



About Us

Classic Wire and Cable is an industry-leading supplier and manufacturer of aluminum wire and cable products servicing the commercial, residential, renewable energy, and industrial markets, sold exclusively through electrical distributors.



Count on Classic - Your go-to for aluminum building wire



Our Inventory

At Classic Wire, we carry one of the nation's largest inventories of aluminum wire and cable across our three strategically placed distribution centers in Pennsylvania, California and Texas, as well as several rep warehouses in New Jersey, North Carolina, Ohio, Louisiana, and Tennessee.

WWW.CLASSICWIRE.COM

We are committed to delivering in days, not weeks!

Our Products

Classic Wire offers a variety of UL Listed aluminum wire and cable for commercial, residential, renewable energy, and industrial projects, competitively priced to meet the demands of our customers. These include:

- Type SE Cable (SER/SEU)
- Type MC Armored Cable 600 V
- CWC LowFriction XHHW-2 600 V
- CWC LowFriction THHN/THWN-2 600 V
- URD Cables (Underground)
- Mobile Home Feeder (MHF)
- Bare Aluminum Cables
- Service Drop Cables (Overhead)



Our Services

What sets Classic Wire apart is our dedication to going beyond just offering wire and cable. That is why we provide many value-added services, such as:

- Paralleling
- Cut-to-order lengths
- Pulling eyes
- Same-day shipping on stock orders placed by 11:00AM local time
- Freight allowed shipments on orders over 2,000 product pounds
- Our award-winning Cable Basics educational videos

Our dedication to going above and beyond is what sets Classic Wire apart. We are committed to providing a high-quality experience to our customers every time.



sales@classicwire.com



www.classicwire.com



800-298-3500



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Type SE XHHW Aluminum Cable (SEU)

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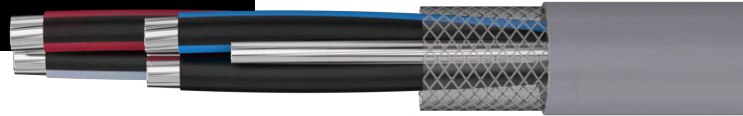
- ACSR
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UL Type SE Style R, Aluminum UL Type XHHW Conductors, 90°C Dry or Wet, Rated 600 V



APPLICATIONS

Classic Wire UL Type SE, Style R cables are used as an above ground service entrance cable, panel feeder and in branch circuits in accordance with NEC Article 338. The conductor is suitable for use in dry or wet locations at temperatures not to exceed 90°C. The cable is rated 600 V.

CONSTRUCTION

Conductor: Annealed compact stranded AA-8000 series Aluminum Conductor Material (ACM).

Insulation: Abrasion, moisture, and heat resistant color coded crosslinked polyethylene (XLPE), UL Type XHHW.

Assembly: Insulated conductors are cabled with a bare conductor. A flame retardant fiberglass reinforced binder tape assembles the core in a circular configuration.

Tape and Finish Covering: Sunlight resistant, RoHS compliant, flame retardant, gray polyvinyl chloride (PVC) material.

CONDUCTOR IDENTIFICATION

Two Conductors: Black and White

Three Conductors: Black, White and Red

Free Conductors: Black, White, Red and Blue

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry or Wet	90°C
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MINIMUM BENDING RADIUS

Overall Diameter: Less than or Equal to	1.000 in
Not Under Tension:	4x outer diameter
Under Tension (During Pull):	6x outer diameter
Overall Diameter: Greater than 1.000 in	
Not Under Tension:	5x outer diameter
Under Tension (During Pull):	7.5x outer diameter

RATINGS AND MARKINGS

Sunlight resistant and marked

RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B800 – 8000 Series Aluminum Alloy Wire for Electrical Purposes—Annealed and Intermediate Tempers
- ASTM B801 – Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation
- UL 44 – Thermoset-Insulated Wires and Cables
- UL 854 – Service-Entrance Cables
- ICEA S-95-658 / NEMA WC70 – Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- Federal Specification AA-59544
- Federal Specification JC-30B

LISTINGS AND CERTIFICATIONS

UL listed as Type SE Style R – File E487841

PACKAGING

250 ft reel
500 ft reel
1000 ft reel
Master reel
Coil

Item Number	Number of Insulated Conductors	Conductor Size		Overall Diameter (in)	Weight	
		Insulated (AWG or kcmil)	Bare (AWG or kcmil)		Aluminum (lb/1000 ft)	Net (lb/1000 ft)
A8-02SER8	2	8	8	0.550	47.4	96.2
A6-02SER6	2	6	6	0.625	75.6	133.0
A4-02SER6	2	4	6	0.720	105.0	173.0
A4-02SER4	2	4	4	0.720	120.0	188.0
A2-02SER4	2	2	4	0.838	168.0	248.0
A2-02SER2	2	2	2	0.838	191.0	272.0
A1-02SER1	2	1	1	0.948	241.0	343.0
A1/0-02SER2	2	1/0	2	1.028	267.0	379.0
A1/0-02SER1/0	2	1/0	1/0	1.028	304.0	417.0
A2/0-02SER1	2	2/0	1	1.114	335.0	459.0
A2/0-02SER2/0	2	2/0	2/0	1.114	383.0	506.0
A4/0-02SER2/0	2	4/0	2/0	1.327	533.0	684.0



UL Type SE Style R, Aluminum UL Type XHHW-2 Conductors, 90°C Dry or Wet, Rated 600 V

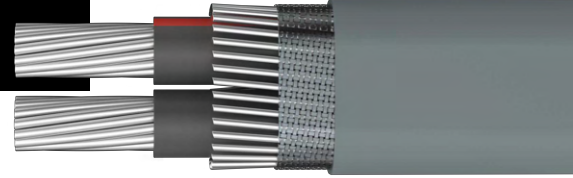
Item Number	Number of Insulated Conductors	Conductor Size		Overall Diameter (in)	Weight	
		Insulated (AWG or kcmil)	Bare (AWG or kcmil)		Aluminum (lb/1000 ft)	Net (lb/1000 ft)
A4/0-02SER4/0	2	4/0	4/0	1.327	609.0	759.0
A8-03SER8	3	8	8	0.608	63.2	127.0
A6-03SER6	3	6	6	0.690	101.0	176.0
A4-03SER6	3	4	6	0.799	145.0	235.0
A2-03SER4	3	2	4	0.931	231.0	339.0
A1-03SER3	3	1	3	1.054	292.0	429.0
A1/0-03SER2	3	1/0	2	1.144	368.0	519.0
A2/0-03SER1	3	2/0	1	1.240	463.0	629.0
A3/0-03SER1/0	3	3/0	1/0	1.354	585.0	768.0
A4/0-03SER2/0	3	4/0	2/0	1.479	736.0	939.0
A250-03SER3/0	3	250	3/0	1.636	880.0	1130.0
A300-03SER4/0	3	300	4/0	1.757	1066.0	1336.0
A2-04SER4	4	2	4	1.034	295.0	429.0
A2/0-04SER1	4	2/0	1	1.380	590.0	799.0
A4/0-04SER2/0	4	4/0	2/0	1.647	939.0	1194.0
A250-04SER3/0	4	250	3/0	1.823	1120.0	1436.0

NOTES

- 1) Dimensions and weights are subject to standard manufacturing tolerances and are subject to change without notice.
- 2) Click to learn about ampacities.



UL Type SE Style U, Aluminum UL Type XHHW Conductors, 90°C Dry or Wet, Rated 600 V



APPLICATIONS

Classic Wire UL Type SE, Style U cables are used as an above ground service entrance cable, panel feeder and in branch circuits in accordance with NEC Article 338. The conductor is suitable for use in dry or wet locations at temperatures not to exceed 90°C. The cable is rated 600 V.

CONSTRUCTION

Conductor: Annealed compact stranded AA-8000 series Aluminum Conductor Material (ACM).

Insulation: Abrasion, moisture, and heat resistant color coded crosslinked polyethylene (XLPE), UL Type XHHW.

Assembly: Solid bare wires are helically applied over a pair of parallel insulated conductors. A flame retardant fiberglass reinforced binder tape assembles the core in a flat configuration.

Tape and Finish Covering: Sunlight resistant, RoHS compliant, flame retardant, gray polyvinyl chloride (PVC) material.

CONDUCTOR IDENTIFICATION

Two Conductors: Black and Red

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry or Wet	90°C
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MINIMUM BENDING RADIUS

Overall Diameter: Less than or Equal to	1.000 in
Not Under Tension:	4x outer diameter
Under Tension (During Pull):	6x outer diameter
Overall Diameter:	Greater than 1.000 in
Not Under Tension:	5x outer diameter
Under Tension (During Pull):	7.5x outer diameter

RATINGS AND MARKINGS

Sunlight resistant and marked
RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B800 – 8000 Series Aluminum Alloy Wire for Electrical Purposes—Annealed and Intermediate Tempers
- ASTM B801 – Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation
- UL 44 – Thermoset-Insulated Wires and Cables
- UL 854 – Service-Entrance Cables
- ICEA S-95-658 / NEMA WC70 – Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- Federal Specification AA-59544
- Federal Specification JC-30B

LISTINGS AND CERTIFICATIONS

UL listed as Type SE Style R – File E487841

PACKAGING

250 ft reel
500 ft reel
1000 ft reel
Master reel
Coil

Item Number	Number of Insulated Conductors	Conductor Size		Overall Diameter		Weight	
		Insulated (AWG or kcmil)	Bare (AWG or kcmil)	Major (in)	Minor (in)	Aluminum (lb/1000 ft)	Net (lb/1000 ft)
A8-02SEU8	2	8	8	0.606	0.382	46.8	96.5
A6-02SEU6	2	6	6	0.700	0.441	74.6	139
A4-02SEU6	2	4	6	0.788	0.485	104.0	177
A4-02SEU4	2	4	4	0.786	0.483	119.0	192
A2-02SEU4	2	2	4	0.896	0.538	165.0	249
A2-02SEU2	2	2	2	0.965	0.607	189.0	302
A1-02SEU1	2	1	1	1.090	0.681	238.0	380
A1/0-02SEU2	2	1/0	2	1.141	0.695	263.0	404
A1/0-02SEU1/0	2	1/0	1/0	1.139	0.693	300.0	440
A2/0-02SEU1	2	2/0	1	1.244	0.758	330.0	494



UL Type SE Style U, Aluminum UL Type XHHW-2 Conductors, 90°C Dry or Wet, Rated 600 V

Item Number	Number of Insulated Conductors	Conductor Size		Overall Diameter		Weight	
		Insulated (AWG or kcmil)	Bare (AWG or kcmil)	Major (in)	Minor (in)	Aluminum (lb/1000 ft)	Net (lb/1000 ft)
A2/0-02SEU2/0	2	2/0	2/0	1.241	0.755	378.0	540
A4/0-02SEU2/0	2	4/0	2/0	1.439	0.854	526.0	717
A4/0-02SEU4/0	2	4/0	4/0	1.443	0.858	601.0	794

NOTES

- 1) Dimensions and weights are subject to standard manufacturing tolerances and are subject to change without notice.
- 2) Click to learn about ampacities.



CWC LowFriction UL Type XHHW-2, Aluminum Conductor, 90°C Dry or Wet, Rated 600 V / 1000 V

APPLICATIONS

CWC LowFriction UL Type XHHW-2 conductors are primarily used in conduit and cable trays for services, feeders, and branch circuits in commercial or industrial applications in accordance with the NEC. The conductor is suitable for use in dry or wet locations at temperatures not to exceed 90°C. The conductor is rated 600 V / 1000 V. Although this product may be installed without the application of pulling lubricant, a good quality pulling lubricant is recommended.

CONSTRUCTION

Conductor: Annealed compact stranded AA-8000 series Aluminum Conductor Material (ACM).

Insulation: Low coefficient of friction, abrasion, moisture, and heat resistant colored crosslinked polyethylene (XLPE).

CONDUCTOR IDENTIFICATION

Colored XLPE

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry or Wet 90°C

MINIMUM BENDING RADIUS

Overall Diameter: Less than or Equal to:	1.000 in
Not Under Tension:	4x outer diameter
Under Tension (During Pull):	6x outer diameter
Overall Diameter:	Greater than 1.000 in
Not Under Tension:	5x outer diameter
Under Tension (During Pull):	7.5x outer diameter

RATINGS AND MARKINGS

Sizes 6 AWG and larger marked FT2

Sizes 6 AWG and larger in all colors sunlight resistant and marked

Sizes 1/0 AWG and larger marked "FOR CT USE"

RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B800 – 8000 Series Aluminum Alloy Wire for Electrical Purposes—Annealed and Intermediate Tempers
- ASTM B801 – Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation
- UL 44 – Thermoset-Insulated Wires and Cables
- ICEA S-95-658 / NEMA WC70 – Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- Federal Specification AA-59544
- Federal Specification JC-30B

LISTINGS AND CERTIFICATIONS

UL listed as Type XHHW-2 – File E487972

PACKAGING

250 ft reel
500 ft reel
1000 ft reel
Master reel
Coil

Item Number	Conductor Size (AWG or kcmil)	Conductor Diameter (in)	Insulation Thickness (in)	Overall Diameter (in)	Al Weight (lb/1000 ft)	Net Weight (lb/1000 ft)
A8-01XHHW	8	0.134	0.045	0.224	15.5	27.1
A6-01XHHW	6	0.169	0.045	0.259	24.7	38.6
A4-01XHHW	4	0.213	0.045	0.303	39.3	56.1
A3-01XHHW	3	0.238	0.045	0.328	49.5	67.9
A2-01XHHW	2	0.268	0.045	0.358	62.5	82.9
A1-01XHHW	1	0.299	0.055	0.409	78.8	107
A1/0-01XHHW	1/0	0.336	0.055	0.446	99.4	131
A2/0-01XHHW	2/0	0.376	0.055	0.486	125	159
A3/0-01XHHW	3/0	0.423	0.055	0.533	158	196
A4/0-01XHHW	4/0	0.475	0.055	0.585	199	241
A250-01XHHW	250	0.520	0.065	0.650	235	290
A300-01XHHW	300	0.570	0.065	0.700	282	342
A350-01XHHW	350	0.616	0.065	0.746	329	393
A400-01XHHW	400	0.659	0.065	0.789	376	444



CWC LowFriction UL Type XHHW-2, Aluminum Conductor, 90 °C Dry or Wet, Rated 600 V / 1000 V

Item Number	Conductor Size (AWG or kcmil)	Conductor Diameter (in)	Insulation Thickness (in)	Overall Diameter (in)	Al Weight (lb / 1000 ft)	Net Weight (lb / 1000 ft)
A500-01XHHW	500	0.736	0.065	0.866	471	546
A600-01XHHW	600	0.813	0.08	0.973	565	668
A700-01XHHW	700	0.877	0.08	1.037	659	770
A750-01XHHW	750	0.908	0.08	1.068	706	820
A900-01XHHW	900	0.999	0.08	1.159	847	972
A1000-01XHHW	1000	1.060	0.08	1.220	941	1073

NOTES

- 1) Dimensions and weights are subject to standard manufacturing tolerances and are subject to change without notice.
- 2) Click to learn about ampacities.



CWC LowFriction UL Type THHN / THWN-2, Aluminum Conductor, 90°C Dry or Wet, 75°C in Oil, Rated 600 V

APPLICATIONS

CWC LowFriction UL Type THHN / THWN-2 conductors are primarily used in conduit and cable trays for services, feeders, and branch circuits in commercial or industrial applications in accordance with the NEC. When used as UL Type THHN, the conductor is suitable for use in dry locations at temperatures not to exceed 90°C. When used as UL Type THWN-2, the conductor is suitable for use in dry or wet locations at temperatures not to exceed 90°C or 75°C when exposed to oil or coolant. The conductor is rated 600 V. Although this product may be installed without the application of pulling lubricant, a good quality pulling lubricant is recommended.

CONSTRUCTION

Conductor: Annealed compact stranded AA-8000 series Aluminum Conductor Material (ACM).

Insulation: Low coefficient of friction, abrasion, moisture, and heat resistant colored polyvinyl chloride (PVC).

Covering: Low coefficient of friction, abrasion, moisture, and heat resistant translucent Nylon polyamide.

