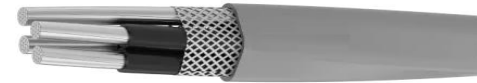




**UL 854 - SER (Type SE Style R), 600V
Service Entrance Cable – ALUMINUM**



Under Listing



APPLICATION

Dynamic Cables' SER is used to deliver power from the service drop to the meter and distribution panel, and for feeders or branch circuits in residential buildings 2-3-4 insulated conductors and a bare neutral conductor, wrapped in glass-reinforced tape with a gray, sunlight-resistant PVC jacket.. It is rated 600V, approved for above-ground use, and operates up to 90°C in wet or dry locations, per NEC Articles 215, 225, 230, and 338.

ASSEMBLY

Two, Three, or Four insulated aluminum conductors cabled together
Stranded bare aluminum ground/neutral conductor included in the cable core
Conductors wrapped with glass-reinforced binder tape
Overall jacket made of sunlight-resistant gray PVC

Conductor

Aluminum - Aluminum AA-8000 series alloy compacted conductor, Class B stranding as per ASTM B800, B801.

Insulation

Cross Linked Polyethylene (XLPE) Type XHHW-2/USE-2
High Heat, Moisture & Abrasion Resistant

Jacket

Sunlight Resistant Grey PVC.

FEATURES

- Sunlight Resistance
- Flame Test Rated
- CT Rated for 1/0 AWG and larger

STANDARD & REFERENCES

- UL 854, UL 44, UL 2556
- ASTM B-800, B-801
- Federal Specification J-C-30B
- National Electrical Code (NEC)

Footage Marking & Printing Legend **

ALUMINUM SER (TYPE SE STYLE R) 2 CONDUCTORS WITH BARE NEUTRAL CONDUCTOR, PVC JACKET											
Conductor Size (AWG/kcmil)	Insulated Conductor			Bare Conductor		Insulation Nominal thickness (mils)	Jacket Nominal thickness (mils)	Overall Diameter (Inches)	Net Weight (lbs/1000ft)	Max DC Resistance @ 20°C (Ω/1000ft.)	Ampacity * at 90°C
	No. of Conductor	No of Strands	Size (Inches)	Size (AWG/kcmil)	Number of Strands						
8-8-8	2 x 8	7	0.128	8	7	45	30	0.51	100	1.07	45
6-6-6	2 x 6	7	0.162	6	7	45	30	0.64	147	0.674	55
4-4-6	2 x 4	7	0.205	6	7	45	30	0.75	206	0.424	75
4-4-4	2 x 4	7	0.205	4	7	45	30	0.76	220	0.424	75
2-2-4	2 x 2	7	0.257	4	7	45	30	0.77	277	0.267	100
2-2-2	2 x 2	7	0.257	2	7	55	30	0.80	290	0.267	100
1-1-1	2 x 1	19	0.289	1	19	55	30	0.89	356	0.211	115
1/0-1/0-2	2 x 1/0	19	0.325	2	7	55	30	0.92	388	0.168	135
1/0-1/0-1/0	2 x 1/0	19	0.325	1/0	19	55	30	0.97	419	0.168	135
2/0-2/0-1	2 x 2/0	19	0.365	1	19	55	30	1.14	524	0.133	150
2/0-2/0-2/0	2 x 2/0	19	0.365	2/0	19	55	30	1.15	536	0.133	150
4/0-4/0-2/0	2 x 4/0	19	0.46	2/0	19	55	30	1.35	712	0.0836	205
4/0-4/0-4/0	2 x 4/0	19	0.46	4/0	19	55	30	1.36	792	0.0836	205

Notes : All values are nominal and subject to correction based on actual design.

COLORS : 2 Wires : Black, Black/Red, 3 Wires : Black, Black/Red, Black/White, 4 Wires : Black, Black/Red, Black/White, Black/Blue. Other color combinations upon request.

REEL - Available in 500, 1000, 2500, 5000 ft. reels.

