact stranded aluminum XHHW-2 conductors cabled with a bare or insulated 8000 series aluminum grounding conductor. A binder identification baring tape is wrapped over the cabled assembly. Aluminum armor is interlocked over the conductor assembly. All insulated conductors are phase identified.

STANDARDS: UL standard 44, UL standard 1569, Federal Specification JC-30B, ICEA S-66-524 and requirements of the National Electrical Code.
Compliant to RoHS, Directive 2002/95/EC, ICEA S-95-658, NEMA WC 70



MC Cable

Cond. Size AWG or MCM	Sub Assembly (O.D.)	Overall Diameter (in)	Weight per 1000 ft. (lbs)	Ampacity (amps) 75° C
Three Conductor with Ground				
6-6-6-6	0.57	0.78	237	50
4-4-4-6	0.66	0.88	298	65
2-2-2-6	0.78	1	411	90
1-1-1-4	0.89	1.11	496	100
1/0-1/0-1/0-4	0.97	1.19	578	120
2/0-2/0-2/0-4	1.06	1.27	678	135
3/0-3/0-3/0-4	1.16	1.38	833	155
4/0-4/0-4/0-2	1.27	1.59	1089	180
250-250-250-2	1.42	1.73	1275	205
300-300-300-2	1.51	1.79	1361	230
350-350-350-2	1.62	1.94	1653	250
400-400-400-1	1.72	2.04	1830	270
500-500-500-1	1.88	2.2	2177	310
600-600-600-1	2.1	2.4	2608	340
750-750-750-1/0	2.3	2.5	3118	385

MC Cable

Cond. Size AWG or MCM	Sub Assembly (O.D.)	Overall Diameter (in)	Weight per 1000 ft. (lbs)	Ampacity (amps) 75° C
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Four Conductor with Ground

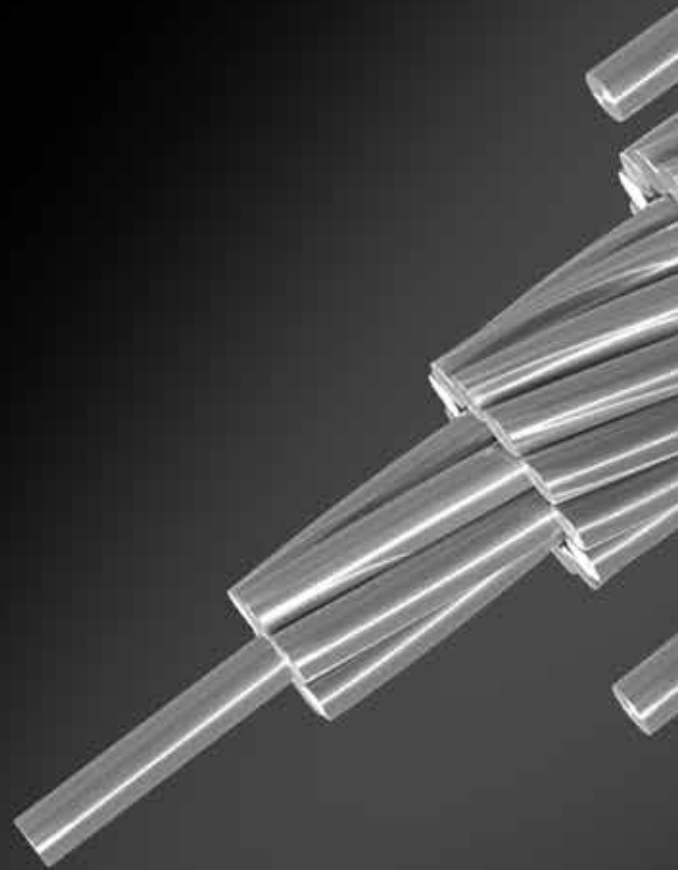
6-6-6-6-6	0.70	0.92	278	50
4-4-4-4-6	0.77	1.04	360	65
2-2-2-2-6	0.89	1.10	482	72
1-1-1-1-4	0.99	1.21	619	80
1/0-1/0-1/0-1/0-4	1.08	1.3	727	92
2/0-2/0-2/0-2/0-4	1.18	1.4	858	108
3/0-3/0-3/0-3/0-4	1.3	1.61	1138	124
4/0-4/0-4/0-4/0-2	1.42	1.74	1374	144
250-250-250-250-1	1.58	1.9	1634	184
300-300-300-300-1	1.70	1.99	1722	230
350-350-350-350-1/0	1.82	2.13	1969	250
400-400-400-400-1/0	1.91	2.20	2189	300
500-500-500-500-2/0	2.11	2.35	2653	310
600-600-600-600-2/0	2.35	2.67	3177	340
750-750-750-750-3/0	2.60	2.86	3858	385

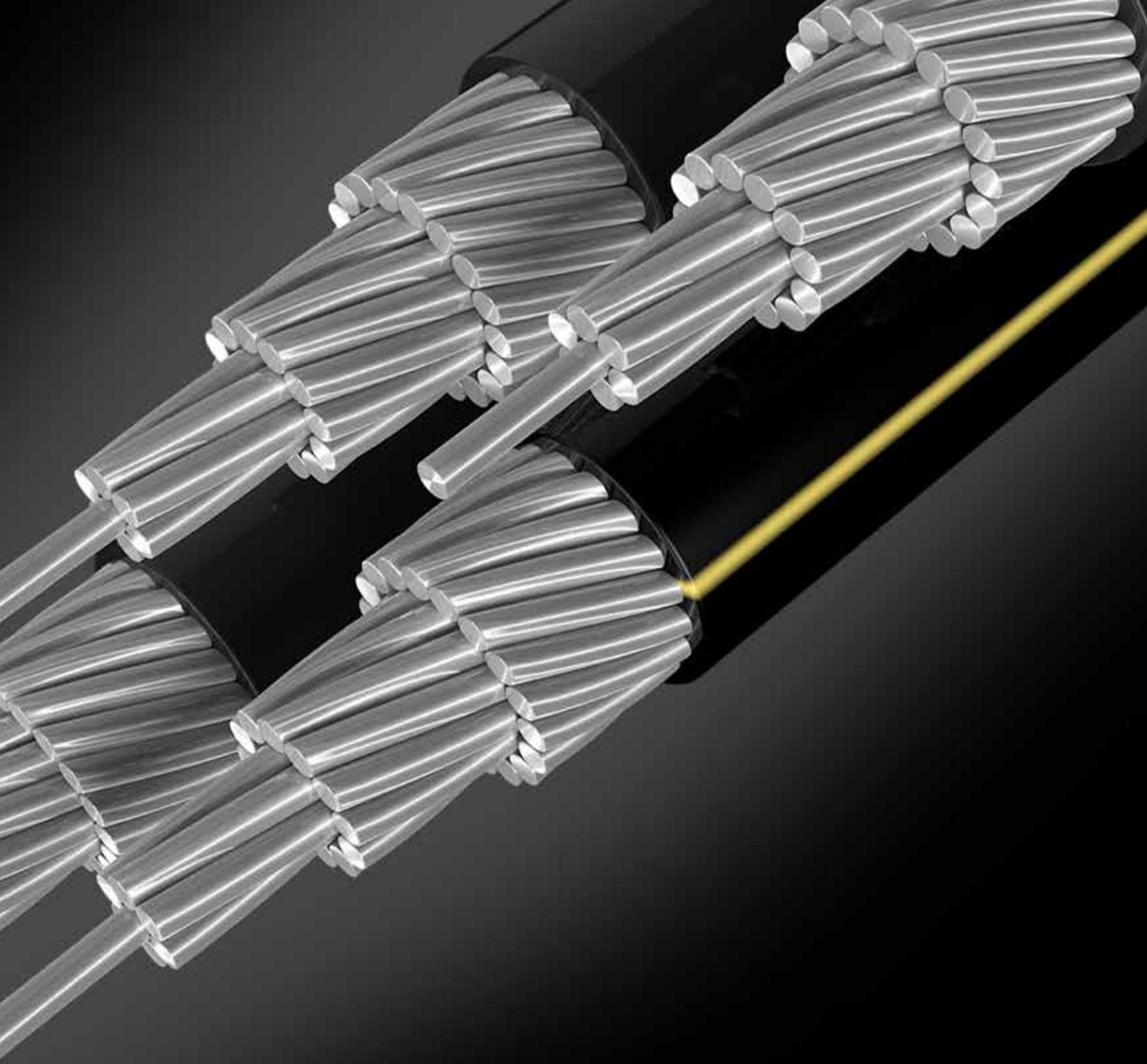
Notes:

1. Ampacities shown are for general use as specified by the National Electrical Code, Section 310.15 Under normal conditions four conductor ampacities are not derated as shown above. If NEC Section 310.15 (b) (4) (a) does not consider the neutral as current carrying conductor, use ampacities listed for the three conductor cable.
2. Standard lengths are subject to normal manufacturing tolerance of +/- 10%
3. Other conductor sizes available upon request. Other ground sizes are available upon request.



***Aluminium 600 Volt
Secondary UD-URD
Cable***





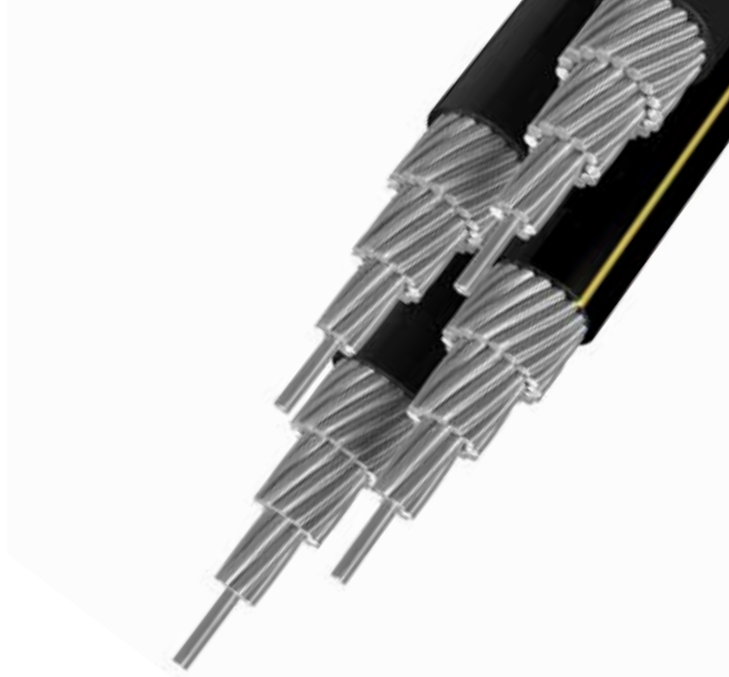
coreal

600 VOLT SECONDARY UD

APPLICATION: Directly buried or installed in ducts for 600 volt secondary distribution.

PRODUCT FEATURES: Concentric stranded or compressed 1350-H19 aluminum conductor, crosslinked polyethylene insulation. Insulated conductors surface printed, neutral, triple yellow striped or solid yellow. Black neutrals may be specified if desired.

STANDARDS: UL Standard 854 for Type USE-2, ASTM B-230, B-231 and ICEA S-105-692, Federal Specification JC-30B NEC



Duplex Conductor 600 Volt Secondary Type URD Cable - Aluminum Conductor

Code Word	Phase Conductors			Neutral Conductor			Single Phase Conductor (in)	Outside Diameter (in)	Weight per 1000 ft (lbs)	Ampacity	
	Size AWG	Strand	Insulation Thickness (MLS)	Size AWG	Strand	Insulation Thickness (MLS)				Direct Burial	In Duct
Bard	8	7/W	60	8	7/W	60	.262	.524	76	70	55
Clafin	6	7/W	60	6	7/W	60	.299	.596	91	95	70
Delgado	4	7/W	60	4	7/W	60	.345	.690	129	125	90
Everett	2	7/W	60	2	7/W	60	.403	.808	187	187	100

Triplex Conductor 600 Volt Secondary Type URD Cable - Aluminum Conductor

Code Word	Phase Conductors			Neutral Conductor			Single Phase Conductor (in)	Outside Diameter (in)	Weight per 1000 ft (lbs)	Ampacity	
	Size AWG	Strand	Insulation Thickness (MLS)	Size AWG	Strand	Insulation Thickness (MLS)				Direct Burial	In Duct
Erksine	6	7/w	60	6	7/w	60	.299	.646	143	95	70
Vassar	4	7/w	60	4	7/w	60	.345	.754	203	125	90
Stephens	2	7/w	60	4	7/w	60	.403	.842	264	165	120
Ramapo	2	7/w	60	2	7/w	60	.403	.874	294	165	120
Brenau	1/0	19/w	80	2	7/w	60	.522	1.064	408	215	160
Bergen	1/0	19/w	80	1/0	19/w	80	.522	1.133	465	215	160
Converse	2/0	19/w	80	1	19/w	80	.566	1.174	502	245	180
Hunter	2/0	19/w	80	2/0	19/w	80	.566	1.228	560	245	180
Hollins	3/0	19/w	80	1/0	19/w	80	.616	1.276	606	280	205
Sweetbriar	4/0	19/w	80	2/0	19/w	80	.672	1.389	739	315	240
Monmouth	4/0	19/w	80	4/0	19/w	80	.672	1.457	828	315	240
Pratt	250	37/w	95	3/0	19/w	80	.748	1.538	893	345	265
Wesleyan	350	37/w	95	4/0	19/w	80	.851	1.736	1166	415	320
Rider	500	37/w	95	350	37/w	95	.979	2.035	1663	495	395
Fairfield	750	61/w	110	500	37/w	95	1.118	2.860	2304	615	525