CONDUCTOR IDENTIFICATION

Colored PVC

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry or Wet	90°C
Exposed to Oil	75°C

MINIMUM BENDING RADIUS

Overall Diameter: Less than or Equal to:	1.000 in
Not Under Tension:	4x outer diameter
Under Tension (During Pull):	6x outer diameter
Overall Diameter:	Greater than 1.000 in
Not Under Tension:	5x outer diameter
Under Tension (During Pull):	7.5x outer diameter

RATINGS AND MARKINGS

Marked VW-1

Sizes 6 AWG and larger sunlight resistant and marked

Sizes 1/0 AWG and larger marked "FOR CT USE"

RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B800 – 8000 Series Aluminum Alloy Wire for Electrical Purposes—Annealed and Intermediate Tempers
- ASTM B801 – Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation
- UL 83 – Thermoplastic-Insulated Wires and Cables
- ICEA S-95-658 / NEMA WC70 – Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- Federal Specification AA-59544

LISTINGS AND CERTIFICATIONS

UL listed as Type THHN / THWN-2 – File E487847

PACKAGING

250 ft reel
500 ft reel
1000 ft reel
Master reel
Coil

Item Number	Conductor Size (AWG or kcmil)	Conductor Diameter (in)	Insulation Thickness (in)	Covering Thickness (in)	Overall Diameter (in)	Al Weight (lb/1000 ft)	Net Weight (lb/1000 ft)
A8-01THHN	8	0.134	0.030	0.005	0.204	15.5	24
A6-01THHN	6	0.169	0.030	0.005	0.239	24.7	35
A4-01THHN	4	0.213	0.040	0.006	0.305	39.3	56.5
A3-01THHN	3	0.238	0.040	0.006	0.330	49.5	68.4
A2-01THHN	2	0.268	0.040	0.006	0.360	62.5	83.4
A1-01THHN	1	0.299	0.050	0.007	0.413	78.8	108
A1/0-01THHN	1/0	0.336	0.050	0.007	0.450	99.4	131
A2/0-01THHN	2/0	0.376	0.050	0.007	0.490	125	160
A3/0-01THHN	3/0	0.423	0.050	0.007	0.537	158	197
A4/0-01THHN	4/0	0.475	0.050	0.007	0.589	199	242
A250-01THHN	250	0.520	0.060	0.008	0.656	235	292
A300-01THHN	300	0.570	0.060	0.008	0.706	282	344
A350-01THHN	350	0.616	0.060	0.008	0.752	329	396



CWC LowFriction UL Type THHN / THWN-2, Aluminum Conductor, 90°C Dry or Wet, 75°C in Oil, Rated 600 V

Item Number	Conductor Size (AWG or kcmil)	Conductor Diameter (in)	Insulation Thickness (in)	Covering Thickness (in)	Overall Diameter (in)	Al Weight (lb/1000 ft)	Net Weight (lb/1000 ft)
A400-01THHN	400	0.659	0.060	0.008	0.795	376	447
A500-01THHN	500	0.736	0.060	0.008	0.872	471	550
A600-01THHN	600	0.813	0.070	0.009	0.971	565	666
A700-01THHN	700	0.877	0.070	0.009	1.035	659	768
A750-01THHN	750	0.908	0.070	0.009	1.066	706	818
A900-01THHN	900	0.999	0.070	0.009	1.157	847	970
A1000-01THHN	1000	1.060	0.070	0.009	1.218	941	1071

NOTES

- 1) Dimensions and weights are subject to standard manufacturing tolerances and are subject to change without notice.
- 2) Click to learn about ampacities.



Mobile Home Feeder - UL Type USE-2 / RHH / RHW-2, Aluminum Conductors, 90°C Dry or Wet, Rated 600 V



APPLICATIONS

Mobile Home Feeder Cable is mainly used for supplying the energy required within the mobile home. The cable is designed for use at 600 volts or less and conductor temperatures not exceeding 90°C.

CONSTRUCTION

Conductor: Annealed compact stranded AA-8000 series Aluminum Conductor Material (ACM).

Insulation: Abrasion, moisture, heat, and sunlight resistant colored crosslinked polyethylene (XLPE).

Assembly: Cabled assembly of two phase conductors (black with one marked phase A and one marked phase B), one neutral conductor (black with three extruded white stripes), and one ground conductor (green).

CONDUCTOR IDENTIFICATION

Colored XLPE and printed phase identification

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry or Wet	90°C
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MINIMUM BENDING RADIUS

Overall Diameter: Less than or Equal to	1.000 in
Not Under Tension:	4x outer diameter
Under Tension (During Pull):	6x outer diameter
Overall Diameter:	Greater than 1.000 in
Not Under Tension:	5x outer diameter
Under Tension (During Pull):	7.5x outer diameter

RATINGS AND MARKINGS

Sunlight resistant and marked
RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B800 – 8000 Series Aluminum Alloy Wire for Electrical Purposes—Annealed and Intermediate Tempers
- ASTM B801 – Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation
- UL 44 – Thermoset-Insulated Wires and Cables
- UL 854 – Service-Entrance Cables
- ICEA S-95-658 / NEMA WC70 – Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- Federal Specification AA-59544
- Federal Specification JC-30B

LISTINGS AND CERTIFICATIONS

UL listed as Type USE-2 – File E487841

UL listed as Type RHH / RHW-2 – File E487972

Item Number	Conductor Size			Al Weight (lb/1000 ft)	Net Weight (lb/1000 ft)
	Phase (AWG)	Neutral (AWG)	Ground (AWG)		
A2-04MHF01	2	4	6	193	295
A2-04MHF00	2	2	4	231	342
A2-04MHF00	2/0	1	4	375	552
A2/0-04MHF00	2/0	2/0	1	463	669
A4/0-04MHF01	4/0	2/0	4	574	782
A4/0-04MHF00	4/0	4/0	2/0	736	987

NOTES

1) Click to learn about ampacities.



UL Type USE-2 / RHH / RHW-2, 8000 Series Aluminum Conductor, 90°C Dry or Wet, Rated 600 V



APPLICATIONS

UL Type USE-2 / RHH / RHW-2 conductors are used in conduit and direct burial (as UL Type USE-2) for services, feeders, and branch circuits in residential, commercial or industrial applications in accordance with the NEC. When used as UL Type USE-2 or RHW-2, the conductor is suitable for use in dry or wet locations at temperatures not to exceed 90°C. When used as UL Type RHH, the conductor is suitable for use in dry locations at temperatures not to exceed 90°C. The conductor is rated 600 V.

CONSTRUCTION

Conductor: Annealed compact stranded AA-8000 series Aluminum Conductor Material (ACM).

Insulation: Abrasion, moisture, heat, and sunlight resistant colored crosslinked polyethylene (XLPE).

CONDUCTOR IDENTIFICATION

Colored XLPE

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry or Wet 90°C

MINIMUM BENDING RADIUS

Overall Diameter: Less than or Equal to	1.000 in
Not Under Tension:	4x outer diameter
Under Tension (During Pull):	6x outer diameter
Overall Diameter:	Greater than 1.000 in
Not Under Tension:	5x outer diameter
Under Tension (During Pull):	7.5x outer diameter

RATINGS AND MARKINGS

Sunlight resistant and marked
RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B800 -- 8000 Series Aluminum Alloy Wire for Electrical Purposes—Annealed and Intermediate Tempers
- ASTM B801 -- Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation
- UL 44 -- Thermoset-Insulated Wires and Cables (RHH / RHW-2)
- UL 854 -- Service-Entrance Cables (USE-2)
- ICEA S-95-658 / NEMA WC70 -- Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- Federal Specification AA-59544
- Federal Specification JC-30B

LISTINGS AND CERTIFICATIONS

UL listed as Type USE-2 -- File E487841

UL listed as Type RHH / RHW-2 -- File E48797

Item Number	Conductor Size (AWG or kcmil)	Conductor Diameter (in)	Insulation Thickness (in)	Diameter (in)	Al Weight (lb/1000 ft)	Net Weight (lb/1000 ft)
A8-01URD-UL8	8	0.134	0.060	0.254	15.5	32.3
A6-01URD-UL8	6	0.169	0.060	0.289	24.7	44.6
A4-01URD-UL8	4	0.213	0.060	0.333	39.3	63.0
A3-01URD-UL8	3	0.238	0.060	0.358	49.5	75.3
A2-01URD-UL8	2	0.268	0.060	0.388	62.5	90.9
A1-01URD-UL8	1	0.299	0.080	0.459	78.8	123
A1/0-01URD-UL8	1/0	0.336	0.080	0.496	99.4	148
A2/0-01URD-UL8	2/0	0.376	0.080	0.536	125	178
A3/0-01URD-UL8	3/0	0.423	0.080	0.583	158	216
A4/0-01URD-UL8	4/0	0.475	0.080	0.635	199	263
A250-01URD-UL8	250	0.520	0.095	0.710	235	319
A300-01URD-UL8	300	0.570	0.095	0.760	282	373
A350-01URD-UL8	350	0.616	0.095	0.806	329	427
A400-01URD-UL8	400	0.659	0.095	0.849	376	480
A500-01URD-UL8	500	0.736	0.095	0.926	471	585
A600-01URD-UL8	600	0.813	0.110	1.033	565	712



UL Type USE-2 / RHH / RHW-2, Aluminum Conductor, 90 °C Dry or Wet, Rated 600 V

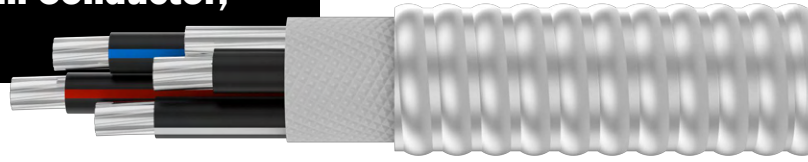
Item Number	Conductor Size (AWG or kcmil)	Conductor Diameter (in)	Insulation Thickness (in)	Diameter (in)	Al Weight (lb / 1000 ft)	Net Weight (lb / 1000 ft)
A700-01URD-UL8	700	0.877	0.110	1.097	659	816
A750-01URD-UL8	750	0.908	0.110	1.128	706	868
A900-01URD-UL8	900	0.999	0.110	1.219	847	1023
A1000-01URD-UL8	1000	1.060	0.110	1.280	941	1127

NOTES

- 1) Dimensions and weights are subject to standard manufacturing tolerances and are subject to change without notice.
- 2) Click to learn about ampacities.



Three or Four Conductor UL Type MC, Aluminum Conductor, XHHW-2, AIA, 90°C Dry, Rated 600 V



APPLICATIONS

UL Type MC cables with XHHW-2 conductors are primarily used for services, feeders and branch circuits in commercial and residential applications in accordance with the NEC. Suitable applications include for indoor power and lighting circuits, exposed or concealed, cable tray, raceway (conduit) and embedded in plaster or in contact with masonry. The cable is suitable for dry locations only at temperatures not to exceed 90°C. The cable is rated 600 V.

CONSTRUCTION

Conductor: Annealed compact stranded AA-8000 series Aluminum Conductor Material (ACM).

Insulation: Abrasion, moisture, and heat resistant black crosslinked polyethylene (XLPE) with colored stripe.

Assembly: Cabled assembly with an equipment grounding conductor and a binder tape overall.

Armor: Aluminum Interlocked Armor (AIA).

CONDUCTOR IDENTIFICATION

Three Conductors: Black, Black with Red Stripe, Black with White Stripe

Four Conductors: Black, Black with Red Stripe, Black with Blue Stripe, Black with White Stripe

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry

90°C

MINIMUM BENDING RADIUS

Not Under Tension:

7x outer diameter

Under Tension (During Pull):

10.5x outer diameter

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B800 – 8000 Series Aluminum Alloy Wire for Electrical Purposes— Annealed and Intermediate Tempers
- ASTM B801 – Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation
- UL 44 – Thermoset-Insulated Wires and Cables
- UL 1479 – Fire Tests of Through-Penetration Firestops
- UL 1569 – Metal-Clad Cables.
- ICEA S-95-658 / NEMA WC70 – Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- Federal Specification J-C-30B

LISTINGS AND CERTIFICATIONS

UL listed as Type MC – File E487848

UL Classified 1, 2, and 3 Hour Through-Penetration Firestop Systems

Item Number	Cable Description	Conductor Size (AWG or kcmil)	Conductors	Ground Size (AWG or kcmil)	Cabled Core Diameter (in)	Overall Diameter (in)	Al Weight (lb / 1000 ft)	Net Weight (lb / 1000 ft)
A6-03MCX6	6-6-6+6	6	3	6	0.558	0.858	249	292
A4-03MCX6	4-4-4+6	4	3	6	0.653	0.953	311	363
A2-03MCX6	2-2-2+6	2	3	6	0.771	1.071	404	467
A1-03MCX4	1-1-1+4	1	3	4	0.881	1.181	489	575
A1/0-03MCX4	1/0-1/0-1/0+4	1/0	3	4	0.961	1.261	567	662
A2/0-03MCX4	2/0-2/0-2/0+4	2/0	3	4	1.047	1.347	661	766
A3/0-03MCX4	3/0-3/0-3/0+4	3/0	3	4	1.148	1.448	780	897
A4/0-03MCX2	4/0-4/0-4/0+2	4/0	3	2	1.260	1.560	950	1079
A250-03MCX2	250-250-250+2	250	3	2	1.401	1.701	1086	1255
A300-03MCX2	300-300-300+2	300	3	2	1.508	1.808	1250	1432
A350-03MCX2	350-350-350+2	350	3	2	1.607	1.907	1412	1608
A400-03MCX1	400-400-400+1	400	3	1	1.700	2.000	1589	1797
A500-03MCX1	500-500-500+1	500	3	1	1.866	2.166	1911	2141
A600-03MCX1	600-600-600+1	600	3	1	2.097	2.397	2241	2556
A600-03MCX400	600-600-600+400	600	3	400	2.097	2.397	2544	2860
A750-03MCX1/0	750-750-750+1/0	750	3	1/0	2.301	2.601	2731	3080
A6-04MCX6	6-6-6-6+6	6	4	6	0.625	0.925	126	25
A4-04MCX6	4-4-4-4+6	4	4	6	0.732	1.032	366	435
A2-04MCX6	2-2-2-2+6	2	4	6	0.864	1.164	485	568



Three or Four Conductor UL Type MC, Aluminum Conductor, XHHW-2, AIA, 90° C Dry, Rated 600 V

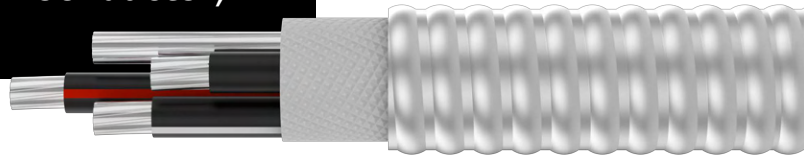
Item Number	Cable Description	Conductor Size (AWG or kcmil)	Conductors	Ground Size (AWG or kcmil)	Cabled Core Diameter (in)	Overall Diameter (in)	Al Weight (lb/1000 ft)	Net Weight (lb/1000 ft)
A1-04MCX4	1-1-1-1+4	1	4	4	0.987	1.287	589	704
A1/0-04MCX4	1/0-1/0-1/0-1/0+4	1/0	4	4	1.077	1.377	690	816
A2/0-04MCX4	2/0-2/0-2/0-2/0+4	2/0	4	4	1.173	1.473	812	952
A3/0-04MCX4	3/0-3/0-3/0-3/0+4	3/0	4	4	1.287	1.587	967	1122
A4/0-04MCX2	4/0-4/0-4/0-4/0+2	4/0	4	2	1.412	1.712	1181	1353
A250-04MCX1	250-250-250-250+1	250	4	1	1.569	1.869	1373	1598
A300-04MCX1	300-300-300-300+1	300	4	1	1.690	1.990	1587	1831
A350-04MCX1/0	350-350-350-350+1/0	350	4	1/0	1.801	2.101	1821	2082
A400-04MCX1/0	400-400-400-400+1/0	400	4	1/0	1.905	2.205	2032	2309
A500-04MCX2/0	500-500-500-500+2/0	500	4	2/0	2.091	2.391	2479	2786
A500-04MCX250	500-500-500-500+250	500	4	250	2.091	2.391	2592	2898
A600-04MCX2/0	600-600-600-600+2/0	600	4	2/0	2.349	2.649	2910	3331
A600-04MCX400	600-600-600-600+400	600	4	400	2.349	2.649	3166	3587
A750-04MCX3/0	750-750-750-750+3/0	750	4	3/0	2.578	2.878	3561	4027

NOTES

- 1) Dimensions and weights are subject to standard manufacturing tolerances and are subject to change without notice.
- 2) Click to learn about ampacities.



Three or Four Conductor UL Type MC, Aluminum Conductor, THHN / THWN-2, AIA, 90°C Dry, Rated 600 V



APPLICATIONS

UL Type MC cables with THHN / THWN-2 conductors are primarily used for services, feeders and branch circuits in commercial and residential applications in accordance with the NEC. Suitable applications include for indoor power and lighting circuits, exposed or concealed, cable tray, raceway (conduit) and embedded in plaster or in contact with masonry. The cable is suitable for dry locations only at temperatures not to exceed 90°C. The cable is rated 600 V.

CONSTRUCTION

Conductor: Annealed compact stranded AA-8000 series Aluminum Conductor Material (ACM).

Insulation: Low coefficient of friction, abrasion, moisture, and heat resistant colored polyvinyl chloride (PVC).

Covering: Low coefficient of friction, abrasion, moisture, and heat resistant translucent Nylon polyamide.

Assembly: Cabled assembly with an equipment grounding conductor and a binder tape overall.

Armor: Aluminum Interlocked Armor (AIA).

