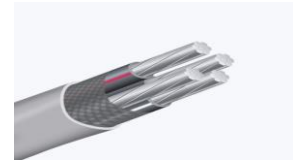




## Aluminum Service Entrance Cable Type SE Style R (SER), 600 V 90°C



**Standard:**

- UL 44
- UL 854
- National Electrical Code
- ASTM B-258, B-800, B-801

**Application:**

Aluminum SER cable is primarily used as panel feeder in multiple unit dwellings and for branch circuits. Maximum operating temperature is not to exceed 90°C in wet or dry locations. Voltage rating is 600 volts.

**Description:**

Two, three or four insulated conductors and a bare ground conductor cabled together and covered with a reinforced binder tape

**Insulation:**

Type XHHW-2 cross-linked polyethylene

**Conductors:**

8000 series aluminum alloy, solid or compact

**Jacket:**

Gray sunlight resistant polyvinyl chloride

Cable Code	Insulated Conductor		Bare Conductor		Nom. Overall Diameter		Approx. Weight lbs/kft	Allowable Ampacities**		
	Size AWG/kcmil	Number of	Size AWG/kcmil	Number of Strands	inches	mm		75°C	90°C	Dwelling
<b>Two Conductor SER (Black and Red) plus Bare Ground</b>										
2x8 AWG Aluminum SER Cable/ 8 AWG Solid Ground	2x8	1	8	1	0,550	13,97	105	40	45	-
2x8 AWG Aluminum SER Cable/ 8 AWG Ground	2x8	7	8	7	0,559	14,20	109	40	45	-
2x6 AWG Aluminum SER Cable/ 6 AWG Ground	2x6	7	6	7	0,630	16,00	148	50	55	-
2x4 AWG Aluminum SER Cable/ 6 AWG Ground	2x4	7	6	7	0,720	18,29	191	65	75	-
2x4 AWG Aluminum SER Cable/ 4 AWG Ground	2x4	7	4	7	0,730	18,54	201	65	75	-
2x2 AWG Aluminum SER Cable/ 4 AWG Ground	2x2	7	4	7	0,831	21,11	263	90	100	100
2x2 AWG Aluminum SER Cable/ 2 AWG Ground	2x2	7	2	7	0,840	21,34	286	90	100	100
2x1 AWG Aluminum SER Cable/ 3 AWG Ground	2x1	18	3	7	0,937	23,80	339	100	115	110
2x1/0 AWG Aluminum SER Cable/ 2 AWG Ground	2x1/0	18	2	7	1,016	25,81	394	120	135	125
2x1/0 AWG Aluminum SER Cable/ 1/0 AWG Ground	2x1/0	18	1/0	18	1,030	26,16	431	120	135	125
2x2/0 AWG Aluminum SER Cable/ 1 AWG Ground	2x2/0	18	1	18	1,094	27,79	476	135	150	150
2x2/0 AWG Aluminum SER Cable/ 2/0 AWG Ground	2x2/0	18	2/0	18	1,100	27,94	522	135	150	150
2x3/0 AWG Aluminum SER Cable/ 1/0 AWG Ground	2x3/0	18	1/0	18	1,190	30,23	591	155	175	175
2x4/0 AWG Aluminum SER Cable/ 2/0 AWG Ground	2x4/0	18	2/0	18	1,291	32,79	701	180	205	200
2x4/0 AWG Aluminum SER Cable/ 4/0 AWG Ground	2x4/0	18	4/0	18	1,310	33,27	775	180	205	200
<b>Three Conductor SER (Black, White and Red) plus Bare Ground</b>										
3x8 AWG Aluminum SER Cable/ 8 AWG Solid Ground	3x8	1	8	1	0,600	15,24	140	40	45	-
3x8 AWG Aluminum SER Cable/ 8 AWG Ground	3x8	7	8	7	0,606	15,39	143	40	45	-
3x6 AWG Aluminum SER Cable/ 6 AWG Ground	3x6	7	6	7	0,689	17,50	195	50	55	-
3x4 AWG Aluminum SER Cable/ 6 AWG Ground	3x4	7	6	7	0,776	19,71	257	65	75	-
3x2 AWG Aluminum SER Cable/ 4 AWG Ground	3x2	7	4	7	0,902	22,91	365	90	100	100
3x1 AWG Aluminum SER Cable/ 3 AWG Ground	3x1	18	3	7	1,020	25,91	461	100	115	110
3x1/0 AWG Aluminum SER Cable/ 2 AWG Ground	3x1/0	18	2	7	1,106	28,09	556	120	135	125
3x2/0 AWG Aluminum SER Cable/ 1 AWG Ground	3x2/0	18	1	18	1,197	30,40	668	135	150	150
3x3/0 AWG Aluminum SER Cable/ 1/0 AWG Ground	3x3/0	18	1/0	18	1,307	33,20	809	155	175	175
3x4/0 AWG Aluminum SER Cable/ 2/0 AWG Ground	3x4/0	18	2/0	18	1,421	36,09	987	180	205	200
3x250 AWG Aluminum SER Cable/ 3/0 AWG Ground	3x250	35	3/0	18	1,530	38,86	1143	205	230	225
3x300 AWG Aluminum SER Cable/ 4/0 AWG Ground	3x300	35	4/0	18	1,650	41,91	1347	230	260	250
<b>Four Conductor SER (Black, White, Red and Blue) plus Bare Ground</b>										
4x2 AWG Aluminum SER Cable/ 4 AWG Ground	4x2	7	4	7	1,043	26,49	465	90	100	100
4x2/0 AWG Aluminum SER Cable/ 1 AWG Ground	4x2/0	18	1	18	1,398	35,51	853	135	150	150
4x4/0 AWG Aluminum SER Cable/ 2/0 AWG Ground	4x4/0	18	2/0	18	1,673	42,49	1262	180	205	200
4x250 AWG Aluminum SER Cable/ 3/0 AWG Ground	4x250	22	3/0	22	1,850	46,99	1585	205	230	225

All values are nominal and subject to correction.

\*\*Ampacities shown are for general use as specified by the National Electric Code, 2017 Edition Table 310.15(B)(16). Dwelling – For dwelling units, conductors shall be permitted as listed ampacities to be utilized as 120/240-volt, 3-wire, single-phase service entrance conductors and feeder conductors that serve as the main feeder for NEC 310.15(B)(7).