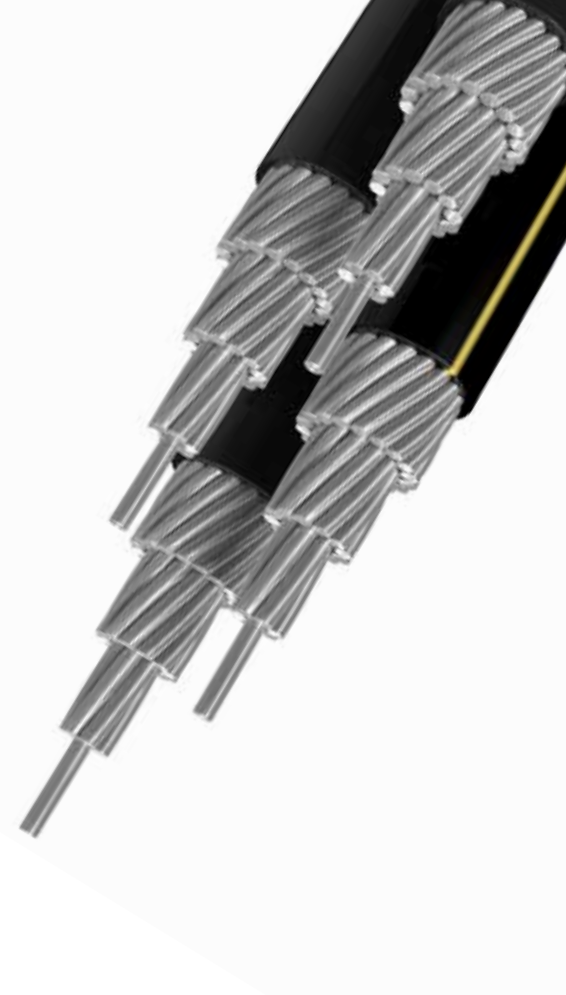
Quadruplex Conductor 600 Volt Secondary Type URD Cable - Aluminum Conductor

Code Word	Phase Conductors			Neutral Conductor			Single Phase Conductor (in)	Outside Diameter (in)	Weight per 1000 ft (lbs)	Ampacity	
	Size AWG	Strand	Insulation Thickness (MLS)	Size AWG	Strand	Insulation Thickness (MLS)				Direct Burial	In Duct
Tulsa	4	7/w	60	4	7/w	60	.345	.833	258	119	85
Dyke	2	7/w	60	4	7/w	60	.403	.938	346	153	115
Wittenberg	2	7/w	60	2	7/w	60	.403	.973	375	153	115
Notre Dame	1/0	19/w	80	2	7/w	60	.522	1.188	541	198	150
Purdue	1/0	19/w	80	1/0	19/w	80	.522	1.260	596	198	150
Syracuse	2/0	19/w	80	1	19/w	80	.566	1.316	664	225	170
Wake Forest	4/0	19/w	80	2/0	19/w	80	.672	1.560	979	290	225
Rust	250	37/w	95	3/0	19/w	80	.748	1.725	1,176	319	240
Slippery Rock	350	37/w	95	4/0	19/w	80	.851	1.945	1,544	385	305
Wofford	500	37/w	95	350	37/w	95	.851	2.348	2,174	467	420
Westminster	750	61/w	110	350	37/w	95	.979	2.722	2,816	615	492

Ampacity: 90°C conductor temperature, 20°C ambient, RHO 90, 100% load factor for three conductor triplex with neutral carrying only unbalanced load. All Yellow Extruded Stripe, cable is XLP insulation.



UD TRIPLEX TRI-RATED 600V



APPLICATION: Triplex type RHH or RHW-2 or USE-2 is primarily used for secondary distribution and underground service at 600 volts or less, either direct burial or in ducts. May also be used in conduit as specified by the NEC.

PRODUCT FEATURES: • Triplex Type RHH or RHW-2 or USE-2 Secondary UD is constructed with 8000 Series Aluminum Alloy Conductors.

- Cross-linked polyethylene insulation (XLPE) abrasion, impact and sunlight resistant.
- Insulation is extruded lead-free cross-linked polyethylene, the two phase conductors are black, and the neutral conductor is black identified by three longitudinal white extruded stripes, all insulation materials are RoHS, Directive 2002/95/EC compliant.
- Sequential foot markings for easier inventory control management.

STANDARDS: UL Standard 44 for Type RHH or RHW-2, UL Standard 854 for Type USE-2 ICEA S-105-692 for cross-linked polyethylene insulated conductors, ASTM B-800 8000 Series Aluminum Alloy Wire for Electrical Purposes – Annealed and Intermediate Temps. ASTM B-801 Concentric Lay Stranded Conductors of 8000 Series Alloy for Subsequent Covering or Insulation.

Triplex Tri-Rated 600V TYPE URD CABLE

Code Word	Phase Conductors			Neutral Conductor			Outside Diameter (in)	Weight per 1000 ft. (lbs)		Ampacity	
	Size AWG	No. of Wires	Insulation Thickness	Size AWG	Strand	Insulation Thickness		AL	Total	Direct Burial	In Duct
Vassar	4	7	0.060	4	7	0.060	0.745	118	191	125	90
Stephens	2	7	0.060	4	7	0.060	0.875	164	249	165	120
Ramapo	2	7	0.060	2	7	0.060	0.875	184	275	165	120
Brenau	1/0	19	0.080	2	7	0.060	1.110	261	387	215	160
Bergen	1/0	19	0.080	1/0	19	0.080	1.110	298	441	215	160
Converse	2/0	19	0.080	1	19	0.080	1.205	329	478	245	180
Hunter	2/0	19	0.080	2/0	19	0.080	1.205	375	535	245	180
Sweetbriar	4/0	19	0.080	2/0	19	0.080	1.421	523	709	315	240
Monmouth	4/0	19	0.080	4/0	19	0.080	1.421	597	796	315	240
Pratt	250	37	0.095	3/0	19	0.080	1.590	628	853	345	265
Wesleyan	350	37	0.095	4/0	19	0.080	1.780	843	1118	415	320

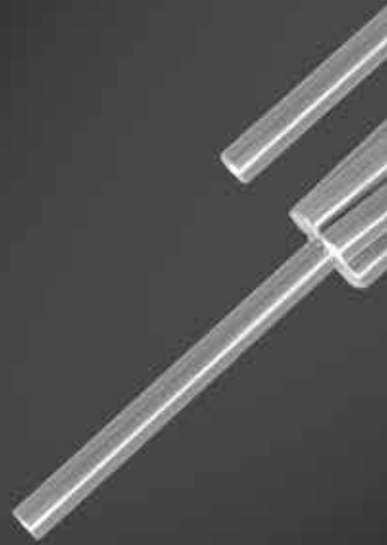
Notes: Data are approximate and subject to normal manufacturing tolerances.

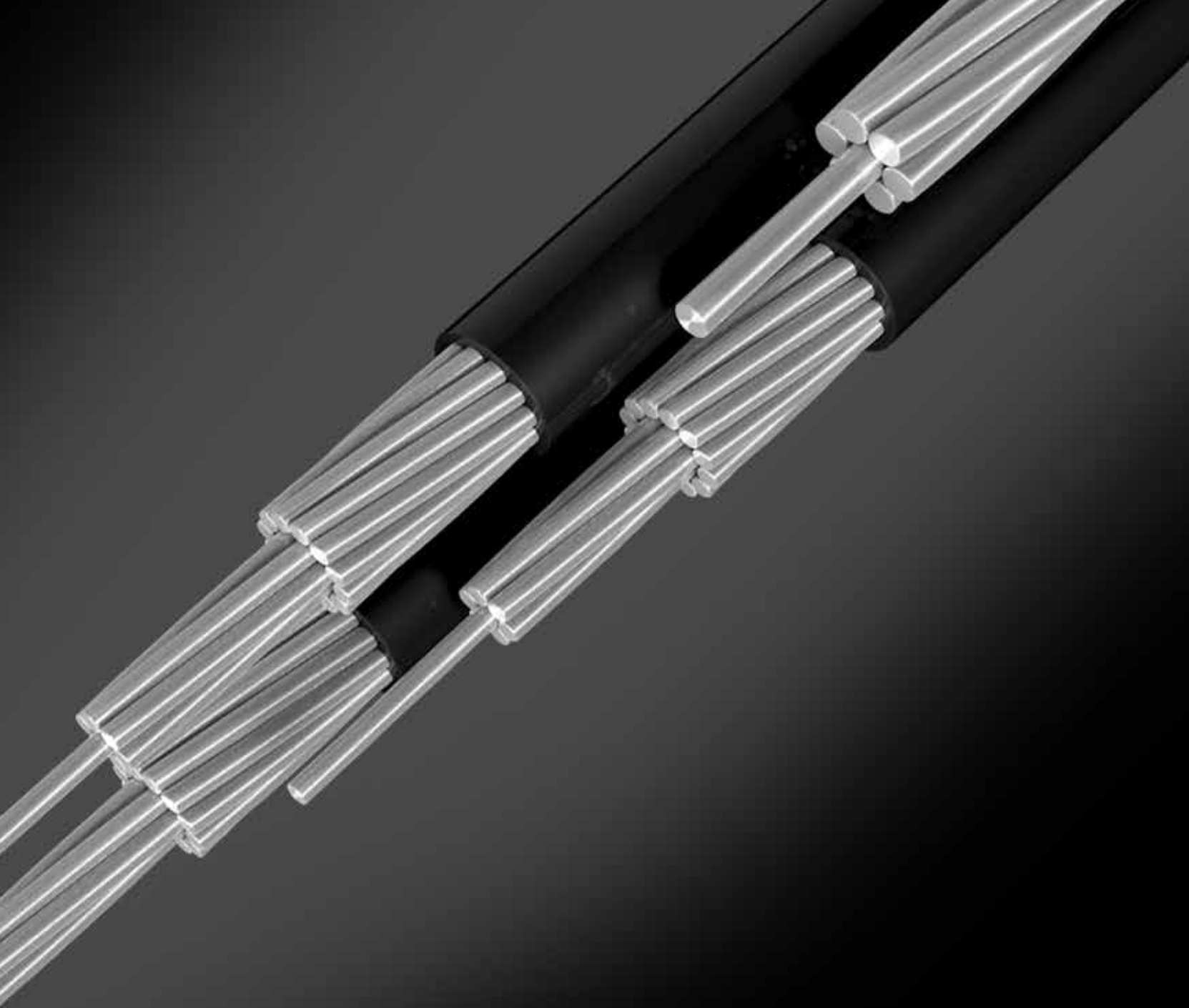


We are transmitting
the world's energy



Aluminium Service Drop Cables





SERVICE DROP CABLE



APPLICATION:

DUPLEX: To supply 120 volts aerial service for temporary service at construction sites, outdoor or street lighting. For service at 600 volts or lower at conductor temperatures not to exceed 75°C for polyethylene insulated conductors or 90°C for crosslinked polyethylene (XLP) insulated conductors.

TRIPLEX: To supply power from the utility's lines to the consumer's weatherhead. For service at 600 volts or less (phase to phase) at a conductor temperature of 75°C maximum for polyethylene insulation or 90°C maximum for crosslinked polyethylene (XLP) insulated conductors.

QUADRUPLEX: Used to supply 3 phase power, usually from a pole mounted transformer to the user's service head where connection to the service entrance cable is made. To be used at voltages of 600 volts or less phase to phase and at conductor temperatures not to exceed 75°C for polyethylene insulated conductors or 90°C for crosslinked polyethylene (XLP) insulated conductors.

PRODUCT FEATURES: Conductors are concentrically stranded, compressed 1350-H19 aluminum. Insulated with either polyethylene or XLP crosslinked polyethylene. Neutral messengers are concentrically stranded 6201, AAC or ACSR.

STANDARDS: Service drop cable meets or exceeds the following ASTM specifications:

- B-230 Aluminum Wire, 1350-H19 for Electrical Purposes
- B-231 Aluminum Conductors, Concentric-Lay-Stranded
- B-232 Aluminum Conductors, Concentric-Lay-Stranded, Coated Steel Reinforced (ACSR)
- B-399 Concentric-Lay-Stranded, 6201-T81 Aluminum Alloy Conductors
- B-901 Compressed Round Stranded Aluminum Conductors Using Single Input Wire
- ANSI/ICEA S-76-474



ACSR - Aluminum Conductor Steel Reinforced

Code Word	Phase Conductors			Bare Neutral			Weight per 1000 (lbs)		Rating (AMPS)	
	Size AWG	Strand	Insulation Thickness (MLS)	Size AWG	Strand	Breaking Strength (lbs)	XLP	Poly	XLP	Poly
Peakingese	6	Solid	45	6	7/w	563	63.5	61.7	85	70
Collie	6	7/w	45	6	7/w	563	66.8	63.1	85	70
Dachshund	4	Solid	45	4	7/w	881	95.5	93.4	110	90
Spaniel	4	7/w	45	4	7/w	881	100.5	95.4	110	90
Doberman	2	7/w	45	2	7/w	1,350	152.7	145.7	150	120
Malamute	1/0	19/w	60	1/0	7/w	1,990	242.6	234.2	205	160

Duplex Service Drop - Aluminum Conductor ACSR - Neutral Messenger

Code Word	Phase Conductors			Bare Neutral			Weight per 1000 (lbs)		Rating (AMPS)	
	Size AWG	Strand	Insulation Thickness (MLS)	Size AWG	Strand	Breaking Strength (lbs)	XLP	Poly	XLP	Poly
Setter	6	Solid	45	6	6/1	1,190	75.0	73.2	85	70
Shepherd	6	7/w	45	6	6/1	1,190	78.3	74.6	85	70
Eskimo	4	Solid	45	4	6/1	1,860	113.7	111.6	110	90
Terrier	4	7/w	45	4	6/1	1,860	118.7	113.6	110	90
Chow	2	7/w	45	2	6/1	2,850	181.7	174.7	150	120
Bull	1/0	19/w	60	1/0	6/1	4,380	288.7	280.3	200	160

Duplex Service Drop - Aluminum Conductor AAAC - Alloy Neutral Messenger

Code Word	Phase Conductors			Bare Neutral			Weight per 1000 (lbs)		Rating (AMPS)	
	Size AWG	Strand	Insulation Thickness (MLS)	Size AWG	Strand	Breaking Strength (lbs)	XLP	Poly	XLP	Poly
Chihuahua	6	Solid	45	6	7/w	1,110	67.6	65.8	85	70
Vizsla	6	7/w	45	6	7/w	1,110	70.9	67.2	85	70
Harrier	4	Solid	45	4	7/w	1,760	102.0	99.9	110	90
Whippet	4	7/w	45	4	7/w	1,760	107.0	101.9	110	90
Schnauzer	2	7/w	45	2	7/w	2,800	163.3	156.2	150	120
Heeler	1/0	19/w	60	1/0	7/w	4,460	259.2	250.8	200	160

* Note: Designated sizes are ACSR 6/1 diameter equivalent resistivity per ASTM-B-399 for 6201.
 Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperatures of 40°C; emissivity 0.9; 2ft/sec. wind in sun.