CONDUCTOR IDENTIFICATION

Three Conductors: Black, Black with Red Stripe, Black with White Stripe

Four Conductors: Black, Black with Red Stripe, Black with Blue Stripe, Black with White Stripe

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry

90°C

MINIMUM BENDING RADIUS

Not Under Tension:

7x outer diameter

Under Tension (During Pull):

10.5x outer diameter

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B800 – 8000 Series Aluminum Alloy Wire for Electrical Purposes—Annealed and Intermediate Tempers
- ASTM B801 – Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation
- UL 83 – Thermoplastic-Insulated Wires and Cables
- UL 1479 – Fire Tests of Through-Penetration Firestops
- UL 1569 – Metal-Clad Cables.
- ICEA S-95-658 / NEMA WC70 – Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- Federal Specification J-C-30B

LISTINGS AND CERTIFICATIONS

UL listed as Type MC – File E487848

UL Classified 1, 2, and 3 Hour Through-Penetration Firestop Systems

Item Number	Cable Description	Conductor Size (AWG or kcmil)	Conductors	Ground Size (AWG or kcmil)	Cabled Core Diameter (in)	Overall Diameter (in)	Al Weight (lb/1000 ft)	Net Weight (lb/1000 ft)
A4-03MC6	4-4-4+6	4	3	6	0.66	0.957	312	364
A3-03MC6	3-3-3+6	3	3	6	0.71	1.011	353	411
A2-03MC6	2-2-2+6	2	3	6	0.78	1.076	404	468
A2-03MC4	2-2-2+4	2	3	4	0.78	1.076	419	483
A1-03MC4	1-1-1+4	1	3	4	0.89	1.190	490	580
A1/0-03MC4	1/0-1/0-1/0+4	1/0	3	4	0.97	1.270	567	667
A2/0-03MC4	2/0-2/0-2/0+4	2/0	3	4	1.06	1.356	663	772
A3/0-03MC4	3/0-3/0-3/0+4	3/0	3	4	1.16	1.457	779	900
A4/0-03MC2	4/0-4/0-4/0+2	4/0	3	2	1.27	1.569	952	1086
A250-03MC2	250-250-250+2	250	3	2	1.41	1.713	1088	1265
A250-03MC3/0	250-250-250+3/0	250	3	3/0	1.41	1.713	1186	1363
A300-03MC1	300-300-300+1	300	3	1	1.52	1.821	1269	1460
A350-03MC1	350-350-350+1	350	3	1	1.62	1.920	1431	1636
A400-03MC1	400-400-400+1	400	3	1	1.71	2.013	1591	1810
A500-03MC1	500-500-500+1	500	3	1	1.88	2.179	1907	2148
A500-03MC2/0	500-500-500+2/0	500	3	2/0	1.88	2.179	1954	2196
A500-03MC3/0	500-500-500+3/0	500	3	3/0	1.88	2.179	1988	2229
A600-03MC1	600-600-600+1	600	3	1	2.09	2.392	2236	2548



Three or Four Conductor UL Type MC, Aluminum Conductor, THHN / THWN-2, AIA, 90°C Dry, Rated 600 V

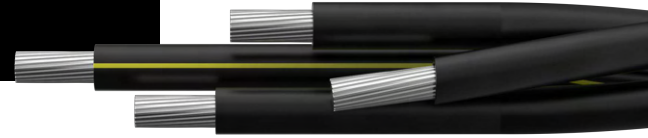
Item Number	Cable Description	Conductor Size (AWG or kcmil)	Conductors	Ground Size (AWG or kcmil)	Cabled Core Diameter (in)	Overall Diameter (in)	Al Weight (lb/1000 ft)	Net Weight (lb/1000 ft)
A600-03MC1/0	600-600-600+1/0	600	3	1/0	2.090	2.392	2257	2569
A750-03MC1/0	750-750-750+1/0	750	3	1/0	2.300	2.597	2723	3068
A750-03MC3/0	750-750-750+3/0	750	3	3/0	2.300	2.597	2783	3128
A6-04MC6	6-6-6-6+6	6	4	6	0.580	0.877	277	319
A4-04MC6	4-4-4-4+6	4	4	6	0.740	1.036	366	436
A3-04MC6	3-3-3-3+6	3	4	6	0.800	1.097	419	496
A2-04MC4	2-2-2-2+4	2	4	4	0.870	1.169	500	585
A1-04MC4	1-1-1-1+4	1	4	4	1.000	1.297	590	709
A1/0-04MC4	1/0-1/0-1/0-1/0+4	1/0	4	4	1.090	1.386	690	822
A2/0-04MC4	2/0-2/0-2/0-2/0+4	2/0	4	4	1.180	1.483	813	959
A3/0-04MC4	3/0-3/0-3/0-3/0+4	3/0	4	4	1.300	1.596	965	1126
A4/0-04MC2	4/0-4/0-4/0-4/0+2	4/0	4	2	1.420	1.722	1183	1361
A250-04MC1	250-250-250-250+1	250	4	1	1.584	1.884	1376	1612
A300-04MC1	300-300-300-300+1	300	4	1	1.704	2.004	1590	1846
A350-04MC1/0	350-350-350-350+1/0	350	4	1/0	1.815	2.115	1823	2097
A400-04MC1/0	400-400-400-400+1/0	400	4	1/0	1.919	2.219	2034	2325
A500-04MC3/0	500-500-500-500+3/0	500	4	3/0	2.105	2.405	2507	2830
A600-04MC3/0	600-600-600-600+3/0	600	4	3/0	2.344	2.644	2939	3354
A750-04MC3/0	750-750-750-750+3/0	750	4	3/0	2.574	2.874	3552	4012
A750-04MC750	750-750-750-750+750	750	4	750	2.574	2.874	4111	4571

NOTES

- 1) Dimensions and weights are subject to standard manufacturing tolerances and are subject to change without notice.
- 2) Click to learn about ampacities.



URD Quadruplex UL Type USE-2, 1350 Aluminum Conductors, 90°C Dry or Wet, Rated 600 V



APPLICATIONS

UL Type USE-2 conductors are used in conduit and direct burial for services, feeders, and branch circuits in residential, commercial or industrial applications in accordance with the NEC. The conductor is suitable for use in dry or wet locations at temperatures not to exceed 90°C. The conductor is rated 600 V.

CONSTRUCTION

Conductor: Compact stranded 1350-H19 aluminum conductor.

Insulation: Abrasion, moisture, heat, and sunlight resistant crosslinked polyethylene (XLPE).

Assembly: Cabled assembly of 3 phase conductors and 1 neutral conductor.

CONDUCTOR IDENTIFICATION

Phase Conductors: Black, marked "PHASE A", "PHASE B", or "PHASE C"

Neutral Conductor: Black with 3 yellow stripes

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry or Wet	90°C
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MINIMUM BENDING RADIUS

Overall Diameter: Less than or Equal to	1.000 in
Not Under Tension:	4x outer diameter
Under Tension (During Pull):	6x outer diameter
Overall Diameter:	Greater than 1.000 in
Not Under Tension:	5x outer diameter
Under Tension (During Pull):	7.5x outer diameter

RATINGS AND MARKINGS

Sunlight resistant and marked

RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B230 – Aluminum 1350-H19 Wire for Electrical Purposes
- ASTM B231 – Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B400 – Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors
- UL 854 – Service-Entrance Cables (USE-2)
- ICEA S-105-692 – 600 Volt Single Layer Thermoset Insulated Utility Underground Distribution Cables

LISTINGS AND CERTIFICATIONS

UL listed as Type USE-2 – File E483097

Code Word	Phase			Neutral			Overall Diameter (in)	Weight	
	Conductor Size (AWG or kcmil)	Insulation Thickness (in)	Diameter (in)	Conductor Size (AWG or kcmil)	Insulation Thickness (in)	Diameter (in)		Al (lb/1000 ft)	Net (lb/1000 ft)
Dyke	2	0.060	0.388	4	0.060	0.333	0.937	231	342
Wittenberg	2	0.060	0.388	2	0.060	0.388	0.937	254	370
Notre Dame	1/0	0.080	0.496	2	0.060	0.388	1.197	367	543
Purdue	1/0	0.080	0.496	1/0	0.080	0.496	1.197	404	601
Syracuse	2/0	0.080	0.536	1	0.080	0.459	1.294	463	669
Lafayette	2/0	0.080	0.536	2/0	0.080	0.536	1.294	510	725
Swarthmore	3/0	0.080	0.583	1/0	0.080	0.496	1.407	582	809
Davidson	3/0	0.080	0.583	3/0	0.080	0.583	1.407	641	878
Wake Forest	4/0	0.080	0.635	2/0	0.080	0.536	1.533	736	987
Earlham	4/0	0.080	0.635	4/0	0.080	0.635	1.533	812	1074
Slippery Rock	350	0.095	0.806	4/0	0.080	0.635	1.946	1210	1574
Wofford	500	0.095	0.926	350	0.095	0.806	2.236	1771	2219
Windham	750	0.110	1.128	500	0.095	0.926	2.723	2633	3244

NOTES

1) Click to learn about ampacities.



URD Triplex UL Type USE-2, 1350 Aluminum Conductors, 90°C Dry or Wet, Rated 600 V



APPLICATIONS

UL Type USE-2 conductors are used in conduit and direct burial for services, feeders, and branch circuits in residential, commercial or industrial applications in accordance with the NEC. The conductor is suitable for use in dry or wet locations at temperatures not to exceed 90°C. The conductor is rated 600 V.

CONSTRUCTION

Conductor: Compact stranded 1350-H19 aluminum conductor.

Insulation: Abrasion, moisture, heat, and sunlight resistant crosslinked polyethylene (XLPE).

Assembly: Cabled assembly of 2 phase conductor and 1 neutral conductor.

CONDUCTOR IDENTIFICATION

Phase Conductors: Black, marked "PHASE A" or "PHASE B"

Neutral Conductor: Black with 3 yellow stripes

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry or Wet	90°C
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MINIMUM BENDING RADIUS

Overall Diameter: Less than or Equal to	1.000 in
Not Under Tension:	4x outer diameter
Under Tension (During Pull):	6x outer diameter
Overall Diameter: Greater than 1.000 in	
Not Under Tension:	5x outer diameter
Under Tension (During Pull):	7.5x outer diameter

RATINGS AND MARKINGS

Sunlight resistant and marked

RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B230 – Aluminum 1350-H19 Wire for Electrical Purposes
- ASTM B231 – Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B400 – Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors
- UL 854 – Service-Entrance Cables (USE-2)
- ICEA S-105-692 – 600 Volt Single Layer Thermoset Insulated Utility Underground Distribution Cables

LISTINGS AND CERTIFICATIONS

UL listed as Type USE-2 – File E483097

Code Word	Phase			Neutral			Overall Diameter (in)	Weight	
	Conductor Size (AWG or kcmil)	Insulation Thickness (in)	Diameter (in)	Conductor Size (AWG or kcmil)	Insulation Thickness (in)	Diameter (in)		Al (lb/1000 ft)	Net (lb/1000 ft)
Erskine	6	0.060	0.289	6	0.060	0.289	0.623	75.3	136
Vassar	4	0.060	0.333	4	0.060	0.333	0.718	120	192
Stephens	2	0.060	0.388	4	0.060	0.333	0.836	167	249
Ramapo	2	0.060	0.388	2	0.060	0.388	0.836	191	278
Brenau	1/0	0.080	0.496	2	0.060	0.388	1.069	266	393
Bergen	1/0	0.080	0.496	1/0	0.080	0.496	1.069	303	450
Converse	2/0	0.080	0.536	1	0.080	0.459	1.155	335	487
Hunter	2/0	0.080	0.536	2/0	0.080	0.536	1.155	383	544
Hollins	3/0	0.080	0.583	1/0	0.080	0.496	1.256	421	589
Rockland	3/0	0.080	0.583	3/0	0.080	0.583	1.256	480	659
Sweetbriar	4/0	0.080	0.635	2/0	0.080	0.536	1.368	533	718
Monmouth	4/0	0.080	0.635	4/0	0.080	0.635	1.368	609	805
Pratt	250	0.095	0.710	3/0	0.080	0.583	1.530	640	871
Wesleyan	350	0.095	0.806	4/0	0.080	0.635	1.737	874	1139
Holyoke	500	0.095	0.926	300	0.095	0.760	1.995	1243	1569
Rider	500	0.095	0.926	350	0.095	0.806	1.995	1292	1625
Fairfield	750	0.110	1.128	500	0.095	0.926	2.431	1915	2361

NOTES

1) Click to learn about ampacities.



URD Triplex UL Type USE-2 / RHH / RHW-2, 8000 Series Aluminum Conductors, 90°C Dry or Wet, Rated 600 V



APPLICATIONS

UL Type USE-2 / RHH / RHW-2 conductors are used in conduit and direct burial (as UL Type USE-2) for services, feeders, and branch circuits in residential, commercial or industrial applications in accordance with the NEC. When used as UL Type USE-2 or RHW-2, the conductor is suitable for use in dry or wet locations at temperatures not to exceed 90°C. When used as UL Type RHH, the conductor is suitable for use in dry locations at temperatures not to exceed 90°C. The conductor is rated 600 V.

CONSTRUCTION

Conductor: Annealed compact stranded AA-8000 series Aluminum Conductor Material (ACM).

Insulation: Abrasion, moisture, heat, and sunlight resistant colored crosslinked polyethylene (XLPE).

Assembly: Cabled assembly of 2 phase conductors and 1 neutral conductor.

CONDUCTOR IDENTIFICATION

Phase Conductors: Black with phase identification ("Phase A", "Phase B")

Neutral Conductor: Black with three yellow stripes

VOLTAGE RATING: 600 V

RATINGS AND MARKINGS

Sunlight resistant and marked

RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B800 – 8000 Series Aluminum Alloy Wire for Electrical Purposes—Annealed and Intermediate Tempers
- ASTM B801 – Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation
- UL 44 – Thermoset-Insulated Wires and Cables (RHH / RHW-2)
- UL 854 – Service-Entrance Cables (USE-2)
- ICEA S-95-658 / NEMA WC70 – Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- Federal Specification AA-59544
- Federal Specification JC-30B

LISTINGS AND CERTIFICATIONS

UL listed as Type USE-2 – File E487841

UL listed as Type RHH / RHW-2 – File E487972

TEMPERATURE RATING

Dry or Wet

90°C

MINIMUM BENDING RADIUS

Overall Diameter: Less than or Equal to

1.000 in

Not Under Tension:

4x outer diameter

Under Tension (During Pull):

6x outer diameter

Overall Diameter:

Greater than 1.000 in

Not Under Tension:

5x outer diameter

Under Tension (During Pull):

7.5x outer diameter

Code Word	Phase			Neutral			Overall Diameter (in)	Weight	
	Conductor Size (AWG or kcmil)	Insulation Thickness (in)	Diameter (in)	Conductor Size (AWG or kcmil)	Insulation Thickness (in)	Diameter (in)		Al (lb/1000 ft)	Net (lb/1000 ft)
Erskine	6	0.060	0.289	6	0.060	0.289	0.623	75.3	136
Vassar	4	0.060	0.333	4	0.060	0.333	0.718	120	192
Stephens	2	0.060	0.388	4	0.060	0.333	0.836	167	249
Ramapo	2	0.060	0.388	2	0.060	0.388	0.836	191	278
Brenau	1/0	0.080	0.496	2	0.060	0.388	1.069	266	393
Bergen	1/0	0.080	0.496	1/0	0.080	0.496	1.069	303	450
Converse	2/0	0.080	0.536	1	0.080	0.459	1.155	335	487
Hunter	2/0	0.080	0.536	2/0	0.080	0.536	1.155	383	544
Hollins	3/0	0.080	0.583	1/0	0.080	0.496	1.256	421	589
Rockland	3/0	0.080	0.583	3/0	0.080	0.583	1.256	480	659
Sweetbriar	4/0	0.080	0.635	2/0	0.080	0.536	1.368	533	718
Monmouth	4/0	0.080	0.635	4/0	0.080	0.635	1.368	609	805



URD Triplex UL Type USE-2 / RHH / RHW-2, 8000 Series Aluminum Conductors, 90 °C Dry or Wet, Rated 600 V

Code Word	Phase			Neutral			Overall Diameter (in)	Weight	
	Conductor Size (AWG or kcmil)	Insulation Thickness (in)	Diameter (in)	Conductor Size (AWG or kcmil)	Insulation Thickness (in)	Diameter (in)		Al (lb/1000 ft)	Net (lb/1000 ft)
Pratt	250	0.095	0.710	3/0	0.080	0.583	1.530	640	871
Wesleyan	350	0.095	0.806	4/0	0.080	0.635	1.737	874	1139
Holyoke	500	0.095	0.926	300	0.095	0.760	1.995	1243	1569
Rider	500	0.095	0.926	350	0.095	0.806	1.995	1292	1625
Fairfield	750	0.110	1.128	500	0.095	0.926	2.431	1915	2361

NOTES

1) Click to learn about ampacities.



