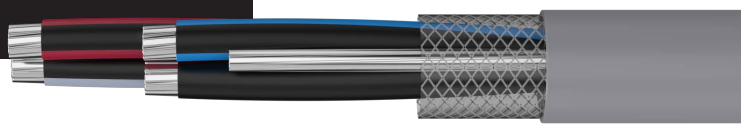
UL Type SE Style R, Aluminum UL Type XHHW Conductors, 90°C Dry or Wet, Rated 600 V



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

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

CLASSIC WIRE & CABLE
www.classicwire.com

2480 N. Landing Street, Suite 109
Virginia Beach, VA 23456
TF: 800-298-3500
sales@classicwire.com

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.

2480 N. Landing Street, Suite 109
Virginia Beach, VA 23456
TF: 800-298-3500
sales@classicwire.com