Triplex Service Drop - AAAC-Alloy Neutral Messenger

Code Word	Phase Conductors			Bare Neutral			Weight per 1000 (lbs)		Rating (AMPS)	
	Size AWG	Strand	Insulation Thickness (MLS)	Size AWG	Strand	Breaking Strength (lbs)	XLP	Poly	XLP	Poly
Minex	6	Solid	45	6	7	1,110	106.6	102.9	85	70
Hippa	6	7/w	45	6	7	1,110	107.0	105.7	85	70
Prawn	4	Solid	45	4	7	1,760	158.4	154.1	110	90
Barnacles	4	7/w	45	4	7	1,760	160.0	157.0	110	90
Shrimp	2	7/w	45	2	7	2,800	243.0	238.0	150	115
Gammarus	1/0	7/w	60	1/0	7	4,460	390.0	384.0	200	155
Leda	1/0	19/w	60	1/0	7	4,460	384.0	378.0	200	155
Dungenese	2/0	7/w	60	2/0	7	5,390	481.0	474.0	230	180
Cyclops	2/0	19/w	60	2/0	7	5,390	473.0	467.0	230	180
Flustra	3/0	19/w	60	3/0	7	6,790	596.0	589.1	260	205
Lepas	4/0	19/w	60	4/0	7	8,560	725.0	716.0	300	235

Triplex Service Drop - Aluminum Conductor - AAAC - Alloy Reduced Neutral Messenger

Code Word	Phase Conductors			Bare Neutral			Weight per 1000 (lbs)		Rating (AMPS)	
	Size AWG	Strand	Insulation Thickness (MLS)	Size AWG	Strand	Breaking Strength (lbs)	XLP	Poly	XLP	Poly
Artemia	4	Solid	45	6	7	1,110	134.0	132.0	110	90
Crab	4	7/w	45	6	7	1,110	144.0	141.2	110	90
Solaster	2	7/w	45	4	7	1,760	216.0	212.6	150	115
Sandcrab	1/0	7/w	60	2	7	2,800	348.0	341.0	200	155
Echinus	1/0	19/w	60	2	7	2,800	342.0	336.0	200	155
Crayfish	2/0	7/w	60	1	7	3,530	452.6	422.5	230	180
Sipho	2/0	19/w	60	1	7	3,530	441.0	422.5	230	180
Fulgar	3/0	19/w	60	1/0	7	4,460	525.0	518.0	260	205
Arca	4/0	19/w	60	2/0	7	5,360	640.0	632.0	300	235

Triplex Service Drop - Aluminum Conductor - AAC - Neutral Messenger

Code Word	Phase Conductors			Bare Neutral			Weight per 1000 (lbs)		Rating (AMPS)	
	Size AWG	Strand	Insulation Thickness (MLS)	Size AWG	Strand	Breaking Strength (lbs)	XLP	Poly	XLP	Poly
Haiotis	6	Solid	45	6	7	563	102.5	98.8	85	70
Patella	6	7/w	45	6	7	563	104.0	101.6	85	70
Fusus	4	Solid	45	4	7	881	151.9	147.6	110	90
Oyster	4	7/w	45	4	7	881	154.0	151.7	110	90
Clam	2	7/w	45	2	7	1,350	232.0	228.0	150	115
Murex	1/0	7/w	1/0	1/0	7	1,990	374.0	367.0	200	155
Purpura	1/0	19/w	1/0	1/0	7	1,990	368.0	362.0	200	155
Nassa	2/0	7/w	2/0	2/0	7	2,510	461.0	453.0	230	180
Melita	3/0	19/w	3/0	3/0	19	3,310	585.2	562.9	260	205
Portunus	4/0	19/w	4/0	4/0	19	4,020	693.0	684.0	300	235
Nannynose	336.4	19/w	336.4	336.4	19	6,146	1,111.0	1,096.0	380	290

Triplex Service Drop - Aluminum Conductor - Full Size ACSR Messenger

Code Word	Phase Conductors			Bare Neutral			Weight per 1000 (lbs)		Rating (AMPS)	
	Size AWG	Strand	Insulation Thickness (MLS)	Size AWG	Strand	Breaking Strength (lbs)	XLP	Poly	XLP	Poly
Paludina	6	Solid	45	6	6/1	1,190	114	113	85	70
Voluta	6	7/w	45	6	6/1	1,190	115	112	85	70
Whelk	4	Solid	45	4	6/1	1,860	163	161	110	90
Periwinkle	4	7/w	45	4	6/1	1,860	172	169	110	90
Conch	2	7/w	45	2	6/1	2,850	262	257	150	115
Neritina	1/0	7/w	60	1/0	6/1	4,380	420	414	200	115
Cenia	1/0	19/w	60	1/0	6/1	4,380	414	408	200	115
Runcina	2/0	7/w	60	2/0	6/1	5,310	519	512	230	180
Triton	2/0	19/w	60	2/0	6/1	5,310	511	505	230	180
Cherrystone	3/0	7/w	60	3/0	6/1	6,620	656	643	260	205
Mursia	3/0	19/w	60	3/0	6/1	6,620	633	626	260	205
Razor	4/0	7/w	60	4/0	6/1	8,350	814	799	300	235
Zuzara	4/0	19/w	60	4/0	6/1	8,350	785	777	300	235
Limot	336.4	19/w	80	336.4	18/1	8,680	1,160	1,147	300	290

Triplex Service Drop - Aluminum Conductor - ACSR Reduced Size Messenger

Code Word	Phase Conductors			Bare Neutral			Weight per 1000 (lbs)		Rating (AMPS)	
	Size AWG	Strand	Insulation Thickness (MLS)	Size AWG	Strand	Breaking Strength (lbs)	XLP	Poly	XLP	Poly
Scallop	4	Solid	45	6	6/1	1,190	142	139	110	90
Strombus	4	7/w	45	6	6/1	1,190	151	148	110	90
Cockle	2	7/w	45	4	6/1	1,860	228	224	150	115
Janthina	1/0	7/w	60	2	6/1	2,850	367	360	200	155
Ranella	1/0	19/w	60	2	6/1	2,850	361	356	200	155
Cavolinia	2/0	7/w	60	1	6/1	3,550	452	444	230	180
Clio	2/0	19/w	60	1	6/1	3,550	444	437	230	180
Sanddollar	3/0	7/w	60	1/0	6/1	4,380	570	557	260	205
Aega	3/0	19/w	60	1/0	6/1	4,380	565	552	260	205
Cutlefish	4/0	7/w	60	2/0	6/1	5,310	706	691	300	235
Cerapus	4/0	19/w	60	2/0	6/1	5,310	678	670	300	235
Cowry	336.4	19/w	80	4/0	6/1	8,350	1,135	1,093	380	290

* Note: Designated sizes are ACSR 6/1 diameter equivalent resistivity per ASTM-B-399 for 6201.
 Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperatures of 40°C; emissivity 0.9; 2ft/sec. wind in sun.



Quadruplex Service Drop - Aluminum Conductor AAC - Neutral Messenger

Code Word	Phase Conductors			Bare Neutral			Weight per 1000 (lbs)		Rating (AMPS)	
	Size AWG	Strand	Insulation Thickness (MLS)	Size AWG	Strand	Breaking Strength (lbs)	XLP	Poly	XLP	Poly
Clydesdale	4	Solid	45	4	7	881	208	201	100	80
Pinto	4	7/w	45	4	7	881	223	207	100	80
Mustang	2	7/w	45	2	7	1,350	333	312	135	105
Criollo	1/0	19/w	60	1/0	7	1,990	529	504	180	135
Percheron	2/0	19/w	60	2/0	7	2,510	649	620	205	155
Hanovarian	3/0	19/w	60	3/0	19	3,310	799	765	235	180
Oldenburg	4/0	19/w	60	4/0	19	4,020	986	946	270	205
Lippizaner	336.4	19/w	60	336.4	19	6,146	1,546	1,519	330	240

Quadruplex Service Drop - Aluminum Conductor ACSR- Neutral Messenger

Code Word	Phase Conductors			Bare Neutral			Weight per 1000 (lbs)		Rating (AMPS)	
	Size AWG	Strand	Insulation Thickness (MLS)	Size AWG	Strand	Breaking Strength (lbs)	XLP	Poly	XLP	Poly
Morochuca	6	Solid	45	6	6/1	1,190	152	147	75	60
Chola	6	7/w	45	6	6/1	1,190	162	151	75	60
Morgan	4	Solid	45	4	6/1	1,860	226	220	100	80
Hackney	4	7/w	45	4	6/1	1,860	241	226	100	80
Palomino	2	7/w	45	2	6/1	2,850	362	342	135	105
Costena	1/0	19/w	60	1/0	6/1	4,380	575	550	180	135
Grullo	2/0	19/w	60	2/0	6/1	5,310	707	678	205	155
Suffolk	3/0	19/w	60	3/0	6/1	6,620	872	838	235	180
Appaloosa	4/0	19/w	60	4/0	6/1	8,350	1,079	1,039	270	205
Bronco	336.4	19/w	60	336.4	18/1	8,580	1,613	1,568	330	240
Gelding	336.4	19/w	60	4/0	6/1	8,350	1,548	1,494	330	240

Quadruplex Service Drop - Aluminum Conductor AAAC-Alloy - Neutral Messenger

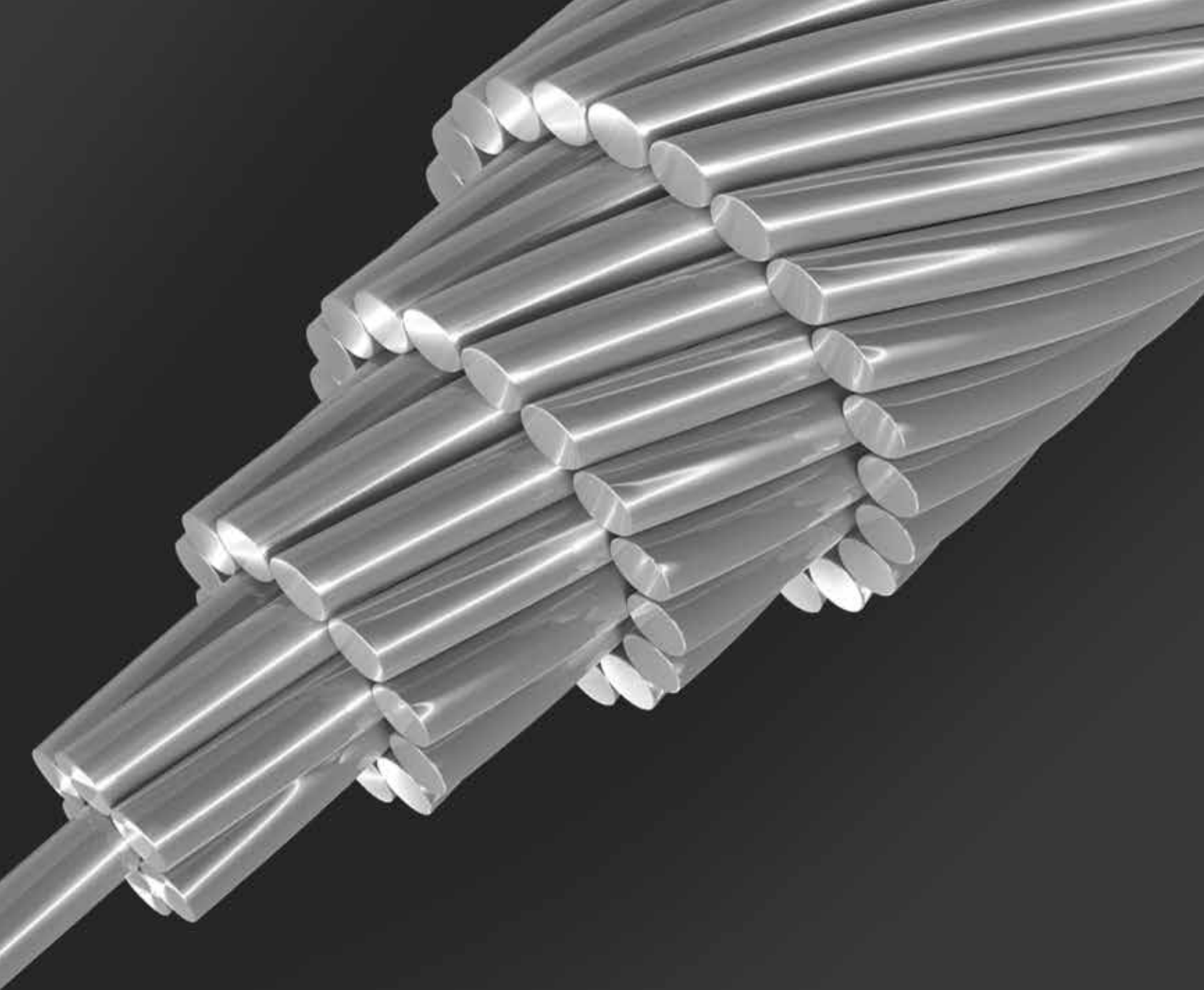
Code Word	Phase Conductors			Bare Neutral			Weight per 1000 (lbs)		Rating (AMPS)	
	Size AWG	Strand	Insulation Thickness (MLS)	Size AWG	Strand	Breaking Strength (lbs)	XLP	Poly	XLP	Poly
Bay	6	Solid	45	6	7	1,110	145	140	75	60
French Coach	6	7/w	45	6	7	1,110	155	144	75	60
German Coach	4	Solid	45	4	7	1,760	214	208	100	80
Arabian	4	7/w	45	4	7	1,760	229	214	100	80
Belgian	2	7/w	45	2	7	2,800	344	323	135	105
Shetland	1/0	19/w	60	1/0	7	4,460	546	521	180	135
Thoroughbred	2/0	19/w	60	2/0	7	5,390	670	641	205	155
Trotter	3/0	19/w	60	3/0	7	6,790	825	791	235	180
Walking	4/0	19/w	60	4/0	7	8,560	1,019	979	270	205

* Note: Designated sizes are ACSR 6/1 diameter equivalent resistivity per ASTM-B-399 for 6201.
 Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperatures of 40°C; emissivity 0.9; 2ft/sec. wind in sun.