URD Duplex UL Type USE-2, 1350 Aluminum Conductors, 90°C Dry or Wet, Rated 600 V



APPLICATIONS

UL Type USE-2 conductors are used in conduit and direct burial for services, feeders, and branch circuits in residential, commercial or industrial applications in accordance with the NEC. The conductor is suitable for use in dry or wet locations at temperatures not to exceed 90°C. The conductor is rated 600 V.

CONSTRUCTION

Conductor: Compact stranded 1350-H19 aluminum conductor.

Insulation: Abrasion, moisture, heat, and sunlight resistant crosslinked polyethylene (XLPE).

Assembly: Cabled assembly of 1 phase conductor and 1 neutral conductor.

CONDUCTOR IDENTIFICATION

Phase Conductors: Black

Neutral Conductor: Black with 3 yellow stripes

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry or Wet	90°C
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MINIMUM BENDING RADIUS

Overall Diameter: Less than or Equal to	1.000 in
Not Under Tension:	4x outer diameter
Under Tension (During Pull):	6x outer diameter
Overall Diameter:	Greater than 1.000 in
Not Under Tension:	5x outer diameter
Under Tension (During Pull):	7.5x outer diameter

RATINGS AND MARKINGS

Sunlight resistant and marked

RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B230 – Aluminum 1350-H19 Wire for Electrical Purposes
- ASTM B231 – Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B400 – Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors
- UL 854 – Service-Entrance Cables (USE-2)
- ICEA S-105-692 – 600 Volt Single Layer Thermoset Insulated Utility Underground Distribution Cables

LISTINGS AND CERTIFICATIONS

UL listed as Type USE-2 – File E483097

Code Word	Phase			Neutral			Overall Diameter (in)	Weight	
	Conductor Size (AWG or kcmil)	Insulation Thickness (in)	Diameter (in)	Conductor Size (AWG or kcmil)	Insulation Thickness (in)	Diameter (in)		Al (lb/1000 ft)	Net (lb/1000 ft)
Bard	8	0.060	0.254	8	0.060	0.254	0.508	31.6	65.9
Claflin	6	0.060	0.289	6	0.060	0.289	0.578	50.2	90.8
Delgado	4	0.060	0.333	4	0.060	0.333	0.666	80.0	128.0
Everett	2	0.060	0.388	2	0.060	0.388	0.776	127.0	185.0

NOTES

1) Click to learn about ampacities.



URD Single UL Type USE-2, 1350 Aluminum Conductor, 90 °C Dry or Wet, Rated 600 V



APPLICATIONS

UL Type USE-2 conductors are used in conduit and direct burial for services, feeders, and branch circuits in residential, commercial or industrial applications in accordance with the NEC. The conductor is suitable for use in dry or wet locations at temperatures not to exceed 90 °C. The conductor is rated 600 V.

CONSTRUCTION

Conductor: Compact stranded 1350-H19 aluminum conductor.

Insulation: Abrasion, moisture, heat, and sunlight resistant crosslinked polyethylene (XLPE).

CONDUCTOR IDENTIFICATION

Black XLPE

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry or Wet	90°C
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MINIMUM BENDING RADIUS

Overall Diameter: Less than or Equal to	1.000 in
Not Under Tension:	4x outer diameter
Under Tension (During Pull):	6x outer diameter
Overall Diameter:	Greater than 1.000 in
Not Under Tension:	5x outer diameter
Under Tension (During Pull):	7.5x outer diameter

RATINGS AND MARKINGS

Sunlight resistant and marked
RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B230 – Aluminum 1350-H19 Wire for Electrical Purposes
- ASTM B231 – Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B400 – Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors
- UL 854 – Service-Entrance Cables (USE-2)
- ICEA S-105-692 – 600 Volt Single Layer Thermoset Insulated Utility Underground Distribution Cables

LISTINGS AND CERTIFICATIONS

UL listed as Type USE-2 – File E483097

Code Word	Conductor Size (AWG or kcmil)	Insulation Thickness (in)	Diameter (in)	Al Weight (lb / 1000 ft)	Net Weight (lb / 1000 ft)
Princeton	6	0.060	0.289	24.7	44.5
Mercer	4	0.060	0.333	39.3	62.9
Clemson	2	0.060	0.388	62.5	90.7
Kenyon	1	0.080	0.459	78.8	122
Harvard	1/0	0.080	0.496	99.4	147
Yale	2/0	0.080	0.536	125.0	178
Tufts	3/0	0.080	0.583	158.0	215
Beloit	4/0	0.080	0.635	199.0	263
Hofstra	250	0.095	0.710	235.0	319
Gonzaga	300	0.095	0.760	282.0	372
Rutgers	350	0.095	0.806	329.0	427
Emory	500	0.095	0.926	471.0	583
Duke	600	0.110	1.033	565.0	711
Furman	700	0.110	1.097	659.0	816
Sewanee	750	0.110	1.128	706.0	866
Fordham	1000	0.110	1.280	941.0	1124

NOTES

1) Click to learn about ampacities.



Service Drop Quadruplex, AAC Messenger, 1350 Aluminum Conductors, 90°C Dry or Wet, Rated 600 V



APPLICATIONS

Used for secondary distribution and overhead service entrance at 600 V or less, rated 90 °C dry or wet, sunlight resistant.

CONSTRUCTION

Phase Conductor: Compact stranded All Aluminum Conductor (AAC) 1350.

Insulation: Sunlight resistant Cross-Linked Polyethylene (XLPE).

Neutral or Messenger: Concentric stranded bare All Aluminum Conductor (AAC) 1350-H19.

Assembly: Twisted assembly of 3 insulated phase conductors around 1 bare neutral or messenger conductor.

CONDUCTOR IDENTIFICATION

Phase A: Black and marked "PHASE A"

Phase B: Black and marked "PHASE B"

Phase C: Black and marked "PHASE C"

RATINGS AND MARKINGS

Sunlight resistant and marked
RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B230 – Aluminum 1350–H19 Wire for Electrical Purposes
- ASTM B231 – Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B400 – Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors
- ICEA S-76-474 – Neutral Supported Power Cable Assemblies with Weather Resistant Extruded Insulation Rated 600 Volts

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry or Wet

90°C

MINIMUM BENDING RADIUS

Not Under Tension:

19x outer diameter

Under Tension (During Pull):

29x outer diameter

Code Word	Phase Conductor				1350 Neutral Conductor		Overall Diameter (in)	Weight		
	Size (AWG or kcmil)	Stranding	Insulation Thickness (in)	Diameter (in)	Size (AWG or kcmil)	Stranding		Phase Al (lb/1000 ft)	Neutral Al (lb/1000 ft)	Net (lb/1000 ft)
Clydesdale	4	7	0.045	0.294	4	7	0.710	117.5	39.1	206
Pinto	4	7	0.045	0.303	4	7	0.732	119.6	39.1	210
Mustang	2	19	0.045	0.358	2	7	0.864	190.3	62.2	315
Criollo	1/0	19	0.060	0.456	1/0	7	1.101	302.6	98.9	507
Percheron	2/0	19	0.060	0.496	2/0	7	1.197	381.9	124.8	622
Hanoverian	3/0	19	0.060	0.543	3/0	19	1.311	481.0	157.2	766
Oldenburg	4/0	19	0.060	0.595	4/0	19	1.436	607.1	198.4	947
Lippizaner	336 400	19	0.080	0.766	336 400	19	1.849	965.4	315.5	1524



Service Drop Quadruplex, ACSR Messenger, 1350 Aluminum Conductors, 90 °C Dry or Wet, Rated 600 V



APPLICATIONS

Used for secondary distribution and overhead service entrance at 600 V or less, rated 90 °C dry or wet, sunlight resistant.

CONSTRUCTION

Phase Conductor: Compact stranded All Aluminum Conductor (AAC) 1350.

Insulation: Sunlight resistant Cross-Linked Polyethylene (XLPE).

Neutral or Messenger: Concentric stranded bare Aluminum Conductor Steel Reinforced (ACSR).

Assembly: Twisted assembly of 3 insulated phase conductors around 1 bare neutral or messenger conductor.

CONDUCTOR IDENTIFICATION

Phase A: Black and marked "PHASE A"

Phase B: Black and marked "PHASE B"

Phase C: Black and marked "PHASE C"

RATINGS AND MARKINGS

Sunlight resistant and marked

RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B230 – Aluminum 1350–H19 Wire for Electrical Purposes
- ASTM B231 – Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B232 – Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Reinforced (ACSR)
- ASTM B400 – Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors
- ICEA S-76-474 – Neutral Supported Power Cable Assemblies with Weather Resistant Extruded Insulation Rated 600 Volts

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry or Wet

90°C

MINIMUM BENDING RADIUS

Not Under Tension:

19x outer diameter

Under Tension (During Pull):

29x outer diameter

Code Word	Phase Conductor				ACSR Neutral Conductor		Overall Diameter (in)	Weight			
	Size (AWG or kcmil)	Stranding	Insulation Thickness (in)	Diameter (in)	Size (AWG or kcmil)	Stranding		Phase Metal (lb/1000 ft)	Neutral Al (lb/1000 ft)	Neutral St (lb/1000 ft)	Net (lb/1000 ft)
Morochuca	6	Solid	0.045	0.252	6	6/1	0.608	74.1	24.5	11.6	151
Chola	6	7	0.045	0.259	6	6/1	0.625	75.3	24.5	11.6	142
Morgan	4	Solid	0.045	0.294	4	6/1	0.710	117.5	38.9	18.4	206
Hackney	4	7	0.045	0.303	4	6/1	0.732	119.6	38.9	18.4	210
Palomino	2	7	0.045	0.358	2	6/1	0.864	190.3	61.9	29.3	315
Costena	1/0	19	0.060	0.456	1/0	6/1	1.101	302.6	98.5	46.6	506
Grullo	2/0	19	0.060	0.496	2/0	6/1	1.197	381.9	124.1	58.7	622
Suffolk	3/0	19	0.060	0.543	3/0	6/1	1.311	481.0	156.4	74.0	766
Appaloosa	4/0	19	0.060	0.595	4/0	6/1	1.436	607.1	197.4	93.4	946
Gelding	336 400	19	0.060	0.766	4/0	6/1	1.849	965.4	197.4	93.4	1406
Bronco	336 400	19	0.060	0.766	336 400	18/1	1.849	965.4	315.3	49.5	1523



Service Drop Quadruplex, AAAC Messenger, 1350 Aluminum Conductors, 90 °C Dry or Wet, Rated 600 V



APPLICATIONS

Used for secondary distribution and overhead service entrance at 600 V or less, rated 90 °C dry or wet, sunlight resistant.

CONSTRUCTION

Phase Conductor: Compact stranded All Aluminum Conductor (AAC) 1350.

Insulation: Sunlight resistant Cross-Linked Polyethylene (XLPE).

Neutral or Messenger: Concentric stranded bare All Aluminum Alloy Conductor (AAAC) 6201-T81.

Assembly: Twisted assembly of 3 insulated phase conductors around 1 bare neutral or messenger conductor.

CONDUCTOR IDENTIFICATION

Phase A: Black and marked "PHASE A"

Phase B: Black and marked "PHASE B"

Phase C: Black and marked "PHASE C"

VOLTAGE RATING: 600 V

RATINGS AND MARKINGS

Sunlight resistant and marked
RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B230 – Aluminum 1350–H19 Wire for Electrical Purposes
- ASTM B231 – Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B398 – Aluminum-Alloy 6201-T81 and 6201-T83 Wire for Electrical Purposes
- ASTM B399 – Concentric-Lay-Stranded Aluminum-Alloy 6201-T81 Conductors
- ASTM B400 – Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors
- ICEA S-76-474 – Neutral Supported Power Cable Assemblies with Weather Resistant Extruded Insulation Rated 600 Volts

TEMPERATURE RATING

Dry or Wet	90°C
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MINIMUM BENDING RADIUS

Not Under Tension:	19x outer diameter
Under Tension (During Pull):	29x out diameter

Code Word	Phase Conductor				6201 Neutral Conductor			Overall Diameter (in)	Weight		
	Size (AWG or kcmil)	Stranding	Insulation Thickness (in)	Diameter (in)	ACSR Equivalent Size (AWG or kcmil)	Actual Size (kcmil)	Stranding		Phase Al (lb/1000 ft)	Neutral Al (lb/1000 ft)	Net (lb/1000 ft)
Bay	6	Solid	0.045	0.252	6	30 580	7	0.608	74.1	28.5	144
French-Coach	6	7	0.045	0.259	6	30 580	7	0.625	75.3	28.5	146
German-Coach	4	Solid	0.045	0.294	4	48 690	7	0.710	117.5	45.4	212
Arabian	4	7	0.045	0.303	4	48 690	7	0.732	119.6	45.4	216
Belgian	2	7	0.045	0.358	2	77 470	7	0.864	190.3	72.2	325
Shetland	1/0	19	0.060	0.456	1/0	123 000	7	1.101	302.6	114.9	523
Thoroughbred	2/0	19	0.045	0.496	2/0	155 400	7	1.197	381.9	144.9	643
Trotter	3/0	19	0.045	0.543	3/0	195 700	7	1.311	481.0	182.5	792
Walking	4/0	19	0.045	0.595	4/0	246 900	7	1.436	607.1	230.2	979



Service Drop Triplex, AAC Messenger, 1350 Aluminum Conductors, 90°C Dry or Wet, Rated 600 V



APPLICATIONS

Used for secondary distribution and overhead service entrance at 600 V or less, rated 90 °C dry or wet, sunlight resistant.

CONSTRUCTION

Phase Conductor: Compact stranded All Aluminum Conductor (AAC) 1350.

Insulation: Sunlight resistant Cross-Linked Polyethylene (XLPE).

Neutral or Messenger: Concentric stranded bare All Aluminum Conductor (AAC) 1350-H19.

Assembly: Twisted assembly of 2 insulated phase conductors around 1 bare neutral or messenger conductor.

CONDUCTOR IDENTIFICATION

Phase A: Black and marked "PHASE A"

Phase B: Black and marked "PHASE B"

RATINGS AND MARKINGS

Sunlight resistant and marked

RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B230 -- Aluminum 1350-H19 Wire for Electrical Purposes
- ASTM B231 -- Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B400 -- Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors
- ICEA S-76-474 -- Neutral Supported Power Cable Assemblies with Weather Resistant Extruded Insulation Rated 600 Volts

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry or Wet

90°C

MINIMUM BENDING RADIUS

Not Under Tension:

19x outer diameter

Under Tension (During Pull):

29x outer diameter

Code Word	Phase Conductor				1350 Neutral Conductor		Overall Diameter (in)	Weights		
	Size (AWG or kcmil)	Stranding	Insulation Thickness (in)	Diameter (in)	Size (AWG or kcmil)	Stranding		Phase Al (lb/1000 ft)	Neutral Al (lb/1000 ft)	Net (lb/1000 ft)
Haiotis	6	Solid	0.045	0.252	6	7	0.543	49.4	24.6	102
Patella	6	7	0.045	0.259	6	7	0.558	50.2	24.6	103
Fusus	4	Solid	0.045	0.294	4	7	0.633	78.3	39.1	150
Oyster	4	7	0.045	0.303	4	7	0.653	79.8	39.1	153
Clam	2	7	0.045	0.358	2	7	0.771	126.9	62.2	231
Murex	1/0	7	0.060	0.456	1/0	7	0.983	201.8	98.9	371
Purpura	1/0	19	0.060	0.456	1/0	7	0.983	201.8	98.9	371
Nassa	2/0	7	0.060	0.496	2/0	7	1.069	254.6	124.8	457
Melita	3/0	19	0.060	0.543	3/0	19	1.170	320.7	157.2	563
Portunus	4/0	19	0.080	0.635	4/0	19	1.368	404.7	198.4	734
Nannynose	336 400	19	0.080	0.766	336 400	19	1.651	643.6	315.5	1121



Service Drop Triplex, ACSR Messenger, 1350 Aluminum Conductors, 90 °C Dry or Wet, Rated 600 V



APPLICATIONS

Used for secondary distribution and overhead service entrance at 600 V or less, rated 90 °C dry or wet, sunlight resistant.

CONSTRUCTION

Phase Conductor: Compact stranded All Aluminum Conductor (AAC) 1350.

Insulation: Sunlight resistant Cross-Linked Polyethylene (XLPE).

Neutral or Messenger: Concentric stranded bare Aluminum Conductor Steel Reinforced (ACSR).

Assembly: Twisted assembly of 2 insulated phase conductors around 1 bare neutral or messenger conductor.

