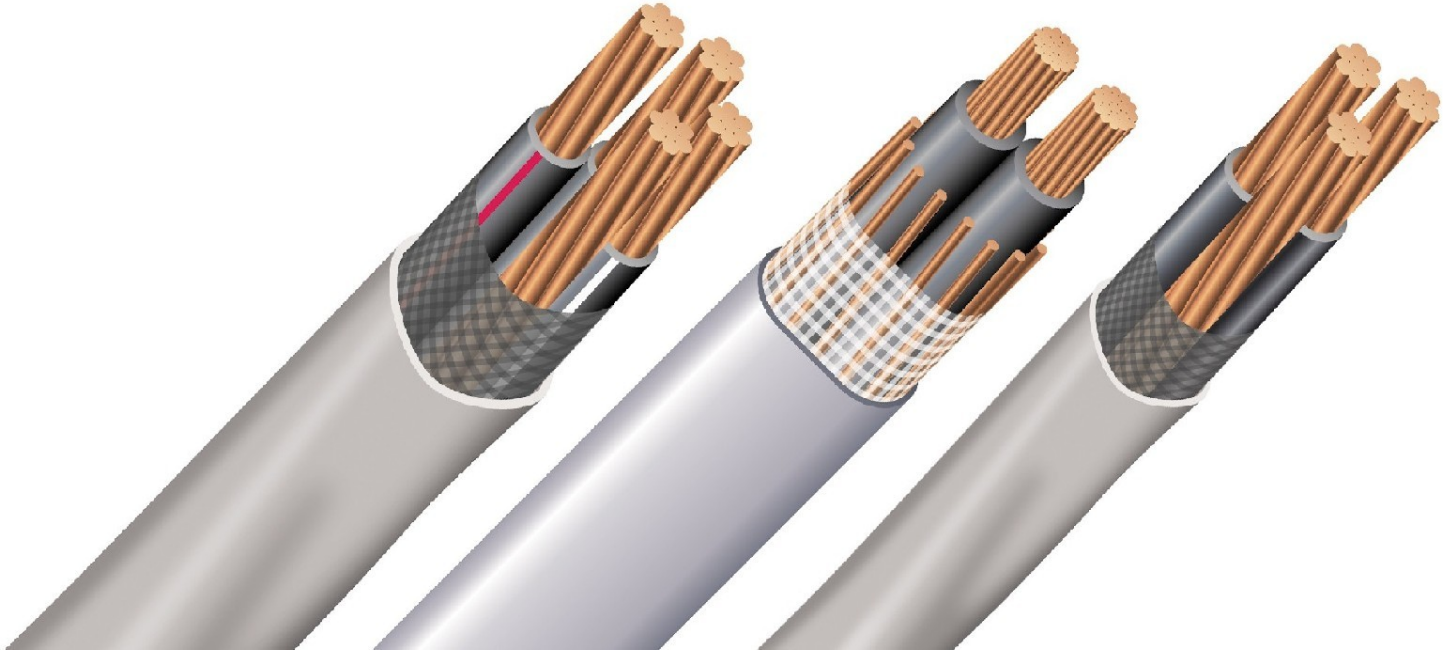


Copper SE Cable

Service Entrance Cable, Type SE, Style SER and SE Stype U.
 Service Entrance Cable, 600 Volt.
 Individual Conductors Rated XHHW-2 or THHN/THWN.
 Jacket and Individual Conductors Sunlight Resistant.



APPLICATIONS

Southwire 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.

SPECIFICATIONS

Southwire Type SE cable complies with :

- ASTM- All applicable standards
- UL Standard 44 for XHHW-2 conductors
- UL Standard 83 for THHN/THWN conductors
- UL Standard 854
- Federal Specification A-A-59544
- National Electrical Code, NFPA 70. 2011 Edition
- RoHS/ REACH

CONSTRUCTION

Southwire Type cable is constructed with sunlight resistant Type XHHW-2 conductors or Type THHN/THWN conductors. Copper conductors are annealed (soft) copper. Cable assembly plus reinforcement tape are jacketed with sunlight resistant gray polyvinyl chloride (PVC). Available as 1 conductor with a concentric ground, 2 conductor with a round or concentric ground, or 3 conductor with a bare ground. SE cable is jacketed with gray sunlight resistant polyvinyl chloride (PVC).

CU SER and SEU

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 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 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
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	



greenSpec™
RoHS Compliant



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CU SER and SEU

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 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 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
4/0-4/0-4/0	19	18	1541 X 918	2146	195	230	260	250	BC
SEU 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)</p> <p>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 .</p> <p>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>	

RECOMMENDED SAMPLE SPECIFICATIONS:

Cable shall be UL-listed Type SE, suitable for operation at 600 volts. Conductors shall be annealed copper, weather resistant PVC jacketed, as manufactured by Southwire Company or approved equal.



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