*Ampacity of Conductor are based on NEC (NFPA 70).

****Printing Legend** – DYNAMIC CABLES SE Style R 90°C WET/DRY SIZE AWG/KCMIL COMPACT ALUMINUM AA-8000 2/3/4 CONDUCTORS WITH NEUTRAL 600 V SUN RES MONTH/YEAR.





UL 854 - SER (Type SE Style R), 600V Service Entrance Cable – ALUMINUM



Under Listing

ALUMINUM SER (TYPE SE STYLE R) 3 CONDUCTORS WITH BARE NEUTRAL CONDUCTOR, PVC JACKET,											
Conductor Size (AWG/kcmil)	Insulated Conductor			Bare Conductor		Insulation Nominal Thickness (mils)	Jacket Min average Thickness (mils)	Overall Diameter (Inches)	Net Weight (lbs./1000ft.)	Max DC Resistance @ 20°C (Ω/1000ft.)	Ampacity * at 90°C
	No. of Conductor	No of Strands	Size (Inches)	Size AWG/kcmil	Number of Strands						
8-8-8-8	3 x 8	7	0.128	8	7	45	30	0.59	135	1.07	45
6-6-6-6	3 x 6	7	0.162	6	7	45	30	0.71	198	0.674	55
4-4-4-6	3 x 4	7	0.204	6	7	45	30	0.82	256	0.424	65
2-2-2-4	3 x 2	7	0.257	4	7	45	30	0.96	362	0.267	100
1-1-1-3	3 x 1	19	0.289	3	7	55	30	1.08	451	0.211	115
1/0-1/0-1/0-2	3 x 1/0	19	0.325	2	7	55	30	1.16	550	0.168	135
2/0-2/0-2/0-1	3 x 2/0	19	0.364	1	19	55	30	1.26	653	0.133	150
3/0-3/0-3/0-1/0	3 x 3/0	19	0.409	1/0	19	55	30	1.36	791	0.106	175
4/0-4/0-4/0-2/0	3 x 4/0	19	0.459	2/0	19	55	30	1.48	966	0.0836	205
250-250-250-3/0	3 x 250	37	0.535	3/0	19	65	30	1.64	1192	0.0708	230
300-300-300-4/0	3 x 300	37	0.582	4/0	19	65	30	1.75	1321	0.059	260

ALUMINUM SER (TYPE SE STYLE R) 4 CONDUCTORS WITH BARE NEUTRAL CONDUCTOR, PVC JACKET											
Conductor Size AWG/ kcmil	Insulated Conductor			Bare Conductor		Insulation Nominal thickness (mils)	Jacket Nominal thickness (mils)	Overall Diameter inches	Net Weight lbs/1000ft	Max DC Resistance @ 20°C (Ω/1000ft)	Ampacity * at 90°C
	No. of Conductor	No of Strands	Size Inches	Size AWG/kcmil	Number of Strands						
6-6-6-6-6	4 x 6	7	0.162	6	7	45	30	0.72	226	0.674	55
4-4-4-4-6	4 x 4	7	0.204	6	7	45	30	0.85	332	0.424	75
2-2-2-2-4	4 x 2	7	0.257	4	7	45	30	1.06	456	0.267	100
1-1-1-1-3	4 x 1	19	0.289	3	7	55	30	1.11	572	0.211	115
1/0-1/0-1/0-1/0-2	4 x 1/0	19	0.325	2	7	55	30	1.22	705	0.168	135
2/0-2/0-2/0-2/0-1	4 x 2/0	19	0.364	1	19	55	30	1.40	831	0.133	150
3/0-3/0-3/0-3/0-1/0	4 x 3/0	19	0.409	1/0	19	55	30	1.44	1026	0.106	175
4/0-4/0-4/0-4/0-2/0	4 x 4/0	19	0.459	2/0	19	55	30	1.66	1233	0.0836	205
250-250-250-250-3/0	4 x 250	37	0.535	3/0	19	65	30	1.82	1502	0.0708	230

Notes : All values are nominal and subject to correction based on actual design.