CONDUCTOR IDENTIFICATION

Phase A: Black and marked "PHASE A"

Phase B: Black and marked "PHASE B"

RATINGS AND MARKINGS

Sunlight resistant and marked

RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B230 – Aluminum 1350–H19 Wire for Electrical Purposes
- ASTM B231 – Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B232 – Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Reinforced (ACSR)
- ASTM B400 – Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors
- ICEA S-76-474 – Neutral Supported Power Cable Assemblies with Weather Resistant Extruded Insulation Rated 600 Volts

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry or Wet

90°C

MINIMUM BENDING RADIUS

Not Under Tension:

19x outer diameter

Under Tension (During Pull):

29x outer diameter

Code Word	Phase Conductor				ACSR Neutral Conductor		Overall Diameter (in)	Weight			
	Size (AWG or kcmil)	Stranding	Insulation Thickness (in)	Diameter (in)	Size (AWG or kcmil)	Stranding		Phase Metal (lb/1000 ft)	Neutral Al (lb/1000 ft)	Neutral St (lb/1000 ft)	Net (lb/1000 ft)
Paludina	6	Solid	0.045	0.252	6	6/1	0.543	49.4	24.5	11.6	113
Voluta	6	7	0.045	0.259	6	6/1	0.558	50.2	24.5	11.6	103
Scallop	4	Solid	0.045	0.294	6	6/1	0.633	78.3	24.5	11.6	136
Strombus	4	7	0.045	0.303	6	6/1	0.653	79.8	24.5	11.6	139
Whelk	4	Solid	0.045	0.294	4	6/1	0.633	78.3	38.9	18.4	150
Periwinkle	4	7	0.045	0.303	4	6/1	0.653	79.8	38.9	18.4	153
Cockle	2	7	0.045	0.358	4	6/1	0.771	126.9	38.9	18.4	207
Conch	2	7	0.045	0.358	2	6/1	0.771	126.9	61.9	29.3	230
Janthina	1/0	7	0.060	0.456	2	6/1	0.983	201.8	61.9	29.3	334
Ranella	1/0	19	0.060	0.456	2	6/1	0.983	201.8	61.9	29.3	334
Neritina	1/0	7	0.060	0.456	1/0	6/1	0.983	201.8	98.5	46.6	370
Cenia	1/0	19	0.060	0.456	1/0	6/1	0.983	201.8	98.5	46.6	370
Cavolinia	2/0	7	0.060	0.496	1	6/1	1.069	254.6	78.1	37.0	410
Clio	2/0	19	0.060	0.496	1	6/1	1.069	254.6	78.1	37.0	410
Runcina	2/0	7	0.060	0.496	2/0	6/1	1.069	254.6	124.1	58.7	456
Triton	2/0	19	0.060	0.496	2/0	6/1	1.069	254.6	124.1	58.7	456
Sanddollar	3/0	7	0.060	0.543	1/0	6/1	1.170	320.7	98.5	46.6	505
Aega	3/0	19	0.060	0.543	1/0	6/1	1.170	320.7	98.5	46.6	505
Cherrystone	3/0	7	0.060	0.543	3/0	6/1	1.170	320.7	156.4	74.0	563
Mursia	3/0	19	0.060	0.543	3/0	6/1	1.170	320.7	156.4	74.0	563



Triplex, ACSR Messenger, 1350 Aluminum Conductors, 90° C Dry or Wet, Rated 600 V

Code Word	Phase Conductor				ACSR Neutral Conductor		Overall Diameter (in)	Weight			
	Size (AWG or kcmil)	Stranding	Insulation Thickness (in)	Diameter (in)	Size (AWG or kcmil)	Stranding		Phase Metal (lb/1000 ft)	Neutral Al (lb/1000 ft)	Neutral St (lb/1000 ft)	Net (lb/1000 ft)
Cuttlefish	4/0	7	0.060	0.595	2/0	6/1	1.282	404.7	124.1	58.7	623
Cerapus	4/0	19	0.060	0.595	2/0	6/1	1.282	404.7	124.1	58.7	623
Razor	4/0	7	0.060	0.595	4/0	6/1	1.282	404.7	197.4	93.4	697
Zuzara	4/0	19	0.060	0.595	4/0	6/1	1.282	404.7	197.4	93.4	697
Cowry	336 400	19	0.080	0.766	4/0	6/1	1.651	643.6	197.4	93.4	1003
Limpet	336 400	19	0.080	0.766	336 400	18/1	1.651	643.6	315.3	49.5	1121



Service Drop Triplex, AAAC Messenger, 1350 Aluminum Conductors, 90°C Dry or Wet, Rated 600 V



APPLICATIONS

Used for secondary distribution and overhead service entrance at 600 V or less, rated 90 °C dry or wet, sunlight resistant.

CONSTRUCTION

Phase Conductor: Compact stranded All Aluminum Conductor (AAC) 1350.

Insulation: Sunlight resistant Cross-Linked Polyethylene (XLPE).

Neutral or Messenger: Concentric stranded bare All Aluminum Alloy Conductor (AAAC) 6201-T81.

Assembly: Twisted assembly of 2 insulated phase conductors around 1 bare neutral or messenger conductor.

CONDUCTOR IDENTIFICATION

Phase A: Black and marked "PHASE A"

Phase B: Black and marked "PHASE B"

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry or Wet

90°C

MINIMUM BENDING RADIUS

Not Under Tension:

19x outer diameter

Under Tension (During Pull):

29x outer diameter

RATINGS AND MARKINGS

Sunlight resistant and marked

RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B230 – Aluminum 1350–H19 Wire for Electrical Purposes
- ASTM B231 – Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B398 – Aluminum-Alloy 6201-T81 and 6201-T83 Wire for Electrical Purposes
- ASTM B399 – Concentric-Lay-Stranded Aluminum-Alloy 6201-T81 Conductors
- ASTM B400 – Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors
- ICEA S-76-474 – Neutral Supported Power Cable Assemblies with Weather Resistant Extruded Insulation Rated 600 Volts

Code Word	Phase Conductor				6201 Neutral Conductor			Overall Diameter (in)	Weight		
	Size (AWG or kcmil)	Stranding	Insulation Thickness (in)	Diameter (in)	ACSR Equivalent Size (AWG or kcmil)	Actual Size (kcmil)	Stranding		Phase Al (lb/1000 ft)	Neutral Al (lb/1000 ft)	Net (lb/1000 ft)
Minex	6	Solid	0.045	0.252	6	30 580	7	0.543	49.4	28.5	105
Hippa	6	7	0.045	0.259	6	30 580	7	0.558	50.2	28.5	107
Artemia	4	Solid	0.045	0.294	6	30 580	7	0.633	78.3	28.5	140
Crab	4	Solid	0.045	0.294	6	30 580	7	0.633	78.3	28.5	140
Prawn	4	Solid	0.045	0.294	4	48 690	7	0.633	78.3	45.4	157
Barnacles	4	7	0.045	0.303	4	48 690	7	0.653	79.8	45.4	159
Solaster	2	7	0.045	0.358	4	48 690	7	0.771	126.9	45.4	214
Shrimp	2	7	0.045	0.358	2	77 470	7	0.771	126.9	72.2	241
Sandcrab	1/0	7	0.060	0.456	2	77 470	7	0.983	201.8	72.2	344
Echinus	1/0	19	0.060	0.456	2	77 470	7	0.983	201.8	72.2	344
Gammarus	1/0	7	0.060	0.456	1/0	123 300	7	0.983	201.8	114.9	387
Leda	1/0	19	0.060	0.456	1/0	123 000	7	0.983	201.8	114.9	387
Crayfish	2/0	7	0.060	0.496	1	97 630	7	1.069	254.6	91.0	423
Sipho	2/0	19	0.060	0.496	1	97 630	7	1.069	254.6	91.0	423
Dungenese	2/0	7	0.060	0.496	2/0	155 400	7	1.069	254.6	144.9	477
Cyclops	2/0	19	0.060	0.496	2/0	155 400	7	1.069	254.6	144.9	477
Fulgur	3/0	19	0.060	0.543	1/0	123 300	7	1.170	320.7	114.9	521
Flustra	3/0	19	0.060	0.543	3/0	195 700	7	1.170	320.7	182.5	589
Arca	4/0	19	0.060	0.595	2/0	155 400	7	1.282	404.7	144.9	644
Lepas	4/0	19	0.060	0.595	4/0	246 900	7	1.282	404.7	230.2	730



Service Drop Duplex, AAC Messenger, 1350 Aluminum Conductor, 90 °C Dry or Wet, Rated 600 V



APPLICATIONS

Used for secondary distribution and overhead service entrance at 600 V or less, rated 90 °C dry or wet, sunlight resistant.

CONSTRUCTION

Phase Conductor: Compact stranded All Aluminum Conductor (AAC) 1350.

Insulation: Sunlight resistant Cross-Linked Polyethylene (XLPE).

Neutral or Messenger: Concentric stranded bare All Aluminum Conductor (AAC) 1350-H19.

Assembly: Twisted assembly of 1 insulated phase conductor around 1 bare neutral or messenger conductor.

CONDUCTOR IDENTIFICATION

Phase Conductor: Black

VOLTAGE RATING: 600 V

RATINGS AND MARKINGS

Sunlight resistant and marked
RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B230 – Aluminum 1350–H19 Wire for Electrical Purposes
- ASTM B231 – Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B400 – Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors
- ICEA S-76-474 – Neutral Supported Power Cable Assemblies with Weather Resistant Extruded Insulation Rated 600 Volts

TEMPERATURE RATING

Dry or Wet

90°C

MINIMUM BENDING RADIUS

Not Under Tension:

19x outer diameter

Under Tension (During Pull):

29x outer diameter

Code Word	Phase Conductor				1350 Neutral Conductor		Overall Diameter (in)	Weight		
	Size (AWG or kcmil)	Stranding	Insulation Thickness (in)	Diameter (in)	Size (AWG or kcmil)	Stranding		Phase Al (lb/1000 ft)	Neutral Al (lb/1000 ft)	Net (lb/1000 ft)
Pekingese	6	Solid	0.045	0.252	6	7	0.436	24.7	24.6	63.0
Collie	6	7	0.045	0.259	6	7	0.443	25.1	24.6	63.9
Dachshund	4	Solid	0.045	0.294	4	7	0.526	39.2	39.1	94.8
Spaniel	4	7	0.045	0.303	4	7	0.535	39.9	39.1	96.1
Doberman	2	7	0.045	0.358	2	7	0.650	63.4	62.2	146
Malemute	1/0	19	0.060	0.456	1/0	7	0.828	101.0	98.9	235



Service Drop Duplex, ACSR Messenger, 1350 Aluminum Conductors, 90°C Dry or Wet, Rated 600 V



APPLICATIONS

Used for secondary distribution and overhead service entrance at 600 V or less, rated 90 °C dry or wet, sunlight resistant.

CONSTRUCTION

Phase Conductor: Compact stranded All Aluminum Conductor (AAC) 1350.

Insulation: Sunlight resistant Cross-Linked Polyethylene (XLPE).

Neutral or Messenger: Concentric stranded bare Aluminum Conductor Steel Reinforced (ACSR).

Assembly: Twisted assembly of 1 insulated phase conductor around 1 bare neutral or messenger conductor.

CONDUCTOR IDENTIFICATION

Phase Conductor: Black

VOLTAGE RATING: 600 V

RATINGS AND MARKINGS

Sunlight resistant and marked
RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B230 – Aluminum 1350–H19 Wire for Electrical Purposes
- ASTM B231 – Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B232 – Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Reinforced (ACSR)
- ASTM B400 – Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors
- ICEA S-76-474 – Neutral Supported Power Cable Assemblies with Weather Resistant Extruded Insulation Rated 600 Volts

TEMPERATURE RATING

Dry or Wet

90°C

MINIMUM BENDING RADIUS

Not Under Tension:

19x outer diameter

Under Tension (During Pull):

29x outer diameter

Code Word	Phase Conductor				ACSR Neutral Conductor		Overall Diameter (in)	Weight			
	Size (AWG or kcmil)	Stranding	Insulation Thickness (in)	Diameter (in)	Size (AWG or kcmil)	Stranding		Phase Al (lb/1000 ft)	Neutral Al (lb/1000 ft)	Neutral St (lb/1000 ft)	Net (lb/1000 ft)
Setter	6	Solid	0.045	0.252	6	6/1	0.450	24.7	24.5	11.6	74.5
Shepherd	6	7	0.045	0.259	6	6/1	0.457	25.1	24.5	11.6	63.8
Eskimo	4	Solid	0.045	0.294	4	6/1	0.544	39.2	38.9	18.4	94.6
Terrier	4	7	0.045	0.303	4	6/1	0.553	39.9	38.9	18.4	95.9
Chow	2	Solid	0.045	0.358	2	6/1	0.674	63.4	61.9	29.3	146.1
Bull	1/0	19	0.060	0.456	1/0	6/1	0.854	100.9	98.5	46.6	234.4



Service Drop Duplex, AAAC Messenger, 1350 Aluminum Conductor, 90 °C Dry or Wet, Rated 600 V



APPLICATIONS

Used for secondary distribution and overhead service entrance at 600 V or less, rated 90 °C dry or wet, sunlight resistant.

CONSTRUCTION

Phase Conductor: Compact stranded All Aluminum Conductor (AAC) 1350.

Insulation: Sunlight resistant Cross-Linked Polyethylene (XLPE).

Neutral or Messenger: Concentric stranded bare All Aluminum Alloy Conductor (AAAC) 6201-T81.

Assembly: Twisted assembly of 1 insulated phase conductor around 1 bare neutral or messenger conductor.

CONDUCTOR IDENTIFICATION

Phase Conductor: Black

VOLTAGE RATING: 600 V

RATINGS AND MARKINGS

Sunlight resistant and marked
RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B230 – Aluminum 1350–H19 Wire for Electrical Purposes
- ASTM B231 – Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B398 – Aluminum-Alloy 6201-T81 and 6201-T83 Wire for Electrical Purposes
- ASTM B399 – Concentric-Lay-Stranded Aluminum-Alloy 6201-T81 Conductors
- ASTM B400 – Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors
- ICEA S-76-474 -- Neutral Supported Power Cable Assemblies with Weather Resistant Extruded Insulation Rated 600 Volts

TEMPERATURE RATING

Dry or Wet

90°C

MINIMUM BENDING RADIUS

Not Under Tension:

19x outer diameter

Under Tension (During Pull):

29x outer diameter

Code Word	Phase Conductor				6201 Neutral Conductor			Overall Diameter (in)	Weight		
	Size (AWG or kcmil)	Stranding	Insulation Thickness (in)	Diameter (in)	ACSR Equivalent Size (AWG or kcmil)	Actual Size (kcmil)	Stranding		Phase Al (lb/1000 ft)	Neutral Al (lb/1000 ft)	Net (lb/1000 ft)
Chihuahua	6	Solid	0.045	0.252	6	30 580	7	0.450	24.7	28.5	66.9
Vizsla	6	7	0.045	0.259	6	30 580	7	0.457	25.1	28.5	67.8
Harrier	4	Solid	0.045	0.294	4	48 690	7	0.544	39.2	45.4	101
Whippet	4	7	0.045	0.303	4	48 690	7	0.553	39.9	45.4	102
Schnauzer	2	7	0.045	0.358	2	77 470	7	0.674	63.4	72.2	157
Heeler	1/0	19	0.060	0.456	1/0	123 000	7	0.854	101.0	115.0	251



ACSR -- ALUMINUM CONDUCTOR STEEL REINFORCED



APPLICATIONS

Bare ACSR conductors are intended for use as overhead transmission, primary or secondary distribution conductor. The steel wire core and the outer aluminum wires provide an optimal balance between conductor strength and current carrying capacity, allowing for greater conductor currents at longer spans between supports. This conductor is often used as the messenger for multi conductor neutral supported conductor designs.

CONSTRUCTION

Aluminum alloy 1350-H19 wires concentrically stranded over a steel wire core. The steel wire core is Class A Zinc coated (Code GA2).