Bare Aluminium Conductors





AAC BARE ALUMINUM

APPLICATION: Stranded 1350 aluminum conductors shown in this section of data are classified as follows: Class AA for bare conductors usually used in overhead lines; Class A for conductors to be covered with weather-resistant materials and for bare conductors where greater flexibility is required. Compact strand conductor for use in bare overhead applications or for use with weather-resistant coverings or insulations is also available. Classes refer to stranding and are an indication of relative conductor flexibility, AA being the least flexible, C the most flexible.

PRODUCT FEATURES: Aluminum alloy 1350-H19 wires, concentrically stranded.

STANDARDS: AAC bare conductors meet or exceed the following ASTM Specifications:

- B-230 Aluminum Wire, 1350-H19 for Electrical Purposes
- B-231 Aluminum Conductors, Concentric-Lay-Stranded
- B-400 Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors



AAC - Bare Aluminum

Code Word	AWG	Stranding		Diameter		Cross Sectional Area (sq. in.)	Weight per 1000 ft (Lbs)	Rated Breaking Strength (Lbs)	Resistance OHMS/1000 ft		Rating (AMPS)
		# of Wires	Class	Indiv. Wire	Complete Cable OD				DC @ 20°C	AC @ 75°C	
Peachbell	6	7/w	A	.0612	.184	.0206	24.6	563	.658	.805	103
Rose	4	7/w	A	.0772	.232	.0328	39.2	881	.414	.506	138
Iris	2	7/w	AA,A	.0974	.292	.0521	62.3	1,350	.260	.318	185
Pansy	1	7/w	AA,A	.1093	.328	.0657	78.5	1,640	.207	.252	214
Poppy	1/0	7/w	AA,A	.1228	.368	.0829	99.1	1,990	.164	.202	247
Aster	2/0	7/w	AA,A	.1379	.414	.1045	124.9	2,510	.130	.159	286
Phlox	3/0	7/w	AA,A	.1548	.464	.1318	157.5	3,040	.103	.126	331
Oxlip	4/0	7/w	AA,A	.1739	.522	.1662	198.6	3,830	.0817	.0999	383
Sneezewort	250	7/w	AA	.1890	.567	.1964	234.7	4,520	.0691	.0846	425
Valerian	250	19/w	A	.1147	.574	.1964	234.7	4,660	.0691	.0846	426
Daisy	266.8	19/w	AA	.1953	.586	.2095	250.5	4,830	.0648	.0793	443
Laurel	266.8	19/w	A	.1185	.593	.2095	250.5	4,970	.0648	.0793	444
Peony	300	19/w	A	.1257	.629	.2356	286.1	5,480	.0576	.0706	478
Tulip	336.4	19/w	A	.1331	.666	.2642	315.8	6,150	.0514	.0630	513
Daffodil	350	19/w	A	.1357	.679	.2749	328.6	6,390	.0494	.0605	526
Canna	397.5	19/w	AA,A	.1447	.724	.3122	373.2	7,110	.0435	.0534	570
Goldentuft	450	19/w	AA	.1538	.769	.3534	422.4	7,890	.0384	.0472	616
Cosmos	477	19/w	A	.1584	.793	.3746	447.8	8,360	.0362	.0445	639
Syringa	477	37/w	A	.1135	.795	.3746	447.8	8,690	.0362	.0445	639
Zinnia	500	19/w	AA	.1622	.811	.3927	469.4	8,760	.0346	.0425	658
Hyacinth	500	37/w	A	.1162	.813	.329	469.4	9,110	.0346	.0425	658

AAC - Alloy Bare Aluminum

Code Word	AWG	Stranding		Diameter		Cross Sectional Area (sq. in.)	Weight per 1000 ft (Lbs)	Rated Breaking Strength (Lbs)	Resistance OHMS/1000 ft		Rating (AMPS)
		# of Wires	Class	Indiv. Wire	Complete Cable OD				DC @ 20°C	AC @ 75°C	
Dahlia	556.5	19/w	AA	.1711	OD .856	.4371	522.4	9,750	.0311	.0382	703
Mistletoe	556.5	37/w	AA,A	.1226	.858	.4371	522.4	9,940	.0311	.0382	704
Meadowsweet	600	37/w	AA,A	.1273	.891	.4712	563.2	10,700	.0288	.0355	738
Orchid	636	37/w	AA,A	.1311	.918	.4995	597.0	11,400	.0272	.0355	765
Heuchera	650	37/w	AA	.1326	.928	.5105	610.2	11,600	.0266	.0328	775
Verbena	700	37/w	AA	.1375	.963	.5498	657.1	12,500	.0247	.0305	812
Flag	700	61/w	A	.1071	.964	.5498	657.1	12,900	.0274	.0305	812
Violet	715.5	37/w	AA	.1391	.974	.5620	671.7	12,800	.0242	.0299	823
Nasturtium	715.5	61/w	A	.1083	.975	.5620	671.7	13,100	.0242	.0299	823
Petunia	750	37/w	AA	.1424	.997	.5891	704.0	13,500	.0230	.0286	847
Cattail	750	61/w	A	.1109	.998	.5891	704.0	13,500	.0230	.0286	847
Arbutus	795	37/w	AA	.1446	1,026	.6244	746.3	13,900	.0217	.0271	878
Lilac	795	61/w	A	.1142	1,028	.6244	746.3	14,300	.0217	.0270	879
Cockscomb	900	37/w	AA	.1560	1,092	.7069	844.9	15,400	.0192	.0239	948
Snapdragon	900	61/w	A	.1215	1,094	.7069	844.9	15,900	.0192	.0239	948
Magnolia	954	37/w	AA	.1606	1,124	.7493	895.6	16,400	.0181	.0226	982
Goldenrod	954	61/w	A	.1251	1,126	.7493	895.6	16,900	.0181	.0226	983
Hawkweed	1000	37/w	AA	.1644	1,150	.7854	938.7	17,200	.0173	.0216	1010
Camellia	1000	61/w	A	.1280	1,152	.7854	938.7	17,700	.0173	.0216	1011
Bluebell	1033.5	37/w	AA	.1671	1,170	.8117	970.2	17,700	.0167	.0210	1031
Larkspur	1033.5	61/w	A	.1302	1,172	.8117	970.2	18,300	.0167	.0210	1032
Marigold	1113	61/w	AA,A	.1351	1,216	.8742	1045	19,700	.0155	.0195	1079
Hawthorn	1192.5	61/w	AA,A	.1398	1,258	.9366	1119	21,100	.0145	.0183	1124
Narcissus	1272	61/w	AA,A	.1444	1,300	.9990	1194	22,000	.0136	.0173	1169
Columbine	1351.5	61/w	AA,A	.1489	1,340	1,061	1269	23,400	.0128	.0163	1212
Carnation	1431	61/w	AA,A	.1532	1,379	1,124	1343	24,300	.0121	.0155	1253
Gladiolus	1510.5	61/w	AA,A	.1574	1,417	1,186	1418	25,600	.0144	.0147	1294
Coreopsis	1590	61/w	AA	.1614	1,454	1,249	1493	27,000	.0109	.0141	1333
Jessamine	1750	61/w	AA	.1694	1,525	1,374	1643	29,700	.00988	.0129	1408
Cowslip	2000	91/w	A	.1482	1,630	1,571	1877	34,200	.00864	.0115	1518
Sagebrush	2250	91/w	A	.1572	1,729	1,767	2131	37,500	.00776	.0105	1612
Lupine	2500	91/w	A	.1657	1,823	1,964	2370	41,900	.00698	.00969	1706
Bitterroot	2750	91/w	A	.1739	1,913	2,160	2607	46,100	.00635	.00900	1793
Trillium	3000	127/w	A	.1537	1,996	2,356	2844	50,300	.00582	.00834	1874
Bluebonnet	3500	127/w	A	.1660	2,158	2,749	3350	58,700	.0049	.00756	2024

1. Resistance is calculated using ASTM standard increments of stranding and metal conductivity of 52.5% IACS, AC resistance at 60Hz
2. Current ratings are based on 75°C ambient, 2ft/s wind, 96/watts/sq. foot sun, .05 coefficients of emissivity and absorption.



ACSR ALUMINUM CONDUCTOR STEEL REINFORCED



APPLICATION: Used as bare overhead transmission cable and as primary and secondary distribution cable. ACSR offers optimal strength for line design. Variable steel core stranding enables desired strength to be achieved without sacrificing ampacity.

PRODUCT FEATURES: Aluminum alloy 1350-H-19 wires, concentrically stranded about one steel core. Core wire for ACSR is available with class A, B, or C galvanizing; "aluminized" aluminum coated (AZ); or aluminum-clad (AW). Additional corrosion protection is available through the application of grease to the core or infusion of the complete cable with grease.

STANDARDS: ACSR bare conductor meets or exceeds the following ASTM specifications:

- B-230 Aluminum Wire, 1350-H19 for Electrical Purposes
- B-231 Aluminum Conductors, Concentric-Lay-Stranded
- B-232 Aluminum Conductors, Concentric-Lay-Stranded, Coated Steel Reinforced
- B-341 Aluminum-Coated Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR/AZ)
- B-498 Zinc-Coated Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR/AZ)
- B-500 Zinc-Coated and Aluminum-Coated Stranded Steel Core for Aluminum Conductors, Steel Reinforced (ACSR)



ACSR - Aluminum Conductor Steel Reinforced

Code Word	Size (AWG or KCM)	Stranding (AL/ STL)	Diameter				Weight per 1000 ft (Lbs)			Content %		Rated Breaking Strength (Lbs)	Resistance OHMS/1000 ft		Rating (AMPS)
			Indiv. Wire AL	Indiv. Wire STL	Steel Core	Complete Cable OD	AL	STL	Total	AL	STL		DC @ 20°C	AC @ 75°C	
Turkey	6	6/1	.0661	.0661	.0661	.198	24.5	11.6	36.1	67.90	32.10	1,190	.641	.806	105
Swan	4	6/1	.0834	.0834	.0834	.250	39.0	18.4	57.4	67.90	32.10	1,860	.403	.515	140
Swanate	4	7/1	.0772	.1029	.1029	.257	39.0	28.0	67.0	58.13	41.87	2,360	.399	.519	140
Sparrow	2	6/1	.1052	.1052	.1052	.316	62.0	29.3	91.3	67.90	32.10	2,850	.254	.332	184
Sparate	2	7/1	.0974	.1299	.1299	.325	62.0	44.7	105.7	58.13	41.87	3,640	.251	.338	184
Robin	1	6/1	.1181	.1181	.1181	.354	78.2	36.9	115.1	67.90	32.10	3,550	.201	.258	212
Raven	1/0	6/1	.1327	.1327	.1327	.398	98.7	46.6	145.3	67.90	32.10	4,380	.149	.217	242
Quail	2/0	6/1	.1489	.1489	.1489	.447	124.3	58.7	183.0	67.90	32.10	5,300	.126	.176	276
Pigeon	3/0	6/1	.1672	.1672	.1672	.502	156.7	74.0	230.7	67.90	32.10	6,620	.100	.144	315
Penguin	4/0	6/1	.1878	.1878	.1878	.563	197.7	93.4	291.1	67.90	32.10	8,350	.0795	.119	357
Waxwing	266.8	18/1	.1217	.1217	.1217	.609	250.3	39.2	289.5	86.45	13.55	6,880	.0643	.0787	449
Partridge	266.8	26/7	.1013	.0788	.2364	.642	251.7	115.6	367.2	68.53	31.47	11,300	.0637	.0779	475
Ostrich	300.0	26/7	.1074	.0835	.2505	.680	282.9	129.8	412.7	68.53	31.47	12,700	.0567	.0693	492
Merlin	336.4	18/1	.1367	.1367	.1367	.683	315.8	49.5	365.2	86.45	13.55	8,680	.0510	.0625	519
Linnet	336.4	26/7	.1137	.0884	.2642	.720	317.1	145.4	462.5	68.53	31.47	14,100	.0505	.0618	529
Oriole	336.4	30/7	.1059	.1059	.3117	.741	318.2	208.9	527.1	60.35	39.65	17,800	.0505	.0613	535
Chickadee	397.5	18/1	.1486	.1486	.1486	.743	373.1	58.5	431.6	86.45	13.55	9,940	.0432	.0529	576
Brant	397.5	24/7	.1287	.0858	.2574	.772	375.0	137.0	512.0	73.23	26.77	14,500	.0430	.0526	584
Ibis	397.5	26/7	.1236	.0961	.2882	.783	374.7	171.9	546.6	68.53	31.47	16,300	.0428	.0523	587
Lark	397.5	30/7	.1151	.1151	.3453	.806	375.8	346.8	622.6	60.35	39.65	20,300	.0425	.0519	594
Pelican	477.0	18/1	.1628	.1628	.1628	.814	447.8	70.2	518.0	86.45	13.55	11,800	.0360	.0442	646
Flicker	477.0	24/7	.1410	.0940	.2820	.846	450.1	164.4	614.5	73.23	26.77	17,200	.0358	.0439	655
Hawk	477.0	26/7	.1354	.1053	.3159	.858	449.6	205.4	656.0	68.53	31.47	19,500	.0356	.0436	659
Hen	477.0	30/7	.1261	.1261	.3783	.883	451.1	298.2	747.3	60.35	39.65	23,800	.0354	.0433	666
Osprey	556.5	18/1	.1758	.1758	.1758	.879	552.2	81.8	604.0	86.45	13.55	13,700	.0308	.0379	711
Parakeet	556.5	24/7	.1523	.1015	.3045	.914	525.1	191.7	716.8	73.23	26.77	19,800	.0307	.0376	721
Dove	556.5	26/7	.1463	.1138	.3414	.927	525.0	241.0	766.0	68.53	31.47	22,500	.0306	.0375	726
Eagle	556.5	30/7	.1362	.1362	.4086	.953	526.3	345.6	871.9	60.35	39.75	27,800	.0303	.0372	734
Peacock	605.0	24/7	.1588	.1059	.3177	.953	570.2	208.7	779.6	73.23	26.77	21,600	.0282	.0346	760
Squab	605.0	26/7	.1525	.1186	.3558	.966	570.4	261.8	832.2	68.53	31.47	24,300	.0281	.0345	765
Wood Duck	605.0	30/7	.1420	.1420	.4260	.994	572.0	375.6	947.6	50.35	39.55	28,900	.0279	.0342	774
Teal	605.0	30/19	.1420	.0852	.4260	.994	572.0	367.4	939.4	60.89	39.11	30,000	.0278	.0342	773
Kingbird	636.0	18/1	.1880	.1880	.1880	.940	596.4	93.6	690.8	86.45	13.55	15,700	.0270	.0332	773
Swift	636.0	36/1	.1329	.1329	.1329	.930	596.9	46.8	643.7	92.80	7.20	13,800	.0271	.0334	769
Rook	636.0	24/7	.1628	.1085	.3255	.977	600.0	219.1	819.1	73.23	26.77	22,600	.0268	.0330	784
Grosbeak	636.0	26/7	.1564	.1216	.3648	.990	598.7	276.2	874.1	68.53	31.47	25,200	.0267	.0328	789
Scoter	636.0	30/7	.1456	.1456	.4368	1.019	601.4	394.9	996.3	60.35	39.55	30,400	.0256	.0325	798
Egret	636.0	30/19	.1456	.0874	.4370	1.019	601.4	386.6	988.0	60.89	39.11	31,500	.0266	.0326	798