COLORS : 2 Wires : Black, Black/Red, 3 Wires : Black, Black/Red, Black/White, 4 Wires : Black, Black/Red, Black/White, Black/Blue.

Other color combinations upon request.

REEL - Available in 500, 1000, 2500, 5000 ft. reels.

*Ampacity of Conductor are based on NEC (NFPA 70).

****Printing Legend** – DYNAMIC CABLES SE Style R 90°C WET/DRY SIZE AWG/KCMIL COMPACT ALUMINUM AA-8000
2/3/4 CONDUCTORS WITH NEUTRAL 600 V SUN RES MONTH/YEAR.



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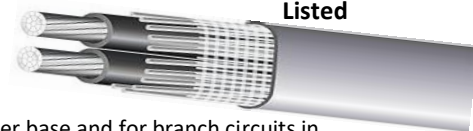
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**UL 854 - SEU (TYPE SE, STYLE U), 600 V
SERVICE-ENTRANCE CABLES – ALUMINUM
File Number E544332**



APPLICATION

Dynamic cables' SEU is primarily used for overhead service entrance from the utility pole to the meter base and for branch circuits in residential or commercial applications. Its flat profile allows easy installation along building surfaces. Rated 600 volts and suitable for wet or dry locations at temperatures up to 90°C.

ASSEMBLY

Phase Conductors with a concentric neutral conductor wrapped in a Glass – reinforced tape , overall PVC Jacket

Conductor

Aluminum - Aluminum AA-8000 series alloy compacted conductor, Class B stranding as per ASTM B800.

Insulation

Low Coefficient of friction, Abrasion, Moisture, & Heat Resistant
Thermoset cross-linked polyethylene (XLPE) Type XHHW-2./RHW-2/USE-2.

Jacket

Sunlight resistance Grey Polyvinyl Chloride (PVC)

FEATURES

- Sunlight Resistance
- Flame Test Rated
- CT Rated for 1/0 AWG and larger

STANDARD & REFERENCES

- UL 44, UL 854, UL 2556
- ASTM B800, B801, ASTM B 836
- National Electrical Code(NEC)
- ICEA S-95-658

Footage Marking & Printing Legend*

Conductor Size (AWG/kcmil)	Insulated Conductor			Bare Conductor Size (AWG/kcmil)	Insulation Thickness Nominal (mils)	Jacket Thickness Nominal (mils)	Overall Size (Inches)	Net Weight (lbs./1000ft.)	Max DC Resistance @ 20°C (Ω/1000ft.)	Ampacity * at 90°C
	No. of Conductor	No of Strands	Size Inches							
8-8-8	2 x 8	7	0.128	8	45	30	0.40 x 0.59	108	1.070	45
6-6-8	2 x 6	7	0.162	8	45	30	0.42 x 0.66	135	0.674	55
6-6-6	2 x 6	7	0.162	6	45	30	0.43 x 0.68	145	0.674	55
4-4-6	2 x 4	7	0.205	6	45	30	0.48 x 0.79	190	0.424	75
4-4-4	2 x 4	7	0.205	4	45	30	0.50 x 0.80	205	0.424	75
2-2-4	2 x 2	7	0.257	4	45	30	0.57 x 0.92	265	0.267	100
2-2-2	2 x 2	7	0.257	2	55	30	0.59 x 0.95	290	0.267	100
1-1-1	2 x 1	19	0.289	1	55	30	0.65 x 1.07	370	0.211	115
1/0-1/0-2	2 x 1/0	19	0.325	2	55	30	0.66 x 1.10	400	0.168	135
1/0-1/0-1/0	2 x 1/0	19	0.325	1/0	55	30	0.69 x 1.14	439	0.168	135
2/0-2/0-1	2 x 2/0	19	0.365	1	55	30	0.72 x 1.20	480	0.133	150
2/0-2/0-2/0	2 x 2/0	19	0.365	2/0	55	30	0.74 x 1.22	520	0.133	150
4/0-4/0-2/0	2 x 4/0	19	0.46	2/0	55	30	0.88 x 1.47	700	0.0836	205
4/0-4/0-4/0	2 x 4/0	19	0.46	4/0	55	30	0.89 x 1.48	770	0.0836	205

Notes : All values are nominal and subject to correction based on actual design.

