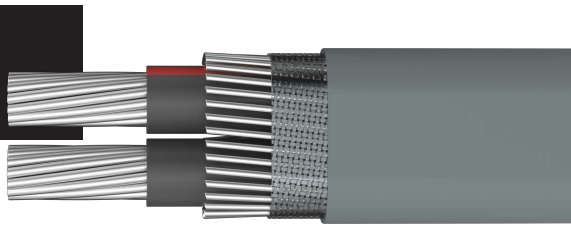
UL Type SE Style U, Aluminum UL Type XHHW-2 Conductors, 90°C Dry or Wet, Rated 600 V



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-2.
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	90ºC

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

CLASSIC WIRE & CABLE
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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.

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