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**American Standard 600/1000V Service Entrance Cable
Aluminum or Copper SE Type**

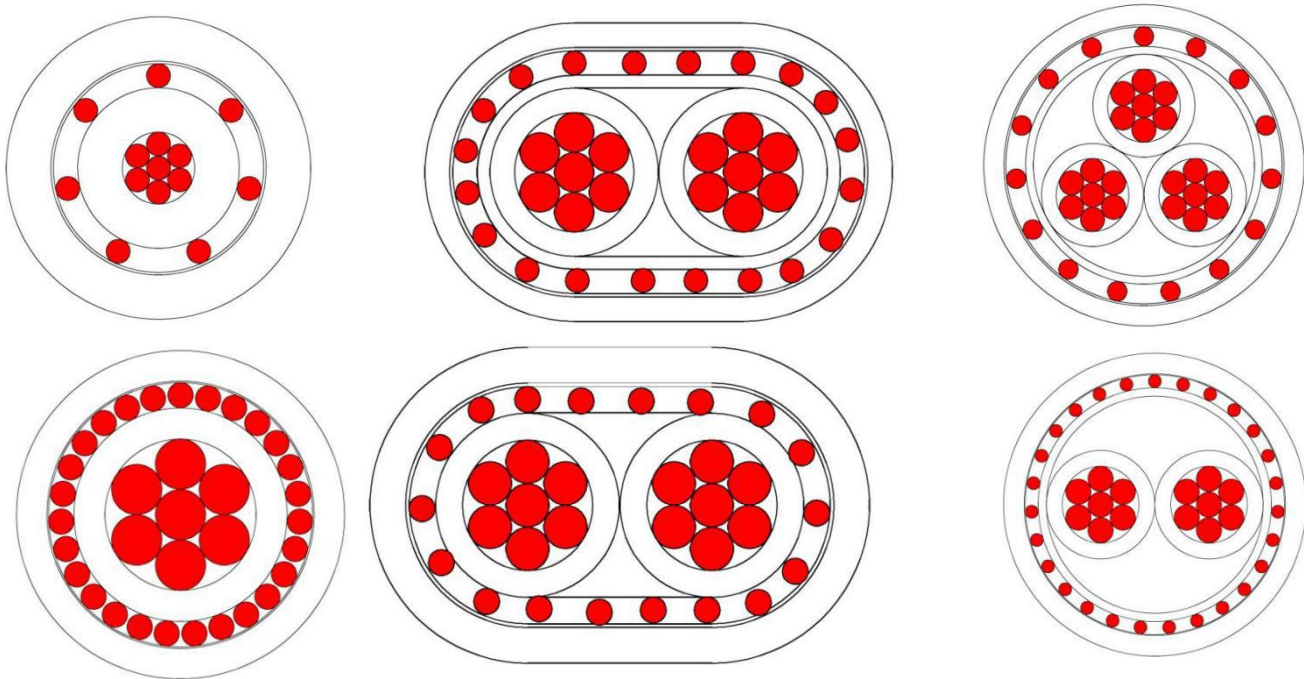
UL standard 854 for Style SEU SER

APPLICATION

Type SE, service entrance cable is primarily used to convey power from the service drop to the meter base and from the meter base to the distribution panelboard; however, the cable may be used in all applications where Type SE cable is permitted. SER may be used in wet or dry locations at temperatures not to exceed 90°C. Voltage rating is 600 volts.

CONSTRUCTION

Type SE, service entrance cable is constructed with sunlight resistant Type XHHW-2 conductors or Type THHN/THWN/THWN-2 conductors. Annealed (soft) copper Conductor. AA-8000 series aluminum alloy Conductor. Copper clad aluminum Conductor. Compact stranded. Cable assembly plus reinforcement tape and Jacket are jacketed with sunlight resistant gray polyvinyl chloride (PVC). Style SEU cable has two phase conductors surrounded by a concentric neutral while the SER style has two, three or four phase conductors and a bare neutral.