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



ACSR - Aluminum Conductor Steel Reinforced

Code Word	Size (AWG or KCM)	Stranding (AL/ STL)	Diameter				Weight per 1000 ft (Lbs)			Content %		Rated Breaking Strength (Lbs)	Resistance OHMS/1000 ft		Rating (AMPS)
			Indiv. Wire AL	Indiv. Wire STL	Steel Core	Complete Cable OD	AL	STL	Total	AL	STL		DC @ 20°C	AC @ 75°C	
Flamingo	666.6	24/7	.1667	.1111	.333	1.000	629.1	229.7	858.8	73.23	26.77	23,700	.0256	.0315	807
Gannet	666.6	26/7	.1501	.1245	.2725	1.014	628.7	288.5	917.2	68.53	31.47	26,400	.0255	.0313	812
Stilt	715.5	24/7	.1727	.1151	.3453	1.036	675.2	246.5	921.7	73.23	26.77	25,500	.0239	.0294	844
Starling	715.5	26/7	.1659	.1290	.3870	1.051	675.0	309.7	984.7	68.53	31.47	28,400	.0238	.0292	849
Redwing	715.5	30/19	.1544	.0926	.4630	1.081	676.3	434.0	1110	6089	39.11	34,600	.0236	.0290	859
Coot	715.5	36/1	.1486	.1486	.1486	1.040	746.2	58.5	804.7	92.80	7.20	16,800	.0217	.0268	884
Cuckoo	795.0	24/7	.1820	.1213	.3640	1.092	749.9	273.8	1024	72.23	26.77	27,900	.0215	.0265	901
Drake	795.0	26/7	.1749	.1360	.4080	1.108	750.3	344.2	1094	68.53	31.47	31,500	.0214	.0261	907
Tern	795.0	45/7	.1329	.0886	.2660	1.063	749.8	146.1	895.5	83.69	16.31	22,100	.0216	.0269	887
Condor	795.0	54/7	.1213	.1213	.3639	1.092	749.5	273.6	1023	73.25	26.75	28,200	.0215	.0272	889
Mallard	795.0	30/19	.1628	.0977	.4885	1.140	751.9	483.1	1235	60.89	39.11	38,400	.0213	.0261	918
Ruddy	900.0	45/7	.1414	.0943	.2829	1.131	848.7	165.5	1014	83.69	16.31	24,400	.0191	.0239	958
Canary	900.0	54/7	.1291	.1291	.3873	1.162	849.0	309.9	1149	73.25	26.75	31,900	.0190	.0241	961
Rail	954.0	45/7	.1456	.0971	.2913	1.165	899.9	175.5	1075	83.69	16.31	25,900	.0180	.0225	993
Cardinal	954.0	54/7	.1329	.1329	.3987	1.196	899.0	328.4	1228	73.25	26.75	33,800	.0179	.0228	996
Ortolan	1033.5	45/7	.1515	.1010	.3030	1.212	974.3	189.8	1164	83.69	16.31	37,700	.0167	.0209	1043
Curlew	1033.5	54/7	.1383	.1383	.4149	1.245	974.3	355.6	1330	73.25	26.75	36,600	.0165	.0211	1047
Bluejay	1113.0	45/7	.1573	.1049	.3147	1.259	1050	204.8	1255	83.69	16.31	29,800	.0155	.0194	1092
Finch	1113.0	54/19	.1436	.0862	.4310	1.293	1056	276.1	1432	73.75	26.75	39,100	.0154	.0197	1093
Bunting	1192.5	45/7	.1628	.1085	.3255	1.302	1125	219.1	1344	83.69	16.31	32,000	.0144	.0182	1139
Grackle	1192.5	54/19	.1486	.0892	.4460	1.338	1130	402.7	1533	73.75	26.25	41,900	.0144	.0184	1140
Bittern	1272.0	45/7	.1681	.1121	.3363	1.345	1200	233.9	1433	83.69	16.31	34,100	.0135	.0171	1184
Pheasant	1272.0	54/19	.1535	.0921	.4605	1.382	1206	429.3	1635	73.75	26.25	43,500	.0135	.0173	1187
Dipper	1351.5	45/7	.1733	.1155	.3465	1.386	1275	248.3	1525	83.69	16.31	36,200	.0127	.0162	1229
Martin	1351.5	54/19	.1582	.0949	.4745	1.424	1281	455.8	1737	72.75	26.25	46,300	.0127	.0163	1232
Bobolink	1431.0	45/7	.1783	.1189	.3567	1.427	1350	263.1	1613	83.69	16.31	38,300	.0120	.0153	1272
Plover	1431.0	54/19	.1628	.0977	.4885	1.465	1357	483.1	1840	73.75	26.25	49,100	.0120	.0155	1275
Nuthatch	1510.5	45/7	.1832	.1221	.3663	1.465	1425	277.4	1702	83.69	16.31	40,100	.0144	.0146	1313
Parrot	1510.5	54/19	.1672	.1003	.5015	1.505	1431	509.2	1940	73.75	26.25	51,700	.0114	.0147	1318
Lapwing	1590.0	45/7	.1880	.1253	.3759	1.504	1505	292.2	1797	83.69	16.31	42,200	.0108	.0139	1354
Falcon	1590.0	54/19	.1716	.1030	.5150	1.545	1507	537.0	2044	73.75	26.25	54,500	.0108	.0137	1359
Chukar	1780.0	84/19	.1456	.0874	.4370	1.602	1688	386.6	2975	81.3	18.7	51,000	.0097	.0125	1453
Bluebird	2156.0	84/19	.1602	.0961	.4805	1.762	2044	467.4	2511	81.3	18.7	60,300	.0081	.0106	1623
Kiwi	2167.0	72/7	.1735	.1157	.3471	1.735	2055	248.9	2303	89.2	10.8	49,800	.0080	.0106	1607
Thrasher	2312.0	76/19	.1744	.0814	.4070	1.802	2191	335.4	2527	86.73	13.27	56,700	.0075	.0100	1673
Joree	2515.0	76/19	.1819	.0849	.4245	1.880	2384	364.8	2749	85.73	13.27	61,700	.0069	.0093	1751

1. Resistance is calculated using ASTM standard increments of stranding, and metal conductivities of 61.2% IACS for EC (1350), and 8% IACS for steel. AC (60 Hz) resistance includes current dependent hysteresis loss factor for 1 and 3 constructions.

2. Current ratings are based on 75°C conductor temperature, 25°C ambient, 2ft/sec wind, 96/watts/sq. foot sun, 0.5 coefficients of emissivity and absorption.

AAAC - ALLOY BARE ALUMINUM

APPLICATION: Used as bare overhead conductor for primary and secondary distribution. Designed utilizing a high-strength aluminum alloy to achieve a high strength-to-weight ratio; affords better sag characteristics. Aluminum alloy gives AAAC higher resistance to corrosion than ACSR.

PRODUCT FEATURES: Standard 6201-T81 high strength aluminum conductors, conforming to ASTM Specification B-399, are concentric-lay-stranded, similar in construction and appearance to 1350 grade aluminum conductors. Standard 6201 alloy conductors are similar to other alloy conductors commercially known as Ardival, Aldrey or Almelec. They were developed to fill the need for an economical conductor for overhead applications requiring higher strength that that obtainable by 1350 grade aluminum conductors, but without a steel core. The DC resistance at 20°C of the 6201-T81 conductors and the standard ACSRs of the same diameter are approximately the same. Conductors of the 6201-T81 allows are harder and, therefore, have greater resistance to abrasion than conductors of 1350-H19 grade aluminum.

STANDARDS: AAAC bare conductor meets or exceeds the following ASTM specifications:

- B-398 Aluminum Alloy 6201-T81 Wire for Electrical Purposes
- B-399 Concentric-Lay-Stranded 6201-T81 Aluminum Alloy Conductors
7 Strand 19 Strand 37 Strand 61 Strand 91 Strand

Note: All dimensions and weights are subject to industry standards and tolerance unless otherwise noted



AAAC - Alloy Bare Aluminum

Code Word	Size (KCM)	Strand	ACSR Cond with Equivalent Resistance	Equivalent AL/ST Stranding (lbs)	Diameter		Cross Sectional Area (sq. in.)	Weight per 1000 ft (Lbs)	Rated Strength (Lbs)	Resistance OHMS/1000 ft		Rating (AMPS)
					Indiv. Wire	Complete Cable OD				DC @ 20°C	AC @ 75°C	
Akron	30.58	7/w	6	6/1	.0661	.198	.0240	28.7	1,110	.659	.785	107
Alton	48.69	7/w	4	6/1	.0834	.250	.0382	45.7	1,760	.414	.493	143
Ames	77.47	7/w	2	6/1	.1052	.316	.0608	72.7	2,800	.260	.310	191
Azusa	123.3	7/w	1/0	6/1	.1327	.398	.0968	115.7	4,460	.163	.195	256
Anaheim	155.4	7/w	2/0	6/1	.1490	.447	.1221	145.9	5,390	.130	.154	296
Amherst	195.7	7/w	3/0	6/1	.1672	.502	.1537	183.7	6,790	.103	.123	342
Alliance	246.9	7/w	4/0	6/1	.1878	.563	.1939	231.8	8,560	.0816	.0973	395
Butte	312.8	19/w	266.8	26/7	.1283	.642	.2456	293.6	11,000	.0644	.0769	460
Canton	394.5	19/w	336.4	26/7	.1441	.721	.3098	370.3	13,300	.0511	.0610	532
Cairo	465.4	19/w	397.5	26/7	.1565	.783	.3655	436.9	15,600	.0433	.0518	590
Darien	559.5	19/w	477.0	26/7	.1716	.858	.4394	521.7	18,800	.0360	.0420	663
Elgin	652.4	19/w	556.5	26/7	.1853	.927	.5124	612.4	21,900	.0309	.0371	729
Flint	740.8	19/w	636.0	26/7	.1415	.991	.5818	695.5	24,400	.0272	.0327	790
Greeley	927.2	19/w	795.0	26/7	.1583	1.108	.7282	870.4	30,500	.0217	.0263	908

1. Resistance is calculated using ASTM standard increments of stranding, and metal conductivity of 52.5% IACS AC resistance at 60 Hz.
2. Current ratings are based on 75°C conductor temperature, 25°C ambient, 2ft/s wind, 96/watts/sq. foot sun, 0.5 coefficients of emissivity and absorption.