STANDARDS

These conductors are manufactured and tested to meet or exceed the following standards:

- ASTM B230 – Aluminum 1350–H19 Wire for Electrical Purposes
- ASTM B231 – Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B232 – Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Reinforced (ACSR)
- ASTM B498 – Zinc-Coated (Galvanized) Steel Core Wire for Use in Overhead Electrical Conductors

Code Word	Size (AWG or kcmil)	Stranding (Al/Stl)	Wire Diameter		Diameter		Weight			Rated Strength (lbf)	DC Resistance @ 20 deg C (ohm/1000f)	Ampacity (A)
			Aluminum (in)	Steel (in)	Steel Core (in)	Overall (in)	Aluminum (lb/1000ft)	Steel (lb/1000ft)	Net (lb/1000ft)			
Grouse	80	8/1	0.1000	0.1670	0.1670	0.367	75.0	73.9	148.9	5200	0.206	206
Petrel	101.8	12/7	0.0921	0.2763	0.2763	0.461	95.9	157.9	253.8	10400	0.158	234
Minorca	110.8	12/7	0.0961	0.0961	0.2883	0.481	104.4	171.9	276.3	11300	0.145	245
Leghorn	134.6	12/7	0.1059	0.1059	0.3177	0.530	126.8	208.7	335.5	13600	0.120	271
Guinea	159	12/7	0.1151	0.1151	0.3453	0.576	149.7	246.6	396.3	16000	0.101	296
Dotterel	176.9	12/7	0.1214	0.1214	0.3642	0.607	166.6	274.3	440.9	17300	0.0911	313
Dorking	190.8	12/7	0.1261	0.1261	0.3783	0.631	179.7	296.0	475.7	18700	0.0845	326
Brahma	203.2	16/19	0.1127	0.0977	0.4885	0.714	191.4	483.2	674.6	28400	0.0764	341
Cochin	211.3	12/7	0.1327	0.1327	0.3981	0.664	199.0	327.8	526.8	20700	0.0763	344
Turkey	6	6/1	0.0661	0.0661	0.0661	0.198	24.5	11.6	36.1	1190	0.641	105
Swan	4	6/1	0.0834	0.0834	0.0834	0.250	38.9	18.4	57.3	1860	0.403	139
Swanate	4	6/1	0.0772	0.1029	0.1029	0.257	38.9	28.0	66.9	2360	0.399	139
Sparrow	2	6/1	0.1052	0.1052	0.1052	0.316	61.9	29.3	91.2	2850	0.254	184
Sparate	2	6/1	0.0974	0.1299	0.1299	0.325	61.9	44.7	106.6	3640	0.251	184
Robin	1	6/1	0.1181	0.1182	0.1182	0.355	78.1	37.0	115.1	3550	0.201	211
Raven	1/0	6/1	0.1327	0.1327	0.1327	0.398	98.5	46.6	145.1	4380	0.159	243
Quail	2/0	6/1	0.1489	0.1489	0.1489	0.447	124.1	58.7	182.8	5310	0.126	278
Pigeon	3/0	6/1	0.1672	0.1672	0.1672	0.502	156.4	74.0	230.4	6620	0.100	319
Penguin	4/0	6/1	0.1878	0.1878	0.1878	0.563	197.4	93.4	290.8	8350	0.0795	366
Waxwing	266.8	18/1	0.1217	0.1217	0.1217	0.609	249.9	39.2	289.1	6880	0.0643	449
Partridge	266.8	26/7	0.1013	0.0788	0.2364	0.642	251.3	115.6	366.9	11300	0.0637	457
Ostrich	300	26/7	0.1074	0.0835	0.2505	0.680	282.5	129.7	412.2	12700	0.0567	492
Merlin	336.4	18/1	0.1367	0.1367	0.1367	0.683	315.3	49.5	364.8	8680	0.0510	519
Linnet	336.4	26/7	0.1137	0.0884	0.2652	0.720	316.6	145.4	462.0	14100	0.0505	529
Oriole	336.4	30/7	0.1059	0.1059	0.3177	0.741	317.7	208.7	526.4	17300	0.0502	535
Chickadee	397.5	18/1	0.1486	0.1486	0.1486	0.743	372.5	58.5	431.0	9940	0.0432	576
Brant	397.5	24/7	0.1287	0.0858	0.2574	0.772	374.4	137.0	511.4	14600	0.0430	584



ACSR -- ALUMINUM CONDUCTOR STEEL REINFORCED

Code Word	Size (AWG or kcmil)	Stranding (Al/Stl)	Wire Diameter		Diameter		Weight			Rated Strength (lbf)	DC Resistance @ 20 deg C (ohm/1000f)	Ampacity (A)
			Aluminum (in)	Steel (in)	Steel Core (in)	Overall (in)	Aluminum (lb/1000ft)	Steel (lb/1000ft)	Net (lb/1000ft)			
Ibis	397.5	26/7	0.1236	0.0961	0.2883	0.783	374.1	171.9	546.0	16300	0.0428	587
Lark	397.5	30/7	0.1151	0.1151	0.3453	0.806	375.3	246.5	621.8	20300	0.0425	594
Pelican	477	18/1	0.1628	0.1628	0.1628	0.814	447.1	70.2	517.3	11800	0.0360	646
Flicker	477	24/7	0.1410	0.0940	0.2820	0.846	449.4	164.5	613.9	17200	0.0358	655
Hawk	477	26/7	0.1354	0.1053	0.3159	0.858	449.0	206.4	655.3	19500	0.0356	659
Hen	477	30/7	0.1261	0.1261	0.3783	0.883	450.4	296.0	746.4	23800	0.0354	666
Osprey	556.5	18/1	0.1758	0.1758	0.1758	0.879	521.4	81.8	603.3	13700	0.0308	711
Parakeet	556.5	24/7	0.1523	0.1015	0.3045	0.914	524.3	191.8	716.1	19800	0.0307	721
Dove	556.5	26/7	0.1463	0.1138	0.3414	0.927	524.2	241.0	765.2	22600	0.0305	726
Eagle	556.5	30/7	0.1362	0.1362	0.4086	0.953	525.4	345.2	870.7	27800	0.0303	734
Peacock	605	24/7	0.1588	0.1059	0.3177	0.966	570.1	208.7	778.8	21600	0.0282	760
Squab	605	26/7	0.1525	0.1186	0.3558	0.994	569.3	261.8	831.3	24300	0.0281	765
Wood Duck	605	30/7	0.1420	0.1420	0.4260	0.994	571.2	375.3	946.5	28900	0.0279	773
Teal	605	30/19	0.1420	0.0852	0.4260	0.994	571.2	367.4	938.6	30000	0.0279	773
Kingbird	636	18/1	0.1880	0.1880	0.1880	0.940	596.3	93.6	689.9	15700	0.0270	773
Swift	636	36/1	0.1329	0.1329	0.1329	0.930	596.0	46.8	642.8	13800	0.0271	769
Rook	636	24/7	0.1628	0.1085	0.3255	0.977	599.1	219.1	818.2	22600	0.0269	784
Grosbeak	636	26/7	0.1564	0.1216	0.3648	0.990	599.0	275.2	874.2	25200	0.0267	789
Scoter	636	30/7	0.1456	0.1456	0.4368	1.019	600.5	394.6	995.1	30400	0.0266	798
Egret	636	30/19	0.1456	0.0874	0.4370	1.019	600.5	386.7	987.2	31500	0.0266	798
Flamingo	666.6	24/7	0.1667	0.1111	0.3333	1.000	628.2	229.7	857.9	23700	0.0256	807
Gannet	666.6	26/7	0.1601	0.1245	0.3735	1.014	627.7	288.5	916.2	26400	0.0255	812
Stilt	715.5	24/7	0.1727	0.1151	0.3453	1.036	674.2	246.6	920.8	25500	0.0239	844
Starling	715.5	26/7	0.1659	0.1290	0.3870	1.051	674.0	309.7	983.7	28400	0.0238	849
Redwing	715.5	30/19	0.1544	0.0926	0.4630	1.081	675.3	434.0	1109.3	34600	0.0236	859
Coot	795	36/1	0.1486	0.1486	0.1486	1.040	745.1	58.5	803.6	16800	0.0217	884
Cuckoo	795	24/7	0.1213	0.1213	0.3639	1.092	748.8	273.9	1022.6	27900	0.0215	901
Drake	795	26/7	0.1360	0.1360	0.4080	1.108	749.1	344.3	1093.4	31500	0.0214	907
Tern	795	45/7	0.1329	0.0886	0.2658	1.063	748.6	146.1	894.7	22100	0.0216	887
Condor	795	54/7	0.1213	0.1213	0.3639	1.092	748.4	273.9	1022.2	28200	0.0215	889
Mallard	795	30/19	0.1628	0.0977	0.4885	1.108	750.7	483.2	1234.0	38400	0.0213	917
Ruddy	900	45/7	0.1414	0.0943	0.2829	1.131	847.4	165.5	1013.0	24400	0.0191	958
Canary	900	54/7	0.1291	0.1291	0.3873	1.162	847.7	310.2	1157.9	31900	0.0190	960
Rail	954	45/7	0.1456	0.0971	0.2913	1.165	898.5	175.5	1074.0	25900	0.0188	993
Cardinal	954	54/7	0.1329	0.1329	0.3987	1.196	898.3	328.7	1227.1	33800	0.0179	996
Ortolan	1033.5	45/7	0.1515	0.1010	0.3030	1.212	972.8	189.9	1162.7	27700	0.0166	1043
Curlew	1033.5	54/7	0.1383	0.1383	0.4149	1.245	972.8	356.0	1328.8	36600	0.0165	1047
Bluejay	1113	45/7	0.1573	0.1049	0.3147	1.259	1048.7	204.8	1253.6	29800	0.0155	1092
Finch	1113	54/19	0.1436	0.0862	0.4310	1.293	1053.9	376.1	1430.1	39100	0.0154	1093



ACSR -- ALUMINUM CONDUCTOR STEEL REINFORCED

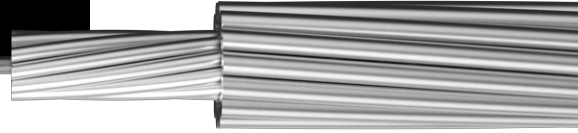
Code Word	Size (AWG or kcmil)	Stranding (Al/Stl)	Wire Diameter		Diameter		Weight			Rated Strength (lbf)	DC Resistance @ 20 deg C (ohm/1000ft)	Ampacity (A)
			Aluminum (in)	Steel (in)	Steel Core (in)	Overall (in)	Aluminum (lb/1000ft)	Steel (lb/1000ft)	Net (lb/1000ft)			
Bunting	1192.5	45/7	0.1628	0.1085	0.3255	1.302	1123.4	219.1	1342.5	32000	0.0144	1139
Grackle	1192.5	54/19	0.1486	0.0892	0.4460	1.338	1128.6	402.8	1531.4	41900	0.0144	1141
Bittern	1272	45/7	0.1681	0.1121	0.3363	1.345	1197.7	233.9	1431.6	34100	0.0135	1184
Pheasant	1272	54/19	0.1535	0.0921	0.4605	1.382	1204.3	429.4	1633.7	43600	0.0135	1187
Dipper	1351.5	45/7	0.1733	0.1155	0.3465	1.386	1272.9	248.3	1521.2	36200	0.0127	1228
Martin	1351.5	54/19	0.1582	0.0949	0.4745	1.424	1279.1	455.9	1735.0	46300	0.0127	1231
Bobolink	1431	45/7	0.1783	0.1189	0.3567	1.427	1347.5	263.1	1610.6	38300	0.0120	1272
Plover	1431	54/19	0.1628	0.0977	0.4885	1.465	1354.6	483.2	1837.8	49100	0.0120	1275
Nuthatch	1510.5	45/7	0.1832	0.1221	0.3663	1.466	1422.5	277.5	1700.0	40000	0.0114	1313
Parrot	1510.5	54/19	0.1672	0.1003	0.5015	1.505	1428.8	509.2	1938.1	51700	0.0114	1317
Lapwing	1590	45/7	0.1880	0.1253	0.3759	1.504	1498.1	292.2	1790.3	42200	0.0108	1354
Falcon	1590	54/19	0.1716	0.1030	0.5150	1.545	1505.0	537.0	2042.1	54500	0.0108	1359
Chukar	1780	84/19	0.1456	0.0874	0.4370	1.602	1685.4	386.7	2072.1	51000	0.00970	1453
Bluebird	2156	84/19	0.1602	0.0961	0.4805	1.762	2040.4	467.5	2507.9	60300	0.00801	1622
Kiwi	2167	72/7	0.1735	0.1157	0.3471	1.735	2051.4	249.2	2300.5	49800	0.00801	1607
Thrasher	2312	76/19	0.1744	0.0814	0.4070	1.802	2187.9	335.4	2523.3	56700	0.00750	1672
Joree	2515	76/19	0.1819	0.0849	0.4245	1.880	2384.0	364.8	2749.0	61700	N/A	1751

NOTES

- 1) Dimensions and weights are subject to standard manufacturing tolerances and are subject to change without notice.
- 2) Resistance is calculated using metal conductivity of 61.2% IACS for EC (1350) at 20°C and 8% IACS for steel at 20°C.
- 3) Ampacities are based on 75°C conductor temperature, 25°C ambient, 2 ft/s wind, full sun, an emissivity of 0.5 and a coefficient of solar absorption of 0.5, at sea level.



ACSS -- ALUMINUM CONDUCTOR STEEL SUPPORTED



APPLICATIONS

Bare ACSS conductors are intended for use as overhead transmission, primary or secondary distribution conductor. This conductor is designed to operate continuously at elevated temperatures, up to 250°C, without loss of strength. Also, this conductor has less sag than ACSR during increased current loading. It is self-damping if pre stretched during installation, and the final sag values are not affected by the long-term creep of the aluminum wires. ACSS conductors are ideally suited in replacement applications where increased current loading where existing tensions and clearances are required, new applications resulting in a reduction in the number of supporting structures required, and installations where aeolian vibration is an issue.

CONSTRUCTION

Annealed aluminum alloy 1350 wires concentrically stranded over a steel wire core. The steel wire core is Class A Zinc coated (Code GA2).

STANDARDS

These conductors are manufactured and tested to meet or exceed the following standards:

- ASTM B230 – Aluminum 1350–H19 Wire for Electrical Purposes
- ASTM B231 – Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B498 – Zinc-Coated (Galvanized) Steel Core Wire for Use in Overhead Electrical Conductors
- ASTM B609 – Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes
- ASTM B856 – Concentric-Lay-Stranded Aluminum Conductors, Coated Steel Supported (ACSS)

Code Word	Size (AWG or kcmil)	Stranding (Al/Stl)	Wire Diameter		Diameter		Weight			Rated Strength (lbf)	DC Resistance @ 20 deg C (ohm/1000ft)	Ampacity (A)
			Aluminum (in)	Steel (in)	Steel Core (in)	Overall (in)	Aluminum (lb/1000ft)	Steel (lb/1000ft)	Net (lb/1000ft)			
Partridge/ACSS	266.8	26/7	0.1013	0.0788	0.2364	0.642	251.3	115.6	366.9	8880	0.0633	463
Junco/ACSS	266.8	30/7	0.0943	0.0943	0.2829	0.660	251.3	165.5	416.8	11700	0.0615	468
Ostrich/ACSS	300	26/7	0.1074	0.0835	0.2505	0.680	282.5	129.8	412.3	10000	0.0551	498
Woodcock/ACSS	336.4	22/7	0.1237	0.0687	0.2061	0.701	317.1	87.8	404.9	7610	0.0495	529
Linnet/ACSS	336.4	26/7	0.1137	0.0884	0.2652	0.720	316.6	145.5	462.1	11200	0.0491	535
Oriole/ACSS	336.4	30/7	0.1059	0.1059	0.3177	0.741	317.7	208.7	526.4	14800	0.0488	541
Ptarmigan/ACSS	397.5	20/7	0.1410	0.0627	0.1881	0.752	374.5	73.2	447.7	7090	0.0421	584
Brant/ACSS	397.5	24/7	0.1287	0.0858	0.2574	0.772	374.4	137.0	511.4	11000	0.0417	591
Ibis/ACSS	397.5	26/7	0.1236	0.0961	0.2883	0.783	374.1	171.9	546.0	13000	0.0416	594
Lark/ACSS	397.5	30/7	0.1151	0.1151	0.3453	0.806	375.3	246.6	621.9	17500	0.0413	601
Tailorbird/ACSS	477	20/7	0.1544	0.0686	0.2058	0.824	449.1	87.6	536.7	8490	0.0351	655
Flicker/ACSS	477	24/7	0.1410	0.0940	0.2820	0.846	449.4	164.5	613.9	13000	0.0348	663
Hawk/ACSS	477	26/7	0.1354	0.1053	0.3159	0.858	449.0	206.4	655.4	15600	0.0346	667
Hen/ACSS	477	30/7	0.1261	0.1261	0.3783	0.883	450.4	296.0	746.4	21000	0.0344	674
Sapsucker/ACSS	556.5	22/7	0.1590	0.0883	0.2649	0.901	523.9	145.1	669.0	12600	0.0299	725
Parakeet/ACSS	556.5	24/7	0.1523	0.1015	0.3045	0.914	524.3	191.8	716.1	15200	0.0298	730
Dove/ACSS	556.5	26/7	0.1463	0.1138	0.3414	0.927	524.2	241.0	765.2	18200	0.0297	734
Eagle/ACSS	556.5	30/7	0.1362	0.1362	0.4086	0.953	525.5	345.3	870.8	24500	0.0295	743
Peacock/ACSS	605	24/7	0.1588	0.1059	0.3177	0.953	570.0	208.7	778.7	16500	0.0274	769
Squab/ACSS	605	26/7	0.1525	0.1186	0.3558	0.966	569.5	261.8	831.3	19700	0.0273	774
Wood Duck/ACSS	605	30/7	0.1420	0.1420	0.4260	0.994	571.2	375.3	946.5	26000	0.0271	783
Teal/ACSS	605	30/19	0.1420	0.0852	0.4260	0.994	571.2	367.5	938.7	26600	0.0272	782
Goldfinch/ACSS	636	22/7	0.1700	0.0944	0.2832	0.963	598.9	165.9	764.8	14100	0.0262	789