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Aluminum SE Cable

Conductor Size/Const. AWG or kcmil	Stranding*		Nominal O.D. (mils)	Allowable Ampacities+				Approx. Net Weight per 1000' (lbs)	Standard Package
	Phase Conductor & Neutral	Equipment Ground Conductor		60° C	75° C	90° C	Dwelling		
SER Aluminum Two Conductor With Bare Ground (Formerly referred to as "EZ-SE")									
6-6-6	7	-	650	40	50	60	-	150	B
4-4-4	7	-	745	55	65	75	-	203	B
4-4-6	7	-	745	55	65	75	-	203	B
2-2-2	7	-	864	75	90	100	100	290	B
2-2-4	7	-	864	75	90	100	100	290	B
2/0-2/0-1	12	-	1140	115	135	150	150	527	B
2/0-2/0-2/0	12	-	1140	115	135	150	150	527	B
4/0-4/0-2/0	19	-	1354	150	180	205	200	784	C
4/0-4/0-4/0	19	-	1354	150	180	205	200	784	C
SER Aluminum Three Conductor With Bare Ground (Formerly referred to as "Four Conductor")									
8-8-8-8	1	1	612	30	40	45	-	136	B
6-6-6-6	7	7	717	40	50	60	-	196	B
4-4-4-6	7	7	823	55	65	75	-	252	B
2-2-2-4	7	7	956	75	90	100	100	359	B
1-1-1-3	8	7	1079	85	100	115	110	449	C



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1/0-1/0-1/0-2	10	1	1168	100	120	135	125	540	C
2/0-2/0-2/0-1	12	1	1264	115	135	150	150	652	C
3/0-3/0-3/0-1/0	16	1	1371	130	155	175	175	786	C
4/0-4/0-4/0-2/0	19	1	1496	150	180	205	200	960	C
250-250-250-3/0	22	1	1839	170	205	230	225	1458	C
SER Aluminum Four Conductor With Bare Ground (Formerly referred to as "Five Conductor")									
2-2-2-2-4	6	7	1059	75	90	100	100	452	B 5
2/0-2/0-2/0-2/0-1	12	1	1404	115	135	150	150	827	C
4/0-4/0-4/0-4/0-2/0	19	1	1672	150	180	205	200	1228	C
50-250-250-250-3	22	1	1847	170	205	230	225		C
SEU Aluminum Two Conductor With Bare Concentric Ground (Formerly referred to as "Three Conductor")									
6-6-6	7	8	430 X 687	40	50	60	-	145	H
4-4-4	7	12	499 X 800	55	65	75	-	198	I
4-4-6	7	15	474 X 775	55	65	75	-	181	I
2-2-2	7	14	569 X 925	75	90	100	100	283	I
2-2-4	7	18	554 X 910	75	90	100	100	259	I
2/0-2/0-2/0	18	18	736 X 1221	115	135	150	150	514	CJ
2/0-2/0-1	18	14	720 X 1205	115	135	150	150	468	CJ
4/0-4/0-4/0	18	18	878 X 1462	150	180	205	205	765	CL
4/0-4/0-2/0	18	18	835 X 1419	150	180	205	205	691	CL

Table values reflect XHHW-2 conductors. +Allowable Ampacities:

Allowable ampacities shown are for general use as specified by the National Electrical Code, 2011 Edition, Section 310.15.

60° C - When terminated to equipment for circuits rated 100 amperes or less or marked for 14 through 1 AWG conductors. See NEC

Article 338.10(B)(4). 75° C - When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than 1

AWG. May not apply, see NEC Article 338.10(B)(4).

90° C - Wet or dry locations. For ampacity derating purposes.

Dwelling - For units, conductors shall be permitted at listed ampacities as 120/240-volt, 3-wire, single-phase services and feeders per NEC Article 310.15.

*For compact-stranded construction, the number of wires, as permitted by UL Standard 83, UL Standard 854, and ASTM B-801, may be reduced as follows:

19-Wire Constructions - 18 Wires Minimum

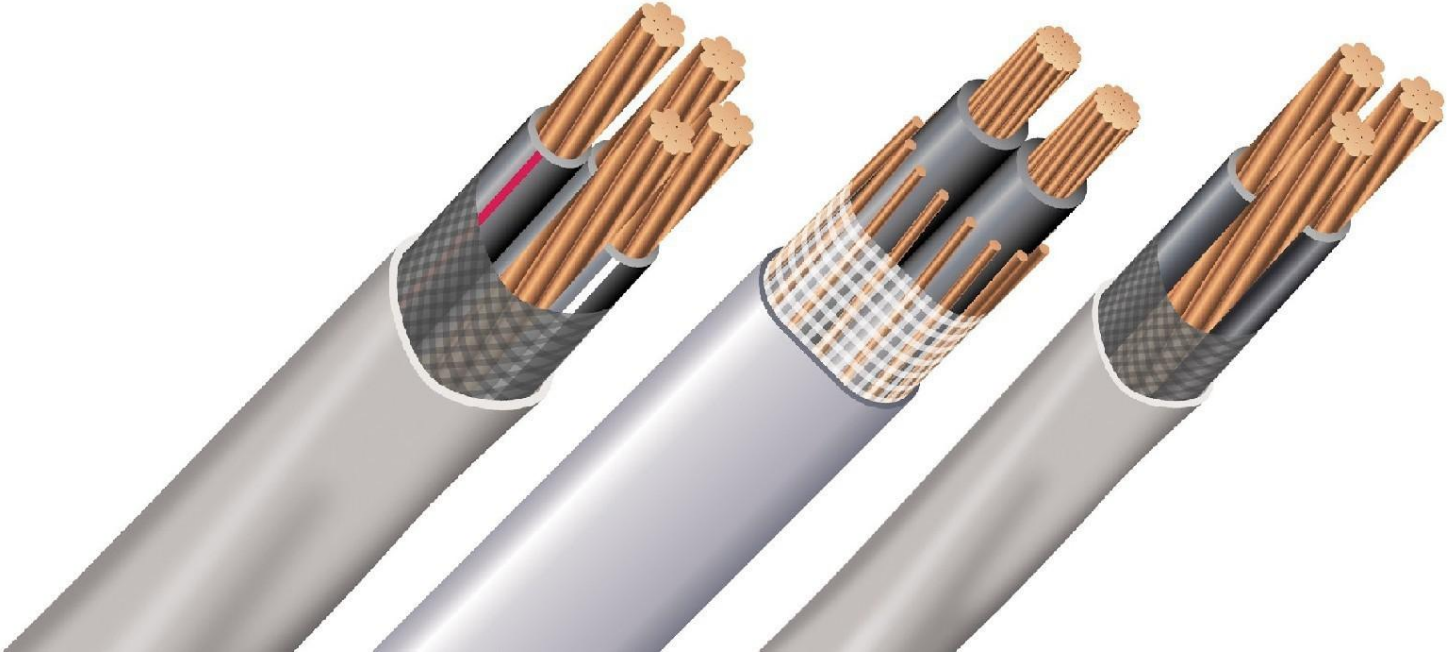


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Copper SE Cable

Size/ Construction (AWG)	Stranding		Nominal O.D. (mils)	Approximate Weight per 1000' (lbs)	Allowable Ampacities+				Standard Package
	Phase & Neutral Conductors	Equipment Ground Conductor			60° C	75° C	90° C	Dwelling	
SER Copper TWO CONDUCTOR WITH BARE GROUND (FORMERLY REFERRED TO AS "THREE CONDUCTOR")									
8-8-8	7	--	586	231	40	50	55	--	B
6-6-6	7	--	669	338	55	65	75	--	B
4-4-4	7	--	764	498	70	85	95	100	B
3-3-3	7	--	829	611	85	100	110	110	B
2-2-2	7	--	896	752	95	115	130	125	B
1-1-1	19	--	1021	948	110	130	150	150	C
1/0-1/0-1/0	19	--	1114	1169	125	150	170	175	C
2/0-2/0-2/0	19	--	1209	1444	145	175	195	200	C
3/0-3/0-3/0	19	--	1317	1792	165	200	225	225	C
4/0-4/0-4/0	19	--	1438	2226	195	230	260	250	C
SER Copper THREE CONDUCTOR WITH BARE GROUND (FORMERLY REFERRED TO AS "FOUR CONDUCTOR")									
8-8-8-8	7	7	645	286	40	50	55	--	B
6-6-6-6	7	7	738	424	55	65	75	--	B
4-4-4-6	7	7	844	585	70	85	95	100	B