Aluminum Conductor Steel Supported (ACSS)

Code Word	Conductors Size kcmil	Stranding (Al/St)	Cross Sectional Area Sq. in		Layers of Al	Diameter				Weight / 1000 ft			Metal Content % Weight	
			Aluminum	Total		Individual Wires		Steel Core in	Complete Cable in	Aluminum lbs	Steel lbs	Total lbs	Aluminum %	Steel %
						Aluminum in	Steel in							
Partridge/ACSS	266.8	26/7	0.2095	0.2436	2	0.1013	0.0788	0.2364	0.642	251.3	115.6	366.9	68.5	31.5
Junco/ ACSS	266.8	30/7	0.2095	0.2584	2	0.0943	0.0943	0.2829	0.660	251.3	165.5	416.8	60.3	39.7
Ostrich/ ACSS	300	26/7	0.2355	0.2738	2	0.1074	0.0835	0.2505	0.680	282.5	129.8	412.3	68.5	31.5
Woodcock/ACSS	336.4	22/7	0.2644	0.2903	2	0.1237	0.0687	0.2061	0.701	317.1	87.8	404.9	78.3	21.7
Linnet/ ACSS	336.4	26/7	0.2640	0.3070	2	0.1137	0.0884	0.2652	0.720	316.6	145.5	462.1	68.5	31.5
Oriole/ ACSS	336.4	30/7	0.2642	0.3259	2	0.1059	0.1059	0.3177	0.741	317.7	208.7	526.4	60.4	39.6
Ptarmigan/ACSS	397.5	20/7	0.3123	0.3339	2	0.1410	0.0627	0.1881	0.752	374.5	73.2	447.7	83.6	16.4
Brant/ ACSS	397.5	24/7	0.3122	0.3527	2	0.1287	0.0858	0.2574	0.772	374.4	137.0	511.4	73.2	26.8
Ibis/ ACSS	397.5	26/7	0.3120	0.3628	2	0.1236	0.0961	0.2883	0.783	374.1	171.9	546.0	68.5	31.5
Lark/ACSS	397.5	30/7	0.3121	0.3849	2	0.1151	0.1151	0.3453	0.806	375.3	246.6	621.9	60.3	39.7
Tailorbird/ ACSS	477	20/7	0.3745	0.4004	2	0.1544	0.0686	0.2058	0.824	449.1	87.6	536.7	83.7	16.3
Flicker/ ACSS	477	24/7	0.3747	0.4233	2	0.1410	0.0940	0.2820	0.846	449.4	164.5	613.9	73.2	26.8
Hawk/ACSS	477	26/7	0.3744	0.4354	2	0.1354	0.1053	0.3159	0.858	449.0	206.4	655.4	68.5	31.5
Hen/ACSS	477	30/7	0.3747	0.4621	2	0.1261	0.1261	0.3783	0.883	450.4	296.0	746.4	60.3	39.7
Sapsucker/ ACSS	556.5	22/7	0.4368	0.4797	2	0.1590	0.0883	0.2649	0.901	523.9	145.1	669.0	78.3	21.7
Parakeet/ ACSS	556.5	24/7	0.4372	0.4938	2	0.1523	0.1015	0.3045	0.914	524.3	191.8	716.1	73.2	26.8
Dove/ACSS	556.5	26/7	0.4371	0.5083	2	0.1463	0.1138	0.3414	0.927	524.2	241.0	765.2	68.5	31.5
Eagle/ ACSS	556.5	30/7	0.4371	0.5391	2	0.1362	0.1362	0.4086	0.953	525.5	345.3	870.8	60.3	39.7
Peacock/ACSS	605	24/7	0.4753	0.5370	2	0.1588	0.1059	0.3177	0.953	570.0	208.7	778.7	73.2	26.8
Squab/ACSS	605	26/7	0.4749	0.5522	2	0.1525	0.1186	0.3558	0.966	569.5	261.8	831.3	68.5	31.5
Wood Duck/ACSS	605	30/7	0.4751	0.5860	2	0.1420	0.1420	0.4260	0.994	571.2	375.3	946.5	60.3	39.7
Teal/ ACSS	605	30/19	0.4751	0.5834	2	0.1420	0.0852	0.4260	0.994	571.2	367.5	938.7	60.9	39.1
Goldfinch/ACSS	636	22/7	0.4994	0.5484	2	0.1700	0.0944	0.2832	0.963	598.9	165.9	764.8	78.3	21.7
Rook/ACSS	636	24/7	0.4996	0.5643	2	0.1628	0.1085	0.3255	0.977	599.1	219.1	818.2	73.2	26.8
Grosbeak/ACSS	636	26/7	0.4995	0.5808	2	0.1564	0.1216	0.3648	0.991	599.0	275.2	874.2	68.5	31.5
Scoter/ ACSS	636	30/7	0.4995	0.6160	2	0.1456	0.1456	0.4368	1.019	600.5	394.6	995.1	60.3	39.7
Egret/ACSS	636	30/19	0.4995	0.6135	2	0.1456	0.0874	0.4370	1.019	600.5	386.7	987.2	60.8	39.2
Flamingo/ACSS	666.6	24/7	0.5238	0.5917	2	0.1667	0.1111	0.3333	1.000	628.2	229.7	857.9	73.2	26.8
Gannet/ ACSS	666.6	26/7	0.5234	0.6086	2	0.1601	0.1245	0.3735	1.014	627.7	288.5	916.2	68.5	31.5
Stilt/ ACSS	715.5	24/7	0.5622	0.6350	2	0.1727	0.1151	0.3453	1.036	674.2	246.6	920.8	73.2	26.8
Starling/ ACSS	715.5	26/7	0.5620	0.6535	2	0.1659	0.1290	0.3870	1.051	674.0	309.7	983.7	68.5	31.5
Redwing/ ACSS	715.5	30/19	0.5617	0.6897	2	0.1544	0.0926	0.4630	1.081	675.3	434.1	1109.4	60.9	39.1
Puffin/ACSS	795	22/7	0.6244	0.6857	2	0.1901	0.1056	0.3168	1.077	748.8	207.6	956.4	78.3	21.7
Cuckoo/ ACSS	795	24/7	0.6244	0.7053	2	0.1820	0.1213	0.3639	1.092	748.8	273.9	1022.7	73.2	26.8
Drake/ ACSS	795	26/7	0.6247	0.7264	2	0.1749	0.1360	0.4080	1.108	749.1	344.3	1093.4	68.5	31.5
Macaw/ ACSS	795	42/7	0.6246	0.6567	3	0.1376	0.0764	0.2292	1.055	749.0	108.6	857.6	87.3	12.7
Tero/ACSS	795	45/7	0.6242	0.6674	3	0.1329	0.0886	0.2658	1.063	748.6	146.1	894.7	83.7	16.3
Condor/ACSS	795	54/7	0.6240	0.7049	3	0.1213	0.1213	0.3639	1.092	748.4	273.9	1022.3	73.2	26.8
Mallard/ ACSS	795	30/19	0.6245	0.7669	2	0.1628	0.0977	0.4885	1.140	750.7	483.2	1233.9	60.8	39.2
Ruddy/ACSS	900	45/7	0.7066	0.7555	3	0.1414	0.0943	0.2829	1.131	847.4	165.5	1012.9	83.7	16.3
Canary/ACSS	900	54/7	0.7069	0.7985	3	0.1291	0.1291	0.3873	1.162	847.7	310.2	1157.9	73.2	26.8
Corncrake/ ACSS	954	20/7	0.7492	0.8010	2	0.2184	0.0971	0.2913	1.165	898.5	175.5	1074.0	83.7	16.3
Redbird/ ACSS	954	24/7	0.7495	0.8466	2	0.1994	0.1329	0.3987	1.196	898.8	328.7	1227.5	73.2	26.8
Rail/ACSS	954	45/7	0.7492	0.801	3	0.1456	0.0971	0.2913	1.165	898.5	175.5	1074.0	83.7	16.3
Towhee/ ACSS	954	48/7	0.7495	0.8157	3	0.1410	0.1097	0.3291	1.175	898.8	224.0	1122.8	80.0	20.0
Cardinal/ACSS	954	54/7	0.7491	0.8462	3	0.1329	0.1329	0.3987	1.196	898.3	328.7	1227.0	73.2	26.8
Canvasback/ACSS	954	30/19	0.7491	0.9199	2	0.1783	0.1070	0.5350	1.248	900.5	579.6	1480.1	60.8	39.2
Snowbird/ ACSS	1033.5	42/7	0.8121	0.8539	3	0.1569	0.0872	0.2616	1.203	973.9	141.5	1115.4	87.3	12.7
Ortolan/ACSS	1033.5	45/7	0.8112	0.8673	3	0.1515	0.1010	0.3030	1.212	972.8	189.9	1162.7	83.7	16.3
Curlew/ACSS	1033.5	54/7	0.8112	0.9164	3	0.1383	0.1383	0.4149	1.245	972.8	356.0	1328.8	73.2	26.8
Moose/ ACSS	1043.3	54/7	0.8194	0.9256	3	0.1390	0.1390	0.4170	1.251	982.7	359.6	1342.3	73.2	26.8
Bluejay/ACSS	1113	45/7	0.8745	0.9350	3	0.1573	0.1049	0.3147	1.258	1048.7	204.8	1253.5	83.7	16.3
Finch/ACSS	1113	54/19	0.8746	0.9855	3	0.1436	0.0862	0.4310	1.292	1053.9	376.1	1430.0	73.7	26.3
Bunting/ ACSS	1192.5	45/7	0.9367	1.0014	3	0.1628	0.1085	0.3255	1.302	1123.4	219.1	1342.5	83.7	16.3
Grackle/ACSS	1192.5	54/19	0.9365	1.0552	3	0.1486	0.0892	0.4460	1.337	1128.6	402.8	1531.4	73.7	26.3
Bittern/ ACSS	1272	45/7	0.9987	1.0678	3	0.1681	0.1121	0.3363	1.345	1197.7	233.9	1431.6	83.7	16.3
Diver/ACSS	1272	48/7	0.9992	1.0873	3	0.1628	0.1266	0.3798	1.357	1198.3	298.3	1496.6	80.1	19.9
Pheasant/ ACSS	1272	54/19	0.9993	1.1259	3	0.1535	0.0921	0.4605	1.381	1204.3	429.4	1633.7	73.7	26.3
Dipper/ACSS	1351.5	45/7	1.0614	1.1347	3	0.1733	0.1155	0.3465	1.386	1272.9	248.3	1521.2	83.7	16.3
Martin/ ACSS	1351.5	54/19	1.0614	1.1958	3	0.1582	0.0949	0.4745	1.424	1279.1	455.9	1735.0	73.7	26.3
Bobolink/ACSS	1431	45/7	1.1236	1.2013	3	0.1783	0.1189	0.3567	1.427	1347.5	263.1	1610.6	83.7	16.3
Plover/ ACSS	1431	54/19	1.1241	1.2665	3	0.1628	0.0977	0.4885	1.465	1354.6	483.2	1837.8	73.7	26.3
Nuthatch/ACSS	1510.5	45/7	1.1862	1.2682	3	0.1832	0.1221	0.3663	1.466	1422.5	277.5	1700.0	83.7	16.3
Parrot/ACSS	1510.5	54/19	1.1856	1.3357	3	0.1672	0.1003	0.5015	1.502	1428.8	509.2	1938.0	73.7	26.3
Ratite/ACSS	1590	42/7	1.2492	1.3134	3	0.1946	0.1081	0.3243	1.495	1498.1	217.5	1715.6	87.3	12.7
Lapwing/ACSS	1590	45/7	1.2492	1.3355	3	0.1880	0.1253	0.3759	1.504	1498.1	292.2	1790.3	83.7	16.3
Falcon/ ACSS	1590	54/19	1.2489	1.4072	3	0.1716	0.1030	0.5150	1.544	1505.0	537.0	2042.0	73.7	26.3
Chukar/ ACSS	1780	84/19	1.3986	1.5126	4	0.1456	0.0874	0.4370	1.601	1685.4	386.7	2072.1	81.3	18.7
Mockingbird/ ACSS	2034.5	72/7	1.5979	1.6670	4	0.1681	0.1121	0.3363	1.601	1925.7	233.9	2159.6	89.2	10.8
Roadrunner/ ACSS	2057	76/19	1.6152	1.7032	4	0.1645	0.0768	0.3840	1.700	1946.5	298.6	2245.1	86.7	13.3
Bluebird/ACSS	2156	84/19	1.6931	1.8309	4	0.1602	0.0961	0.4805	1.762	2040.4	467.5	2507.9	81.4	18.6
Kiwi/ ACSS	2167	72/7	1.7022	1.7758	4	0.1735	0.1157	0.3471	1.735	2051.4	249.2	2300.6	89.2	10.8
Thrasher/ACSS	2312	76/19	1.8155	1.9144	4	0.1744	0.0814	0.4070	1.802	2187.9	335.4	2523.3	86.7	13.3
Joree/ACSS	2515	76/19	1.9750	2.0826	4	0.1819	0.0849	0.4245	1.880	2380.1	364.9	2745.0	86.7	13.3

- Notes:** (1) Data based on a nominal cable manufactured in accordance with ASTM B 856.
(2) Resistance and ampacity based on an aluminum conductivity of 63% IACS at 20°C and a steel conductivity of 8% IACS at 20°C.
(3) Ampacity based on reference conductor temperature, 25°C ambient temperature, 2 ft/sec wind, in sun, with an emissivity of 0.5 and a coemci solar absorption of 0.5, at sea level.
(4) Rated strengths for standard strength core based on Class A Galvan coated steel core wire in accordance with ASTM B 802.ü
(5) Rated Strength for high strength core based on Class A Galvan coated high strength steel core wire in accordance with ASTM B 803.



Aluminum Conductor Steel Supported (ACSS)