COLORS - Black, Black/Red stripe. Other color combinations upon request.

REEL - Available in 500, 1000, 2500, 5000 ft. reels.

*Ampacity of Conductor are based on NEC (NFPA 70).

****Printing Legend** – DYNAMIC CABLES SE Style U SIZE 90°C WET/DRY AWG/KCMIL COMPACT ALUMINUM AA-8000 600 V SUN RES MONTH/YEAR.

Dynamic Cables Limited

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**MOBILE HOME FEEDER RATED 600 V – ALUMINUM
TYPE USE-2/RHH/RHW-2**



APPLICATION

Dynamic Cables’ Quadruplex type Mobile Home Feeder is designed to supply power from the electrical disconnect to the distribution panel board in mobile home installations. It is suitable for permanent locations and mobile home parks. The cable is rated for 600/1000 V and for use at conductor temperatures up to 90°C in wet or dry conditions. Complies with UL standards and NEC requirements.

ASSEMBLY

The cable is composed of two insulated phase conductors, one insulated neutral conductor, and one insulated grounding conductor. All conductors are twisted without an overall jacket

Conductor

Aluminum - Aluminum AA-8000 series alloy compacted conductor, Class B stranding as per ASTM B800.

Insulation

Sunlight resistant cross linked polyethylene (XLP) Type RHH/RHW-2/USE-2 rated for a maximum operation temperature of 90°C in wet and dry locations.

Footage Marking & Printing Legend**

FEATURES

- Triple Rated USE-2/RHH/RHW-2
- Oil & Gasoline Resistance
- Sunlight Resistance
- RoHS Compliant
- Flexibility tests at -40°C

STANDARD & REFERENCES

- UL 44, UL 854, UL 2556
- ASTM B800, B801, B836
- National Electrical Code(NEC) -Art. 550
- ICEA S-95-658

Conductor Sizes (AWG)	Phase Conductor			Neutral conductor			Ground conductor			Finished cable		Allowable Ampacity 75°C	Allowable Ampacity 90°C
	Size (AWG)	No. of Strands	XLPE Thickness (mils)	Size (AWG)	No. of Strands	XLPE Thickness (mils)	Size (AWG)	No. of Strands	XLPE Thickness (mils)	Outside Diameter (mils)	Approximate Net Weight (lbs./1000 ft.)		
2-2-4-6	2	7	60	4	7	60	6	6	60	950	298	90	100
2-2-2-4	2	7	60	2	7	60	4	6	60	950	347	90	100
2/0-2/0-1-4	2/0	12	80	1	8	80	4	6	60	1308	550	135	150
2/0-2/0-2/0-1	2/0	12	80	2/0	12	80	1	7	80	1308	665	135	150
4/0-4/0-2/0-4	4/0	19	80	2/0	12	80	4	6	60	1550	780	180	205
4/0-4/0-4/0-2/0	4/0	19	80	4/0	19	80	2/0	12	80	1550	1020	180	205

Notes : All values are nominal and subject to correction based on actual design.

COLORS – Phase : Black, Black/Red, Neutral : Black/White, Ground : Solid Green. Other color combinations upon request.

REEL - Available in 500, 1000, 2500, 5000 ft. reels.

*Ampacity of Conductor are based on NEC (NFPA 70).

****Printing Legend** – DYNAMIC CABLES MOBILE HOME FEEDER USE-2 RHH RHW-2 90°C WET/DRY SIZE AWG/KCMIL COMPACT ALUMINUM 8000 600/1000 V SUN RES MONTH/YEAR.

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