ACSS -- ALUMINUM CONDUCTOR STEEL SUPPORTED

Code Word	Size (AWG or kcmil)	Stranding (Al/Stl)	Wire Diameter		Diameter		Weight			Rated Strength (lbf)	DC Resistance @ 20 deg C (ohm/1000ft)	Ampacity (A)
			Aluminum (in)	Steel (in)	Steel Core (in)	Overall (in)	Aluminum (lb/1000ft)	Steel (lb/1000ft)	Net (lb/1000ft)			
Rook/ACSS	636	24/7	0.1628	0.1085	0.3255	0.997	599.1	219.1	818.2	17300	0.0261	793
Grosbeak/ACSS	636	26/7	0.1564	0.1216	0.3648	0.991	599.0	275.2	874.2	20700	0.0260	798
Scoter/ACSS	636	30/7	0.1456	0.1456	0.4368	1.019	600.5	394.6	995.1	27400	0.0258	807
Egret/ACSS	636	30/19	0.1456	0.0874	0.4370	1.019	600.5	386.7	987.2	28000	0.0258	807
Flamingo/ACSS	666.6	24/7	0.1667	0.1111	0.3333	1.000	628.2	229.7	857.9	18200	0.0249	817
Gannet/ACSS	666.6	26/7	0.1601	0.1245	0.3735	1.104	627.7	288.5	916.2	21700	0.0248	822
Stilt/ACSS	715.5	24/7	0.1727	0.1151	0.3453	1.036	674.2	246.6	920.8	19500	0.0232	854
Starling/ACSS	715.5	26/7	0.1659	0.1290	0.3870	1.051	647.0	309.7	983.7	23000	0.0231	859
Redwing/ACSS	715.5	30/19	0.1544	0.0926	0.4630	1.081	675.3	434.1	1109.4	30800	0.0230	869
Puffin/ACSS	795	22/7	0.1901	0.1056	0.3168	1.077	748.8	207.6	956.4	17700	0.0210	906
Cuckoo/ACSS	795	24/7	0.1820	0.1213	0.3639	1.092	748.8	273.9	1022.7	21700	0.0209	912
Drake/ACSS	795	26/7	0.1749	0.1360	0.4080	1.108	749.1	344.3	1093.4	25900	0.0208	918
Macaw/ACSS	795	6/1	0.1376	0.0764	0.2292	1.055	749.0	108.6	857.6	11800	0.0211	895
Tern/ACSS	795	45/7	0.1329	0.0886	0.2658	1.063	748.6	146.1	894.7	14200	0.0210	898
Condor/ACSS	795	54/7	0.1213	0.1213	0.3639	1.092	748.4	273.9	1022.3	21700	0.0209	900
Mallard/ACSS	795	30/19	0.1628	0.0977	0.4885	1.140	750.7	483.3	1233.9	34300	0.0207	928
Ruddy/ACSS	900	45/7	0.1414	0.0943	0.2829	1.131	847.4	165.5	1012.9	15800	0.0186	970
Canary/ACSS	900	54/7	0.1291	0.1291	0.3873	1.162	847.7	310.2	1157.9	24600	0.0184	972
Corncrake/ACSS	954	20/7	0.2184	0.0971	0.2913	1.165	898.5	175.5	1074.0	16700	0.0175	1008
Redbird/ACSS	954	24/7	0.1994	0.1329	0.3987	1.196	898.8	328.7	1227.5	26000	0.0174	1021
Rail/ACSS	954	45/7	0.1456	0.0971	0.2913	1.165	898.5	175.5	1074.0	16700	0.0175	1006
Towhee/ACSS	954	48/7	0.1410	0.1097	0.3291	1.175	898.8	224.0	1122.8	19700	0.0175	1010
Cardinal/ACSS	954	54/7	0.1329	0.1329	0.3987	1.196	898.3	328.7	1227.0	26000	0.0174	1008
Canvasback/ACSS	954	30/19	0.1783	0.1070	0.5350	1.248	900.5	579.6	1480.1	41100	0.0172	1040
Snowbird/ACSS	1033.5	42/7	0.1569	0.0872	0.2616	1.203	973.9	141.5	1115.4	15400	0.0162	1052
Ortolan/ACSS	1033.5	45/7	0.1515	0.1010	0.3030	1.212	972.8	189.9	1162.7	18100	0.0162	1056
Curlew/ACSS	1033.5	54/7	0.1383	0.1383	0.4149	1.245	972.8	356.0	1328.8	28200	0.0161	1059
Moose/ACSS	1043.3	54/7	0.1390	0.1390	0.4170	1.251	982.7	359.6	1342.3	28500	0.0159	1066
Bluejay/ACSS	1113	45/7	0.1573	0.1049	0.3147	1.258	1048.7	204.8	1253.5	19500	0.0150	1105
Finch/ACSS	1113	54/19	0.1436	0.0862	0.4310	1.292	1053.9	376.1	1430.0	30400	0.0150	1106
Bunting/ACSS	1192.5	45/7	0.1628	0.1085	0.3255	1.302	1123.4	219.1	1342.5	21400	0.0140	1153
Grackle/ACSS	1192.5	54/19	0.1486	0.0892	0.4460	1.337	1128.6	402.8	1531.4	32600	0.0140	1154
Bittern/ACSS	1272	45/7	0.1681	0.1121	0.3363	1.345	1197.7	233.9	1431.6	22300	0.0131	1199
Diver/ACSS	1272	48/7	0.1628	0.1266	0.3798	1.357	1198.3	298.3	1496.6	26200	0.0131	1204
Pheasant/ACSS	1272	54/19	0.1535	0.0921	0.4605	1.381	1204.3	429.4	1633.7	34100	0.0131	1201
Dipper/ACSS	1351.5	45/7	0.1733	0.1155	0.3465	1.386	1272.9	248.3	1521.2	23700	0.0124	1243
Martin/ACSS	1351.5	54/19	0.1582	0.0949	0.4745	1.424	1279.1	455.9	1735.0	36200	0.0123	1246
Bobolink/ACSS	1431	45/7	0.1783	0.1189	0.3567	1.427	1347.5	263.1	1610.6	25100	0.0117	1287



ACSS -- ALUMINUM CONDUCTOR STEEL SUPPORTED

Code Word	Size (AWG or kcmil)	Stranding (Al/Stl)	Wire Diameter		Diameter		Weight			Rated Strength (lbf)	DC Resistance @ 20 deg C (ohm/1000ft)	Ampacity (A)
			Aluminum (in)	Steel (in)	Steel Core (in)	Overall (in)	Aluminum (lb/1000ft)	Steel (lb/1000ft)	Net (lb/1000ft)			
Plover/ACSS	1431	54/19	0.1628	0.0977	0.4885	1.465	1354.6	483.2	1837.8	38400	0.0116	1290
Nuthatch/ACSS	1510.5	45/7	0.1832	0.1221	0.3663	1.466	1422.5	277.5	1700.0	26500	0.0111	1329
Parrot/ACSS	1510.5	54/19	0.1672	0.1003	0.5015	1.505	1428.8	509.2	1938.0	40400	0.0110	1333
Ratite/ACSS	1590	42/7	0.1946	0.1081	0.3243	1.492	1498.1	217.5	1715.6	23400	0.0105	1364
Lapwing/ACSS	1590	45/7	0.1880	0.1253	0.3759	1.504	1498.1	292.2	1790.3	27900	0.0105	1370
Falcon/ACSS	1590	54/19	0.1716	0.1030	0.5150	1.544	1505.0	537.0	2042.0	42600	0.0105	1375
Chukar/ACSS	1780	84/19	0.1456	0.0874	0.4370	1.602	1685.4	386.7	2072.1	35400	0.0094	2751
Mockingbird/ACSS	2034	72/7	0.1681	0.1121	0.3363	1.681	1925.7	233.9	2159.6	27200	0.0083	2960
Roadrunner/ACSS	2057	76/19	0.1645	0.0768	0.3840	1.700	1946.5	298.6	2245.1	31700	0.0082	2992
Bluebird/ACSS	2156	84/19	0.1602	0.0961	0.4805	1.762	2040.4	467.5	2507.9	42100	0.0078	3106
Kiwi/ACSS	2167	72/7	0.1735	0.1157	0.3471	1.735	2051.4	249.2	2300.6	29000	0.0078	3080
Thrasher/ACSS	2312	76/19	0.1744	0.0814	0.4070	1.802	2187.9	335.4	2523.3	35600	0.0073	3218
Joree/ACSS	2515	76/19	0.1819	0.0849	0.4245	1.880	2380.1	364.9	2745.0	38700	0.0067	3390

NOTES

- 1) Dimensions and weights are subject to standard manufacturing tolerances and are subject to change without notice.
- 2) Resistance is calculated using metal conductivity of 63% IACS for EC (1350) at 20°C and 8% IACS for steel at 20°C.
- 3) Ampacities are based on 75°C conductor temperature, 25°C ambient, 2 ft/s wind, full sun, an emissivity of 0.5 and a coefficient of solar absorption of 0.5, at sea level.



AAC -- ALUMINUM ALLOY CONDUCTOR



APPLICATIONS

Bare AAC conductors are intended for use as overhead primary or secondary distribution conductor. Since these conductors are all aluminum, they are designed for shorter spans and lower tensions. For longer spans or higher tension applications, consider ACSR or similar higher strength conductors.

CONSTRUCTION

Aluminum alloy 1350-H19 wires concentrically stranded.

STANDARDS

These conductors are manufactured and tested to meet or exceed the following standards:

- ASTM B230 – Aluminum 1350-H19 Wire for Electrical Purposes
- ASTM B231 – Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B400 – Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors

Code Word	Size (AWG or kcmil)	Stranding	Class	Wire Diameter (in)	Overall Diameter (in)	Cross-Sectional Area (sq in)	Weight (lb/1000 ft)	Rated Strength (lbf)	DC Resistance @ 20 deg C (ohm/1000ft)	Ampacity (A)
Peachbell	6	7	A	0.0612	0.184	0.0206	24.6	563	0.659	103
Rose	4	7	A	0.0772	0.232	0.0328	39.1	881	0.414	138
Iris	2	7	AA, A	0.0974	0.292	0.0522	62.2	1350	0.260	185
Pansy	1	7	AA, A	0.1093	0.328	0.0657	78.4	1640	0.207	214
Poppy	1/0	7	AA, A	0.1228	0.368	0.0829	98.9	1990	0.164	247
Aster	2/0	7	AA, A	0.1379	0.414	0.1045	124.8	2510	0.130	286
Phlox	3/0	7	AA, A	0.1548	0.464	0.1317	157.2	3040	0.103	331
Oxlip	4/0	7	AA, A	0.1739	0.522	0.1663	198.4	3830	0.0817	383
Sneezewort	250	7	AA	0.1890	0.567	0.1964	234.4	4520	0.0691	425
Valerian	250	19	A	0.1147	0.574	0.1963	234.3	4660	0.0691	426
Daisy	266.8	7	AA	0.1953	0.586	0.2097	250.2	4830	0.0648	443
Laurel	266.8	19	A	0.1185	0.593	0.2095	250.1	4970	0.0648	444
Peony	300	19	A	0.1257	0.629	0.2358	281.4	5480	0.0576	478
Tulip	336.4	19	A	0.1331	0.666	0.2644	315.5	6150	0.0514	513
Daffodil	350	19	A	0.1357	0.679	0.2748	327.9	6390	0.0494	526
Canna	397.5	19	AA, A	0.1447	0.724	0.3125	372.9	7110	0.0435	570
Goldentuft	450	19	AA	0.1539	0.769	0.3534	421.8	7890	0.0384	616
Cosmos	477	19	AA	0.1584	0.793	0.3744	446.8	8360	0.0362	639
Syringa	477	37	A	0.1135	0.795	0.3744	446.8	8690	0.0362	639
Zinnia	500	19	AA	0.1622	0.811	0.3926	468.5	8760	0.0346	658
Hyacinth	500	37	A	0.1162	0.813	0.3294	468.3	9110	0.0346	658
Dahlia	556.5	19	AA	0.1711	0.856	0.4369	521.4	9750	0.0311	703
Mistletoe	556.5	37	A	0.1126	0.858	0.4368	521.3	9940	0.0311	704
Meadowsweet	600	37	AA, A	0.1273	0.891	0.4709	562.0	10700	0.0288	738
Orchid	636	37	AA, A	0.1311	0.918	0.4995	596.1	11400	0.0272	765
Heuchera	650	37	AA	0.1326	0.928	0.5110	609.8	11600	0.0266	775
Verbena	700	37	AA	0.1375	0.963	0.5494	655.7	12500	0.0247	812



AAC -- ALUMINUM ALLOY CONDUCTOR

Code Word	Size (AWG or kcmil)	Stranding	Class	Wire Diameter (in)	Overall Diameter (in)	Cross-Sectional Area (sq in)	Weight (lb/1000 ft)	Rated Strength (lbf)	DC Resistance @ 20 deg C (ohm/1000f)	Ampacity (A)
Flag	700	61	A	0.1071	0.964	0.5495	655.8	12900	0.0247	812
Violet	715.5	37	AA	0.1391	0.974	0.5623	671.0	12800	0.0242	823
Nasturtium	715.5	61	A	0.1083	0.975	0.5619	670.6	13100	0.0242	823
Petunia	750	37	AA	0.1424	0.997	0.5893	703.2	13100	0.0230	847
Cattail	750	61	A	0.1109	0.998	0.5892	703.2	13500	0.0230	847
Arbutus	795	37	AA	0.1466	1.026	0.6245	745.3	13900	0.0217	878
Lilac	795	61	A	0.1142	1.028	0.6248	745.7	14300	0.0217	879
Cockscomb	900	37	AA	0.1560	1.092	0.7072	844.0	16400	0.0192	948
Snapdragon	900	61	A	0.1215	1.094	0.7072	844.0	15900	0.0192	948
Magnolia	954	37	AA	0.1606	1.124	0.7495	894.5	16400	0.0181	982
Goldenrod	954	61	A	0.1251	1.126	0.7498	894.8	16900	0.0181	983
Hawkweed	1000	37	AA	0.1644	1.150	0.7854	937.3	17200	0.0173	1010
Camellia	1000	61	A	0.1280	1.152	0.7849	936.8	17700	0.0173	1011
Bluebell	1033.5	37	AA	0.1671	1.170	0.8114	968.3	17700	0.0167	1031
Larkspur	1033.5	61	A	0.1302	1.172	0.8112	969.2	18300	0.0167	1032
Marigold	1113	61	AA, A	0.1351	1.216	0.8744	1044	19700	0.0155	1079
Hawthorn	1192.5	61	AA, A	0.1398	1.258	0.9363	1117	21100	0.0145	1124
Narcissus	1272	61	AA, A	0.1444	1.300	0.9990	1192	22000	0.0136	1169
Columbine	1351.5	61	AA, A	0.1488	1.340	1.0608	1266	23400	0.0128	1212
Carnation	1431	61	AA, A	0.1532	1.379	1.1244	1342	24300	0.0121	1253
Gladiolus	1510.5	61	AA, A	0.1574	1.417	1.1869	1417	25600	0.0114	1294
Coreopsis	1590	61	AA	0.1614	1.454	1.2480	1489	27000	0.0109	1333
Jessamine	1750	61	AA	0.1694	1.525	1.3748	1641	29700	0.00989	1408
Cowslip	2000	91	A	0.1482	1.630	1.5697	1873	34200	0.00864	1518
Sagebrush	2250	91	A	0.1572	1.729	1.7662	2128	37700	0.00777	1612
Lupine	2500	91	A	0.1657	1.823	1.9623	2365	41900	0.00699	1706
Bitterroot	2750	91	A	0.1738	1.913	2.1589	2602	46100	0.00634	1793
Trillium	3000	127	A	0.1537	1.996	2.3564	2840	50300	0.00581	1874
Bluebonnet	3500	127	A	0.1660	2.158	2.7486	3345	58700	0.00498	2014



AAAC -- ALUMINUM ALLOY 6201 CONDUCTOR



APPLICATIONS

Bare AAAC conductors are intended for use as overhead primary or secondary distribution conductor. Since these conductors are manufactured with high strength aluminum, they are designed for longer spans and lower sag as compared to AAC (with 1350 aluminum). Abrasion resistance is also improved as compared to AAC since AAAC uses a harder aluminum alloy. This type of conductor is suitable for installation in saltwater environments due to the improved corrosion resistance. The DC resistance of an AAAC conductor is approximately the same as for an ACSR conductor of the same diameter.

CONSTRUCTION

Aluminum alloy 6201-T81 high strength wires concentrically stranded.