Rated Strength			Resistance				GMR ft	Reactance @ 1 ft Spacing 60 Hz		Ampacity					Code Word
Standard Strength lbs	High Strength lbs	HS285 Strength lbs	dc @20 °C Ω / mile	@25 °C Ω / mile	@50 °C Ω / mile	@75 °C Ω / mile		Inductive X'a Ω/mile	Capacitive X'b MΩ-mile	@ 75°C Amps	@ 100°C Amps	@ 150°C Amps	@ 200°C Amps	@ 250°C Amps	
3.880	9.730	11.400	0.3270	0.3343	0.3681	0.4019	0.0217	0.465	0.1074	463	564	707	813	901	Partridge/ACSS
11.700	13.000	15.200	0.3249	0.3320	0.3655	0.3991	0.0227	0.459	0.1066	468	571	715	823	913	Junco/ ACSS
10.000	10.900	12.800	0.2908	0.2974	0.3275	0.3575	0.0230	0.458	0.1057	498	608	763	877	974	Ostrich/ ACSS
7.610	8.260	9.560	0.2615	0.2677	0.2947	0.3218	0.0232	0.457	0.1048	529	646	811	933	1036	Woodcock/ACSS
11.200	12.300	14.400	0.2594	0.2654	0.2922	0.3190	0.0243	0.451	0.1040	535	654	821	946	1050	Linnet/ ACSS
14.800	16.300	19.100	0.2577	0.2635	0.2901	0.3167	0.0255	0.445	0.1031	541	662	831	958	1064	Oriole/ ACSS
7.090	7.630	8.710	0.2221	0.2277	0.2507	0.2737	0.0246	0.450	0.1027	584	715	898	1035	1150	Ptarmigan/ACSS
11.000	12.100	14.100	0.2204	0.2258	0.2486	0.2714	0.0259	0.444	0.1019	591	723	909	1048	1165	Brant/ ACSS
13.000	14.200	16.500	0.2195	0.2248	0.2474	0.2701	0.0265	0.441	0.1015	594	727	915	1055	1173	Ibis/ ACSS
17.600	19.300	22.600	0.2181	0.2232	0.2457	0.2681	0.0277	0.435	0.1007	601	736	926	1069	1188	Lark/ACSS
3.490	9.140	10.400	0.1851	0.1901	0.2093	0.2284	0.0270	0.439	0.1000	655	803	1011	1166	1297	Tailorbird/ ACSS
13.000	14.200	16.400	0.1837	0.1885	0.2074	0.2264	0.0283	0.433	0.0992	663	812	1023	1181	1314	Flicker/ ACSS
15.600	17.100	19.800	0.1829	0.1876	0.2064	0.2253	0.0290	0.430	0.0988	667	817	1030	1189	1323	Hawk/ACSS
21.000	22.700	26.700	0.1817	0.1862	0.2049	0.2236	0.0304	0.424	0.0980	674	827	1043	1204	1341	Hen/ACSS
12.600	13.600	15.800	0.1581	0.1626	0.1789	0.1952	0.0298	0.426	0.0974	725	890	1123	1298	1445	Sapsucker/ ACSS
15.200	16.600	19.200	0.1574	0.1618	0.1780	0.1943	0.0306	0.423	0.0969	730	896	1131	1307	1456	Parakeet/ ACSS
18.200	19.900	23.200	0.1568	0.1610	0.1772	0.1933	0.0313	0.420	0.0965	734	902	1138	1316	1466	Dove/ACSS
24.500	26.500	31.100	0.1558	0.1598	0.1758	0.1919	0.0328	0.415	0.0957	743	912	1152	1332	1485	Eagle/ ACSS
16.500	18.100	20.800	0.1448	0.1490	0.1639	0.1789	0.0319	0.418	0.0957	769	945	1194	1380	1539	Peacock/ACSS
19.700	21.700	25.200	0.1442	0.1483	0.1631	0.1780	0.0327	0.415	0.0953	774	951	1201	1390	1549	Squab/ACSS
26.000	28.300	33.300	0.1433	0.1471	0.1619	0.1766	0.0342	0.410	0.0944	783	962	1217	1408	1570	Wood Duck/ACSS
26.600	29.300	34.800	0.1434	0.1472	0.1620	0.1767	0.0342	0.410	0.0945	782	962	1216	1407	1570	Teal/ ACSS
14.100	15.300	17.500	0.1383	0.1426	0.1568	0.1711	0.0319	0.418	0.0954	789	969	1225	1416	1579	Goldfinch/ACSS
17.300	19.000	21.900	0.1378	0.1419	0.1561	0.1702	0.0327	0.415	0.0950	793	975	1233	1426	1590	Rook/ACSS
20.700	22.400	26.000	0.1372	0.1412	0.1553	0.1694	0.0335	0.412	0.0946	798	982	1241	1436	1602	Grosbeak/ACSS
27.400	29.700	35.000	0.1363	0.1401	0.1541	0.1681	0.0351	0.407	0.0937	807	993	1257	1455	1623	Scoter/ ACSS
28.000	30.900	36.600	0.1364	0.1402	0.1542	0.1682	0.0351	0.407	0.0937	807	993	1256	1454	1623	Egret/ACSS
18.200	19.900	22.900	0.1314	0.1355	0.1490	0.1625	0.0335	0.412	0.0943	817	1005	1271	1471	1641	Flamingo/ACSS
21.700	23.400	27.300	0.1309	0.1348	0.1482	0.1617	0.0343	0.409	0.0939	822	1011	1279	1481	1652	Gannet/ ACSS
19.500	21.300	24.600	0.1225	0.1264	0.1390	0.1516	0.0347	0.408	0.0932	854	1051	1330	1541	1719	Stilt/ ACSS
23.300	25.200	29.800	0.1219	0.1258	0.1383	0.1508	0.0355	0.405	0.0928	859	1058	1340	1552	1732	Starling/ ACSS
30.800	34.000	39.800	0.1212	0.1248	0.1372	0.1497	0.0372	0.399	0.0920	869	1070	1356	1571	1755	Redwing/ ACSS
17.700	19.200	22.000	0.1107	0.1147	0.1260	0.1374	0.0357	0.405	0.0921	906	1116	1415	1640	1831	Puffin/ACSS
21.700	23.300	26.900	0.1102	0.1141	0.1254	0.1367	0.0365	0.402	0.0917	912	1124	1424	1651	1844	Cuckoo/ ACSS
25.900	28.000	32.600	0.1097	0.1135	0.1247	0.1359	0.0375	0.399	0.0912	918	1131	1434	1663	1858	Drake/ ACSS
11.800	12.600	14.300	0.1113	0.1157	0.1271	0.1395	0.0346	0.408	0.0927	895	1101	1394	1614	1800	Macaw/ ACSS
14.200	15.200	17.400	0.1111	0.1153	0.1273	0.1390	0.0352	0.406	0.0925	898	1105	1399	1620	1808	Tero/ACSS
21.700	23.300	26.900	0.1102	0.1141	0.1284	0.1406	0.0368	0.401	0.0917	900	1107	1400	1620	1807	Condor/ACSS
34.300	37.900	44.300	0.1091	0.1125	0.1237	0.1349	0.0392	0.393	0.0904	928	1145	1452	1684	1882	Mallard/ ACSS
15.800	17.000	19.200	0.0981	0.1023	0.1129	0.1232	0.0374	0.399	0.0906	970	1196	1516	1757	1963	Ruddy/ACSS
24.600	26.400	30.500	0.0974	0.1012	0.1137	0.1245	0.0392	0.393	0.0898	972	1198	1518	1759	1964	Canary/ACSS
16.700	18.000	20.400	0.0926	0.0968	0.1062	0.1156	0.0381	0.396	0.0897	1008	1245	1581	1835	2052	Corncrake/ ACSS
26.000	28.000	32.300	0.0918	0.0956	0.1050	0.1144	0.0400	0.391	0.0890	1021	1261	1602	1860	2081	Redbird/ ACSS
16.700	18.000	20.400	0.0926	0.0968	0.1067	0.1164	0.0385	0.395	0.0897	1006	1241	1574	1826	2041	Rail/ACSS
19.700	21.300	24.300	0.0923	0.0964	0.1058	0.1152	0.0391	0.393	0.0895	1010	1246	1581	1834	2050	Towhee/ ACSS
26.000	28.000	32.300	0.0918	0.0956	0.1074	0.1176	0.0404	0.390	0.0890	1008	1243	1576	1827	2041	Cardinal/ACSS
41.100	45.400	53.100	0.0909	0.0942	0.1035	0.1128	0.0430	0.382	0.0877	1040	1285	1634	1898	2125	Canvasback/ACSS
15.400	16.500	18.500	0.0856	0.0901	0.0988	0.1074	0.0395	0.392	0.0888	1052	1299	1651	1916	2143	Snowbird/ ACSS
18.100	19.500	22.000	0.0854	0.0897	0.0988	0.1077	0.0401	0.390	0.0886	1056	1304	1657	1924	2152	Ortolan/ACSS
28.200	30.300	35.000	0.0848	0.0886	0.0994	0.1087	0.0420	0.385	0.0878	1059	1308	1660	1926	2153	Curlew/ACSS
28.500	30.600	35.400	0.0840	0.0878	0.0985	0.1077	0.0422	0.384	0.0876	1066	1315	1670	1938	2167	Moose/ ACSS
19.500	21.100	23.800	0.0793	0.0837	0.0921	0.1093	0.0416	0.386	0.0874	1105	1367	1738	2019	2260	Bluejay/ACSS
30.400	33.200	38.700	0.0791	0.0830	0.0930	0.1017	0.0436	0.380	0.0867	1106	1367	1737	2017	2257	Finch/ACSS
21.400	23.500	25.400	0.0740	0.0785	0.0863	0.0929	0.0431	0.382	0.0864	1153	1427	1817	2112	2366	Bunting/ ACSS
32.600	35.500	41.500	0.0739	0.0777	0.0870	0.0951	0.0451	0.376	0.0856	1154	1427	1816	2111	2363	Grackle/ACSS
22.300	24.000	27.200	0.0694	0.0739	0.0812	0.0884	0.0448	0.378	0.0855	1199	1485	1893	2203	2469	Bittern/ ACSS
26.200	28.000	31.900	0.0692	0.0736	0.0808	0.0880	0.0452	0.376	0.0852	1204	1492	1902	2214	2481	Diver/ACSS
34.100	37.300	43.000	0.0692	0.0732	0.0818	0.0894	0.0466	0.372	0.0847	1201	1487	1893	2202	2466	Pheasant/ ACSS
23.700	25.500	28.800	0.0653	0.0699	0.0768	0.0835	0.0459	0.374	0.0846	1243	1542	1968	2291	2569	Dipper/ACSS
36.200	39.600	45.600	0.0652	0.0692	0.0773	0.0844	0.0480	0.368	0.0838	1246	1544	1969	2291	2568	Martin/ ACSS
25.100	27.000	30.500	0.0617	0.0664	0.0728	0.0791	0.0472	0.371	0.0837	1287	1597	2041	2378	2669	Bobolink/ACSS
38.400	41.900	48.300	0.0615	0.0656	0.0732	0.0799	0.0494	0.365	0.0829	1290	1600	2042	2378	2667	Plover/ ACSS
26.500	28.100	31.800	0.0585	0.0633	0.0693	0.0752	0.0485	0.367	0.0829	1329	1651	2112	2463	2765	Nuthatch/ACSS
40.400	44.200	51.000	0.0583	0.0624	0.0696	0.0759	0.0508	0.362	0.0821	1333	1655	2114	2464	2764	Parrot/ACSS
23.400	25.000	27.900	0.0557	0.0608	0.0663	0.0718	0.0490	0.366	0.0824	1364	1696	2171	2534	2847	Ratite/ACSS
17.900	19.600	22.300	0.0555	0.0605	0.0662	0.0718	0.0497	0.364	0.0822	1370	1704	2181	2546	2860	Lapwing/ACSS
12.600	14.600	17.700	0.0554	0.0596	0.0664	0.0724	0.0521	0.359	0.0814	1375	1708	2184	2547	2860	Falcon/ ACSS
35.400	38.200	43.900	0.0498	0.0547	0.0596	0.0645	0.0534	0.355	0.0803	1469	1832	2353	2752	3097	Chukar/ ACSS
27.200	28.900	32.000	0.0438	0.0498	0.0539	0.0581	0.0553	0.351	0.0789	1568	1960	2526	2962	3340	Mockingbird/ ACSS
31.700	33.900	38.300	0.0432	0.0490	0.0531	0.0573	0.0562	0.349	0.0785	1584	1980	2553	2994	3376	Roadrunner/ ACSS
42.100	45.500	51.700	0.0411	0.0466	0.0505	0.0544	0.0588	0.344	0.0775	1640	2053	2649	3108	3507	Bluebird/ACSS
29.000	30.800	34.100	0.0411	0.0473	0.0512	0.0551	0.								

CONCENRIC-LAY-STRANDED ALUMINUM CONDUCTORS,ALUMINUM CLAD STEEL REINFORCED (ACSR/AW) ASTM B 549

Conductor Size (Aluminum Wire)			Class	Aluminum Stranding		Aluminum-Clad Steel Stranding		kip(1000 lbf)	kN	Mass per Unit Length lb/1000 ft
Code Name	AWG	mm ²		Number of Wires	Nom.diameter in.	Number of Wires	Nom. diameter in.			
Trasher/AW	...	171.49	AA	76	0.1744	19	0.0814	55.3	246	2472
Kiwi/AW	...	1098.02	AA	72	0.0174	7	0.1157	49.1	218.4	2262
Bluebird/AW	...	1092.45	AA	84	0.1602	19	0.0961	59	262.4	2437
Chukar/AW	...	901.93	AA	84	0.1456	19	0.0874	49.4	219.7	2013
Falcon/AW	...	805.65	AA	54	0.1716	19	0.1030	53	235.7	1960
Lapwing/AW	...	805.65	AA	45	0.1880	7	0.1253	41.8	185.9	1746
Parrot/AW	...	765.37	AA	54	0.1672	19	0.1003	50.3	223.7	1860
Nuthatch/AW	...	765.37	AA	45	0.1832	7	0.1221	39.7	176.8	1658
Plover/AW	...	725.09	AA	54	0.1628	19	0.0977	47.7	212.2	1764
Bobolink/AW	...	725.09	AA	45	0.1783	7	0.1189	37.6	167.2	1570
Martin/AW	...	684.81	AA	54	0.1582	19	0.0949	45.1	200.6	1665
Dipper/AW	...	684.81	AA	45	0.1733	7	0.1155	35.5	157.9	1483
Pheasant/AW	...	644.52	AA	54	0.1535	19	0.0921	42.4	188.6	1568
Bittern/AW	...	644.52	AA	45	0.1681	7	0.1121	33.4	148.6	1396
Skylark/AW	...	644.52	AA	36	0.1880	1	0.1880	25.7	114.3	1272
Grackle/AW	...	604.24	AA	54	0.1486	19	0.0892	40.2	178.8	1470
Bunting/AW	...	604.24	AA	45	0.1628	7	0.1085	31.3	139.2	1309
Finch/AW	...	563.96	AA	54	0.1436	19	0.0862	37.5	166.8	1373
Bluejay/AW	...	563.96	AA	45	0.1573	7	0.1049	29.3	130.3	1222
Curlew/AW	...	523.67	AA	54	0.1383	7	0.1383	35.6	158.3	1274
Ortolan/AW	...	523.67	AA	45	0.1515	7	0.1010	27.1	120.5	1134
Tanager/AW	...	523.67	AA	36	0.1694	1	0.1694	21.1	93.9	1033
Cardinal/AW	...	483.39	AA	54	0.1329	7	0.1329	32.9	146.3	1177
Rail/AW	...	483.39	AA	45	0.1456	7	0.0971	25.4	113	1047
Catbird/AW	...	483.39	AA	36	0.1628	1	0.1628	19.5	86.7	954
Canary/AW	...	456.03	AA	54	0.1291	7	0.1291	31	137.9	1111
Ruddy/AW	...	456.03	AA	45	0.1414	7	0.0943	24	106.8	988
Mallary/AW	...	402.83	AA	30	0.1628	19	0.0977	37.1	165	1160
Condor/AW	...	402.83	AA	54	0.1213	7	0.1213	27.8	123.7	980
Tern/AW	...	402.83	AA	45	0.1329	7	0.0886	21.5	95.6	872
Drake/AW	...	402.83	AA	26	0.1749	7	0.1360	30.5	135.7	1041
Cuckoo/AW	...	402.83	AA	24	0.1820	7	0.1213	27.5	122.3	981
Coot/AW	...	402.83	AA	36	0.1486	1	0.1486	16.6	73.8	795
Redwing/AW	...	362.54	AA	30	0.1544	19	0.0926	33.4	148.6	1043
Starling/AW	...	362.54	AA	26	0.1659	7	0.1290	27.5	122.3	936
Stilt/AW	...	362.54	AA	24	0.1727	7	0.1151	24.8	110.3	883
Gannet/AW	...	337.77	AA	26	0.1601	7	0.1245	26	115.6	872
Flamingo/AW	...	337.77	AA	24	0.1667	7	0.1111	23.1	102.7	823
Egret/AW	...	322.26	AA	30	0.1456	19	0.0874	29.9	133	928
Sooter/AW	...	322.26	AA	30	0.1456	7	0.1456	29.3	130.3	935
Grosbeak/AW	...	322.26	AA	26	0.1564	7	0.1216	24.8	110.3	832
Rook/AW	...	322.26	AA	24	0.1628	7	0.1085	22	97.9	785
Swift/AW	...	322.26	AA	36	0.1329	1	0.1329	13.6	60.5	636
Kingbird/AW	...	322.26	AA	18	0.1880	1	0.1880	15	66.7	676
Teal/AW	...	306.55	AA	30	0.1420	19	0.0852	28.5	126.8	883
Wood Duck/AW	...	306.55	AA	30	0.1420	7	0.1420	28.4	126.3	889
Squab/AW	...	306.55	AA	26	0.1525	7	0.1186	23.6	105	791
Peacock/AW	...	306.55	AA	24	0.1588	7	0.1059	21	93.4	747
Eagle/AW	...	281.98	AA	30	0.1362	7	0.1362	26.8	119.2	818
Dove/AW	...	281.98	AA	26	0.1463	7	0.1138	21.9	97.4	728
Parakeet/AW	...	281.98	AA	24	0.1523	7	0.1015	19.3	85.8	687
Ospray/AW	...	281.98	AA	18	0.1758	1	0.1758	13.2	58.7	591
Hen/AW	...	241.70	AA	30	0.1261	7	0.1261	23.4	701	1043
Hawk/AW	...	241.70	AA	26	0.1354	7	0.1053	18.9	624	929
Flicker/AW	...	241.70	AA	24	0.1410	7	0.0940	16.7	589	877
Pelican/AW	...	241.70	AA	18	0.1628	1	0.1628	11.5	407	755
Lark/AW	...	201.41	AA	30	0.1151	7	0.1151	19.6	87.2	584
Ibis/AW	...	201.41	AA	26	0.1236	7	0.0961	15.8	70.3	520
Brant/AW	...	201.41	AA	24	0.1287	7	0.0858	14.1	62.7	491
Chickadee/AW	...	201.41	AA	18	0.1486	1	0.1486	9.8	43.5	422