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3-3-3-5	7	7	910	719	85	100	110	110	B
2-2-2-4	7	7	984	887	95	115	130	125	B
1-1-1-3	19	7	1132	1117	110	130	150	150	C
1/0-1/0-1/0-2	19	19	1235	1382	125	150	170	175	C
2/0-2/0-2/0-1	19	19	1342	1713	145	175	195	200	C
3/0-3/0-3/0-1/0	19	19	1462	2129	165	200	225	225	C
4/0-4/0-4/0-2/0	19	19	1598	2650	195	230	260	250	C

Table values reflect XHHW-2 conductors

Allowable ampacities shown are for general use as specified by the National Electrical Code, 2011 Edition, section 310.15 and 240.4(D).

Unless the is marked for use at higher temperatures the conductor ampacities shall be limited to the following per NEC

110.14(C) 60 ° C When terminated to equipment for circuits rated 100 amperes or less or marked for 14 - 1 AWG conductors.

75 ° C When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than 1

AWG . 90 ° C XHHW wet or Dry locations for ampacity adjustment purposes using NEC section 310.15

For dwelling ampacity use section 310.15(B)(7)

Package

Code B-

1000' Reel

C- 500' Reel

Conductor Size (AWG)	Stranding		Nominal O.D. (mils)	Approximate Weight per 1000' (lbs)	Allowable Ampacities+				Standard Package
	Phase Conductors	Bare Ground			60° C	75° C	90° C	Dwelling	
SEU Copper ONE CONDUCTOR WITH A BARE CONCENTRIC GROUND (FORMALLY REFERRED TO AS "TWO CONDUCTOR")									
8-8	7	8	400	144	40	50	55	--	ABC
6-6	7	12	435	208	55	65	75	--	
4-4	7	12	506	315	70	85	95	--	C
2-2	7	15	580	485	95	115	130	--	
SEU Copper TWO CONDUCTOR WITH A BARE CONCENTRIC GROUND (FORMALLY REFERRED TO AS "THREE CONDUCTOR")									
10-10-10	1	12	428 X 283	127	30	30	30	--	ABC
8-8-8	7	8	587 X 380	211	40	50	60	--	ABC
6-6-6	7	12	659 X 416	308	55	65	75	--	BCE
4-4-4	7	12	815 X 506	471	70	85	95	100	BCE
3-3-3	7	12	883 X 548	583	85	100	110	110	B
2-2-2	7	15	994 X 578	718	95	115	130	125	BD
1-1-1	19	14	1093 X 664	904	110	130	150	150	B
1/0-1/0-1/0	19	18	1179 X 707	1123	125	150	170	175	BC
2/0-2/0-2/0	19	18	1283 X 767	1379	145	175	195	200	BC
3/0-3/0-3/0	19	14	1429 X 862	1712	165	200	225	225	BD



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4/0-4/0-4/0	19	18	1541 X 918	2146	195	230	260	250	BC
SEU Copper TWO CONDUCTOR WITH A BARE CONCENTRIC GROUND (FORMALLY REFERRED TO AS "THREE CONDUCTOR") (REDUCED NEUTRAL)									
6-6-8	7	8	659 X 416	281	55	65	75	--	BC
4-4-6	7	12	790 X 481	420	70	85	95	100	BC
3-3-5	7	15	843 X 508	515	85	100	110	110	BC
2-2-4	7	12	929 X 563	639	95	115	130	125	BC
<p>Table values reflect XHHW-2 conductors</p> <p>Allowable ampacities shown are for general use as specified by the National Electrical Code, 2011 Edition, section 310.15 and 240.4(D).</p> <p>Unless the is marked for use at higher temperatures the conductor ampacities shall be limited to the following per NEC 110.14(C) 60 ° C When terminated to equipment for circuits rated 100 amperes or less or marked for 14 - 1 AWG conductors.</p> <p>75 ° C When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than 1 AWG . 90 ° C XHHW wet or Dry locations for ampacity adjustment purposes using NEC section 310.15</p> <p>For dwelling ampacity use section 310.15(B)(7)</p>								<p>Package Code:</p> <p>A- 250' Coil</p> <p>B- 500' Reel</p> <p>C- 1000' Reel</p> <p>D- 100' Reel</p> <p>E- 150' Coil</p>	