STANDARDS

These conductors are manufactured and tested to meet or exceed the following standards:

- ASTM B398 – Aluminum-Alloy 6201-T81 and 6201-T83 Wire for Electrical Purposes
- ASTM B399 – Concentric-Lay-Stranded Aluminum-Alloy 6201-T81 Conductors

Code Word	Size (kcmil)	Stranding	ACSR of Equivalent Diameter		Wire Diameter (in)	Overall Diameter (in)	Cross-Sectional Area (sq in)	Weight (lb/1000 ft)	Rated Strength (lbf)	DC Resistance @ 20 deg C (ohm/1000ft)	Ampacity (A)
			Size (AWG or kcmil)	Stranding (Al/St)							
Akron	30.58	7	6	6/1	0.0661	0.198	0.0240	28.5	1110	0.659	107
Alton	48.69	7	4	6/1	0.0834	0.250	0.0382	45.4	1760	0.414	143
Ames	77.47	7	2	6/1	0.1052	0.316	0.0608	72.2	2800	0.260	191
Azusa	123.3	7	1/0	6/1	0.1327	0.398	0.0968	114.9	4270	0.163	256
Anaheim	155.4	7	2/0	6/1	0.1490	0.447	0.1221	144.9	5390	0.130	296
Amherst	195.7	7	3/0	6/1	0.1672	0.502	0.1537	182.5	6790	0.103	342
Alliance	246.9	7	4/0	6/1	0.1878	0.563	0.9139	230.2	8560	0.0816	395
Butte	312.8	19	266.8	26/7	0.1283	0.642	0.2456	291.6	10500	0.0644	460
Canton	394.5	19	336.4	26/7	0.1441	0.721	0.3098	367.9	13300	0.0511	533
Cairo	465.4	19	397.5	26/7	0.1565	0.783	0.3655	433.9	15600	0.0433	590
Darien	559.5	19	477	26/7	0.1716	0.858	0.4394	521.7	18800	0.0360	663
Elgin	652.4	19	556.5	26/7	0.1853	0.927	0.5124	608.3	21900	0.0309	729
Flint	740.8	37	636	26/7	0.1415	0.991	0.5818	690.8	24400	0.0272	790
Greeley	927.2	37	795	26/7	0.1583	1.108	0.7282	864.6	30500	0.0217	908

NOTES

- 1) Dimensions and weights are subject to standard manufacturing tolerances and are subject to change without notice.
- 2) Resistance is calculated using metal conductivity of 52.5% IACS for 6201.
- 3) Ampacities are based on 75°C conductor temperature, 25°C ambient, 2 ft/s wind, full sun, an emissivity of 0.5 and a coefficient of solar absorption of 0.5, at sea level.



BARE SOLID SOFT-DRAWN ALUMINUM TIE WIRE



APPLICATIONS

Bare solid soft-drawn aluminum tie wire is generally used to secure a bare overhead conductor to a pin type insulator.

CONSTRUCTION

Bare annealed solid aluminum alloy 1350-O.

STANDARDS

These tie wires are manufactured and tested to meet or exceed the following standards:

- ASTM B230 – Aluminum 1350–H19 Wire for Electrical Purposes

Item Number	Size (AWG)	Diameter (in)	Weight (lb/1000 ft)
A6S-01TW	6	0.162	24.2
A4S-01TW	4	0.204	38.4
A2S-01TW	2	0.258	61.1



SOOW Copper 600V



APPLICATIONS

Classic Wire Type SOOW cords are suitable for indoor and outdoor use and are resistant to the effects of weather, water, and sunlight. For small motors and associated machinery, portable tools and equipment.

CONSTRUCTION

Conductors: Flexible fine stranded conductors.

Insulation: Heat, moisture and oil resistant EPDM rubber insulation.

Assembly: The insulated conductors are cabled with non-wicking wax paper fillers, with a tissue-paper separator wrapped around the assembly to promote easier removal of the jacket.

Jacket: A heat, moisture and oil resistant flexible CPE jacket is extruded over the assembly to complete the construction.

CONDUCTOR IDENTIFICATION

2 Conductors: White, black

3 Conductors: White, black, green

4 Conductors: White, black, red, green

5 Conductors: White, black, red, orange, green

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry or Wet

90°C

MINIMUM BENDING RADIUS

Not Under Tension:

4x outer diameter

Under Tension (During Pull):

6x outer diameter

RATINGS AND MARKINGS

Marked VW-1

Marked FT2

RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- UL 62 & CSA C22.2 No. 49 – Flexible Cords and Cables

LISTINGS AND CERTIFICATIONS

UL listed and marked

Item Number	Number of Insulated Conductors	Conductor			Thickness		Overall Diameter (in)	Weight	
		Size (AWG)	Strands	Diameter (in)	Insulation (in)	Jacket (in)		Cu (lb/1000 ft)	Net (lb/1000 ft)
18-02S000	2	18	16	0.047	0.030	0.060	0.339	10	68
18-03S000	3	18	16	0.047	0.030	0.060	0.357	15	79
18-04S000	4	18	16	0.047	0.030	0.060	0.386	20	94
18-05S000	5	18	16	0.047	0.030	0.080	0.456	25	129
18-06S000	6	18	16	0.047	0.030	0.080	0.489	30	149
18-07S000	7	18	16	0.047	0.030	0.080	0.489	35	154
18-08S000	8	18	16	0.047	0.030	0.080	0.522	40	175
18-09S000	9	18	16	0.047	0.030	0.080	0.577	45	211
18-10S000	10	18	16	0.047	0.030	0.080	0.599	50	228
18-12S000	12	18	16	0.047	0.030	0.080	0.617	60	248
18-14S000	14	18	16	0.047	0.030	0.080	0.645	70	276
18-16S000	16	18	16	0.047	0.030	0.095	0.706	80	327
18-18S000	18	18	16	0.047	0.030	0.095	0.739	90	360
18-20S000	20	18	16	0.047	0.030	0.095	0.739	100	369
18-24S000	24	18	16	0.047	0.030	0.095	0.849	120	476
18-27S000	27	18	16	0.047	0.030	0.095	0.866	135	505
18-30S000	30	18	16	0.047	0.030	0.095	0.895	150	544
18-36S000	36	18	16	0.047	0.030	0.100	0.969	180	641
18-50S000	50	18	16	0.047	0.030	0.110	1.120	249	866
16-02S000	2	16	26	0.060	0.030	0.060	0.365	16	82



SOOW Copper 600V

Item Number	Number of Insulated Conductors	Conductor			Thickness		Overall Diameter (in)	Weight	
		Size (AWG)	Strands	Diameter (in)	Insulation (in)	Jacket (in)		Cu (lb/1000 ft)	Net (lb/1000 ft)
16-03S000	3	16	26	0.060	0.030	0.060	0.385	24	97
16-04S000	4	16	26	0.060	0.030	0.060	0.417	32	117
16-05S000	5	16	26	0.060	0.030	0.080	0.491	41	158
16-06S000	6	16	26	0.060	0.030	0.080	0.528	49	185
16-07S000	7	16	26	0.060	0.030	0.080	0.528	57	192
16-08S000	8	16	26	0.060	0.030	0.080	0.565	65	219
16-09S000	9	16	26	0.060	0.030	0.080	0.627	73	263
16-10S000	10	16	26	0.060	0.030	0.080	0.651	81	286
16-12S000	12	16	26	0.060	0.030	0.095	0.701	97	335
16-14S000	14	16	26	0.060	0.030	0.095	0.733	114	372
16-16S000	16	16	26	0.060	0.030	0.080	0.767	130	412
16-18S000	18	16	26	0.060	0.030	0.095	0.804	146	456
16-20S000	20	16	26	0.060	0.030	0.095	0.804	162	470
16-24S000	24	16	26	0.060	0.030	0.095	0.927	195	606
16-27S000	27	16	26	0.060	0.030	0.110	0.976	219	676
16-30S000	30	16	26	0.060	0.030	0.110	1.008	243	729
16-36S000	36	16	26	0.060	0.030	1.110	1.080	292	847
16-50S000	50	16	26	0.060	0.030	0.125	1.258	405	1157
14-02S000	2	14	41	0.075	0.045	0.075	0.474	26	137
14-03S000	3	14	41	0.075	0.045	0.075	0.500	38	161
14-04S000	4	14	41	0.075	0.045	0.075	0.542	51	194
14-05S000	5	14	41	0.075	0.045	0.095	0.627	64	255
14-06S000	6	14	41	0.075	0.045	0.095	0.675	77	299
14-07S000	7	14	41	0.075	0.045	0.095	0.675	90	310
14-08S000	8	14	41	0.075	0.045	0.095	0.724	102	355
14-09S000	9	14	41	0.075	0.045	0.095	0.805	115	429
14-10S000	10	14	41	0.075	0.045	0.095	0.837	128	468
14-12S000	12	14	41	0.075	0.045	0.095	0.863	153	512
14-14S000	14	14	41	0.075	0.045	0.095	0.905	179	572
14-16S000	16	14	41	0.075	0.045	0.110	0.980	205	666
14-18S000	18	14	41	0.075	0.045	0.110	1.029	230	738
14-20S000	20	14	41	0.075	0.045	0.110	1.029	256	760
14-24S000	24	14	41	0.075	0.045	0.110	1.191	307	987
14-27S000	27	14	41	0.075	0.045	0.125	1.247	345	1091
14-30S000	30	14	41	0.075	0.045	0.125	1.289	384	1178
14-36S000	36	14	41	0.075	0.045	0.125	1.383	460	1372
14-50S000	50	14	41	0.075	0.045	0.125	1.577	639	1819
12-02S000	2	12	65	0.090	0.045	0.090	0.534	41	180



SOOW Copper 600V

Item Number	Number of Insulated Conductors	Conductor			Thickness		Overall Diameter (in)	Weight	
		Size (AWG)	Strands	Diameter (in)	Insulation (in)	Jacket (in)		Cu (lb/1000 ft)	Net (lb/1000 ft)
12-03S000	3	12	65	0.090	0.045	0.090	0.562	61	213
12-04S000	4	12	65	0.090	0.045	0.090	0.608	81	258
12-05S000	5	12	65	0.090	0.045	0.095	0.667	101	314
12-06S000	6	12	65	0.090	0.045	0.095	0.720	122	369
12-07S000	7	12	65	0.090	0.045	0.095	0.720	142	386
12-08S000	8	12	65	0.090	0.045	0.095	0.773	162	444
12-09S000	9	12	65	0.090	0.045	0.095	0.861	182	535
12-10S000	10	12	65	0.090	0.045	0.095	0.897	203	584
12-12S000	12	12	65	0.090	0.045	0.110	0.955	243	674
12-14S000	14	12	65	0.090	0.045	0.110	1.001	284	754
12-16S000	16	12	65	0.090	0.045	0.110	1.051	324	841
12-18S000	18	12	65	0.090	0.045	0.110	1.104	365	933
12-20S000	20	12	65	0.090	0.045	0.110	1.104	405	968
12-24S000	24	12	65	0.090	0.045	0.125	1.311	486	1293
12-27S000	27	12	65	0.090	0.045	0.125	1.339	547	1383
12-30S000	30	12	65	0.090	0.045	0.125	1.385	608	1499
12-36S000	36	12	65	0.090	0.045	0.125	1.488	730	1754
12-50S000	50	12	65	0.090	0.045	0.140	1.730	1013	2394
10-02S000	2	10	104	0.120	0.045	0.090	0.594	65	233
10-03S000	3	10	104	0.120	0.045	0.090	0.627	97	280
10-04S000	4	10	104	0.120	0.045	0.090	0.681	130	342
10-05S000	5	10	104	0.120	0.045	0.095	0.748	162	418
10-06S000	6	10	104	0.120	0.045	0.095	0.810	195	494
10-07S000	7	10	104	0.120	0.045	0.095	0.810	227	520
10-08S000	8	10	104	0.120	0.045	0.095	0.872	259	600
10-09S000	9	10	104	0.120	0.045	0.110	1.005	292	754
10-10S000	10	10	104	0.120	0.045	0.110	1.046	324	824
10-12S000	12	10	104	0.120	0.045	0.110	1.080	389	913
10-14S000	14	10	104	0.120	0.045	0.110	1.133	454	1027
10-16S000	16	10	104	0.120	0.045	0.110	1.191	519	1148
10-18S000	18	10	104	0.120	0.045	0.125	1.284	584	1319
10-20S000	20	10	104	0.120	0.045	0.125	1.284	649	1372
10-24S000	24	10	104	0.120	0.045	0.125	1.491	778	1770
10-27S000	27	10	104	0.120	0.045	0.125	1.524	876	1091
10-30S000	30	10	104	0.120	0.045	0.125	1.577	973	2065
8-02S000	2	8	133	0.158	0.050	0.090	0.702	106	336
8-03S000	3	8	133	0.158	0.050	0.090	0.743	159	409
8-04S000	4	8	133	0.158	0.050	0.090	0.811	212	504



SOOW Copper 600V

Item Number	Number of Insulated Conductors	Conductor			Thickness		Overall Diameter (in)	Weight	
		Size (AWG)	Strands	Diameter (in)	Insulation (in)	Jacket (in)		Cu (lb/1000 ft)	Net (lb/1000 ft)
8-05S000	5	8	133	0.158	0.050	0.090	0.884	265	610
6-02S000	2	6	133	0.199	0.050	0.090	0.783	168	445
6-03S000	3	6	133	0.199	0.050	0.125	0.901	251	612
6-04S000	4	6	133	0.199	0.050	0.140	1.009	335	784
6-05S000	5	6	133	0.199	0.050	0.140	1.094	419	940
4-02S000	2	4	133	0.243	0.050	0.140	0.970	249	675
4-03S000	3	4	133	0.243	0.050	0.140	1.025	373	828
4-04S000	4	4	133	0.243	0.050	0.155	1.145	498	1058
4-05S000	5	4	133	0.243	0.050	0.155	1.241	622	1273
2-02S000	2	2	133	0.317	0.055	0.155	1.164	424	1020
2-03S000	3	2	133	0.317	0.055	0.155	1.232	635	1268
2-04S000	4	2	133	0.317	0.055	0.170	1.373	847	1619
2-05S000	5	2	133	0.317	0.055	0.170	1.492	1059	1958



SJOOW Copper 300V



APPLICATIONS

Classic Wire Type SJOOW cords are suitable for indoor and outdoor use and are resistant to the effects of weather, water, and sunlight. For small motors and associated machinery, portable tools and equipment.

CONSTRUCTION

Conductors: Flexible fine stranded conductors.

Insulation: Heat, moisture and oil resistant EPDM rubber insulation.

Assembly: The insulated conductors are cabled with non-wicking wax paper fillers, with a tissue-paper separator wrapped around the assembly to promote easier removal of the jacket.

Jacket: A heat, moisture and oil resistant flexible CPE jacket is extruded over the assembly to complete the construction.

CONDUCTOR IDENTIFICATION

2 Conductors: White, black

3 Conductors: White, black, green

4 Conductors: White, black, red, green

5 Conductors: White, black, red, orange, green

VOLTAGE RATING: 300 V

TEMPERATURE RATING

Dry or Wet

90°C

MINIMUM BENDING RADIUS

Not Under Tension:

4x outer diameter

Under Tension (During Pull):

6x outer diameter

RATINGS AND MARKINGS

Marked VW-1

Marked FT2

RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- UL 62 & CSA C22.2 No. 49 – Flexible Cords and Cables

LISTINGS AND CERTIFICATIONS

UL listed and marked

Item Number	Number of Insulated Conductors	Conductor			Thickness		Overall Diameter (in)	Weight	
		Size (AWG)	Strands	Diameter (in)	Insulation (in)	Jacket (in)		Cu (lb/1000 ft)	Net (lb/1000 ft)
18-02J000	2	18	16	0.047	0.030	0.030	0.311	10	58
18-03J000	3	18	16	0.047	0.030	0.030	0.329	15	69
18-04J000	4	18	16	0.047	0.030	0.030	0.357	20	83
18-05J000	5	18	16	0.047	0.030	0.030	0.388	25	99
16-02J000	2	16	26	0.061	0.030	0.030	0.340	16	73
16-03J000	3	16	26	0.061	0.030	0.030	0.360	24	87
16-04J000	4	16	26	0.061	0.030	0.030	0.392	32	106
16-05J000	5	16	26	0.061	0.030	0.030	0.427	41	128
14-02J000	2	14	41	0.080	0.030	0.030	0.377	26	93
14-03J000	3	14	41	0.080	0.030	0.030	0.400	38	113
14-04J000	4	14	41	0.080	0.030	0.030	0.437	51	139
14-05J000	5	14	41	0.080	0.030	0.030	0.477	64	168
12-02J000	2	12	65	0.092	0.030	0.045	0.431	41	129
12-03J000	3	12	65	0.092	0.030	0.045	0.456	61	157
12-04J000	4	12	65	0.092	0.030	0.045	0.497	81	193
12-05J000	5	12	65	0.092	0.030	0.045	0.540	101	233
10-02J000	2	10	104	0.120	0.045	0.060	0.571	65	220
10-03J000	3	10	104	0.120	0.045	0.060	0.640	97	266
10-04J000	4	10	104	0.120	0.045	0.060	0.659	130	328
10-05J000	5	10	104	0.120	0.045	0.060	0.718	162	396