CONCENRIC-LAY-STRANDED ALUMINUM CONDUCTORS,ALUMINUM CLAD STEEL REINFORCED (ACSR/AW) ASTM B 549

Conductor Size (Aluminum Wire)			Class	Aluminum Stranding		Aluminum-Clad Steel Stranding		kip(1000 lbf)	kN	Mass per Unit Length lb/1000 ft
Code Name	AWG	mm ²		Number of Wires	Nom.diameter in.	Number of Wires	Nom. diameter in.			
Oriole/AW	...	170.45	AA	30	0.1059	7	0.1059	16.7	495	737
Linnet/AW	...	170.45	AA	26	0.1137	7	0.0884	13.5	440	655
Merlin/AW	...	170.45	AA	18	0.1367	1	0.1367	8.5	357	531
Ostrich/AW	...	152.01	AA	26	0.1074	7	0.0835	12.1	392	583
Partridge/AW	...	152.01	AA	26	0.1013	7	0.0788	10.8	349	519
Waxwing/AW	...	152.01	AA	18	0.1217	1	0.1217	6.8	283	421
Penguin/AW	0000	107.22	AA,A	6	0.1878	1	0.1878	7.7	34.2	277
	0000	107.07	AA(+)	12	0.1327	7	0.1327	19.8	88.1	477
	0000	102.96	AA(+)	16	0.1127	19	0.0977	27.1	120.5	601
	0000	96.68	AA(+)	12	0.1261	7	0.1261	18.3	81.4	431
	0000	89.64	AA(+)	12	0.1214	7	0.1214	16.9	75.2	399
Piegon/AW	000	85.02	AA,A	6	0.1672	1	0.1672	6.3	28	219
	000	80.57	AA(+)	12	0.1151	7	0.1151	15.3	68.1	359
	000	77.27	AA(+)	5	0.1747	2	0.1747	9.7	43	281
	000	71.60	AA(+)	4	0.1880	3	0.1880	14.2	63.2	373
	000	68.20	AA(+)	12	0.1059	7	0.1059	13	57.8	304
Quail/AW	00	67.44	AA,A	6	0.1489	1	0.1489	5.1	22.8	174
	00	61.31	AA(+)	5	0.1556	2	0.1556	8	35.7	223
	00	56.80	AA(+)	4	0.1674	3	0.1674	11.9	52.9	296
	00	56.14	AA(+)	12	0.0961	7	0.0961	10.8	48	250
Raven/AW	0	53.51	AA,A	6	0.1327	1	0.1327	4.3	18.9	138
	0	51.58	AA(+)	12	0.0921	7	0.0921	9.9	44.1	230
	0	50.58	AA(+)	3	0.1824	4	0.1824	16.4	72.9	395
	0	48.60	AA(+)	5	0.1385	2	0.1385	6.6	29.3	177
	0	45.02	AA(+)	4	0.1429	3	0.1490	9.7	43.1	234
Robin/AW	1	42.41	AA,A	6	0.1181	1	0.1181	3.5	15.3	109
	1	40.54	AA(+)	8	0.1000	1	0.1670	4.9	21.8	138
	1	40.10	AA(+)	3	0.1624	4	0.1624	13.8	61.4	313
	1	38.55	AA(+)	5	0.1234	2	0.1234	5.5	24.2	140
	1	35.71	AA(+)	4	0.1327	3	0.1327	8.1	36	186
Separate/AW	2	33.62	AA,A	7	0.0974	1	0.1299	3.5	15.6	100
Sparrow/AW	2	33.62	AA,A	6	0.1052	1	0.1052	2.8	12.3	8608
	2	32.89	AA(+)	2	0.1802	5	0.1802	19.5	86.7	430
	2	31.81	AA(+)	3	0.1446	4	0.1446	11.2	49.8	248
	2	30.57	AA(+)	5	1.1099	2	0.1099	4.4	19.4	111
	2		AA(+)	4	0.1182	3	0.1182	6.6	29.4	147
Swallow/AW	3	26.66	A	6	0.0937	1	0.0937	2.2	9.9	69
	3	26.10	AA(+)	2	0.1605	5	0.1605	16.5	73.4	341
	3	25.22	AA(+)	3	0.1288	4	0.1288	9.7	43.1	197
	3	24.25	AA(+)	5	0.0978	2	0.0978	3.5	15.6	88
	3	22.46	AA(+)	4	1.1053	3	0.1053	5.3	23.4	117
Swanate/AW	4	21.15	AA(+)	7	0.0772	1	0.1029	2.3	10.1	62.7
Swan/AW	4	21.15	AA(+)	6	0.0834	1	0.0834	1.8	7.9	54.5
	4	20.69	AA(+)	2	0.1429	5	0.1429	13.5	60	270
	4	20.00	AA(+)	3	0.1147	4	0.1147	7.7	34.3	156
	4	19.23	AA(+)	5	0.0871	2	0.0871	2.8	12.4	69.8
	4	17.81	AA(+)	4	0.0937	3	0.0937	4.2	18.6	92.6
	4	16.41	AA(+)	2	0.1273	5	0.1273	11.3	50.3	215
	4	15.86	AA(+)	3	0.1022	4	0.1022	6.1	27.3	124
	4	13.02	AA(+)	2	0.1133	5	0.1133	9.0	39.9	170



NOTICE OF COMPLETION
AND
AUTHORIZATION TO APPLY THE UL MARK



10/29/2015

Hascelik Usa Inc
Mr. ZORAN ARIC
Suite 311
1605 John St
Fort Lee NJ 07024, Us

Our Reference: File E307407, Vol. 1 Project Number 4788966038
Your Reference: Z aric 07/02
Project Scope: Revisit prior project 4786472583

Dear Mr. ZORAN ARIC:

Congratulations! UL's investigation of your product(s) has been completed under the above Reference Number and the product was determined to comply with the applicable requirements. This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Mark at authorized factories under UL's Follow-Up Service Program. To provide your manufacturer(s) with the extended authorization to use the UL Mark, you must send a copy of this notice to each manufacturing location currently authorized under File E307407, Vol. 1.

Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent in the near future. Until then, this letter authorizes application of the UL Mark for 90 days from the date indicated above.

Additional requirements related to your responsibilities as the Applicant can be found in the document "Applicant responsibilities related to Early Authorizations" that can be found at the following web-site:
<http://www.ul.com/ULFollowUpServices>

Any information and documentation provided to you involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

We are excited you are now able to apply the UL Mark to your products and appreciate your business. Feel free to contact me or any of our Customer Service representatives if you have any questions.

Very truly yours,

John J. Uhl
Senior Project Engineer
John.J.Uhl@ul.com

Reviewed by:

Bruce A. Mahrenholz
847-854-3009
CPD Director
Bruce.A.Mahrenholz@ul.com

HBKD780-2C1A3D

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Page 1 of 1

CERTIFICATE OF COMPLIANCE

Certificate Number 20121129-E344810
Report Reference E344810-20121129
Issue Date 2012-NOVEMBER-29

Issued to: HASCELIK USA INC
SUITE 311
1605 JOHN ST
FORT LEE NJ 07024

This is to certify that representative samples of METAL-CLAD CABLE
Type MC Cable in sizes 4 AWG to 2000 kcmil aluminum and employing interlocked aluminum armor

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: Standard for Metal-Clad Cables, UL 1569
Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.

The UL Listing Mark generally includes the following elements: the symbol UL in a circle, with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

Michael R. Gandy, Director, Asset Allocation Certification Programs
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at www.ul.com/customer-service



Page 1 of 1

NOTICE OF COMPLETION
AND
AUTHORIZATION TO APPLY THE UL MARK



03/26/2015

Harscoek Usa Inc
Mr. ZORAN ARIC
Suite 311
1605 John St
Fort Lee NJ 07024, Us

Our Reference: File TO BE DETERMINED, Vol. TO BE DETERMINED Project Number 4786782377
Your Reference: Z.Aric
Project Scope: Types SER and SEU - The insulation shall be Bulletin Class XL, Bareless Viscio Horizontal and the PVC jacket/finish shall be the same as tested under project 4786472572.

Dear Mr. ZORAN ARIC:

Congratulations! UL's investigation of your product(s) has been completed under the above Reference Number and the product was determined to comply with the applicable requirements. This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Mark at authorized factories under UL's Follow-Up Service Program. To provide your manufacturer(s) with the intended authorization to use the UL Mark, you must send a copy of this notice to each manufacturing location currently authorized under File TO BE DETERMINED, Vol. TO BE DETERMINED.

Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent in the near future. Until then, this letter authorizes application of the UL Mark for 90 days from the date indicated above.

Additional requirements related to your responsibilities as the Applicant can be found in the document "Applicant responsibilities related to Early Authorizations" that can be found at the following web-site:
<http://www.ul.com/CA/responsibilities>

Any information and documentation provided to you involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

We are excited you are now able to apply the UL Mark to your products and appreciate your business. Feel free to contact me or any of our Customer Service representatives if you have any questions.

Very truly yours,

Jacqueline Carraco
Senior Project Engineer
Jacqueline.Carraco@ul.com

Reviewed by:

Bruce A. Mahrenholz
847-664-3009
CPO Director
Bruce.A.Mahrenholz@ul.com

NBKDA8C-464CB

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Page 1 of 1

NOTICE OF COMPLETION
AND
AUTHORIZATION TO APPLY THE UL MARK



12/11/2014

Harscoek Usa Inc
Mr. ZORAN ARIC
Suite 311
1605 John St
Fort Lee NJ 07024, Us

Our Reference: File E308788, Vol. 1 Project Number 4786487962
Your Reference: ZORAN ARIC
Project Scope: UL Listing Investigation of Service-Entrance Cable (TYLZ) Type USE-2 employing Correal Aluminum Kablo grade CRLABK02 XL insulation. E309755 Volume 1 Section 1.

Dear Mr. ZORAN ARIC:

Congratulations! UL's investigation of your product(s) has been completed under the above Reference Number and the product was determined to comply with the applicable requirements. This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Mark at authorized factories under UL's Follow-Up Service Program. To provide your manufacturer(s) with the intended authorization to use the UL Mark, you must send a copy of this notice to each manufacturing location currently authorized under File E308788, Vol. 1.

Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent in the near future. Until then, this letter authorizes application of the UL Mark for 90 days from the date indicated above.

Additional requirements related to your responsibilities as the Applicant can be found in the document "Applicant responsibilities related to Early Authorizations" that can be found at the following web-site:
<http://www.ul.com/CA/responsibilities>

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We are excited you are now able to apply the UL Mark to your products and appreciate your business. Feel free to contact me or any of our Customer Service representatives if you have any questions.

Very truly yours,

Carl Huang
405-754-6709
Staff Engineer
Carl.C.Huang@ul.com

Reviewed by:

Bruce A. Mahrenholz
847-664-3009
CPO Director
Bruce.A.Mahrenholz@ul.com

NBK7762-40685A

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Page 1 of 1



ALUMİNYUM KABLO SAN. TİC. A.Ş.

Anbar SB Mahallesi Kayseri Serbest Bölgesi
5.Cad.No: 3 38070 Melikgazi / Kayseri

Tel. +90 352 311 51 31

Fax. +90 352 311 51 34

info@coreal.com.tr

www.coreal.com.tr

www.arkoda.com