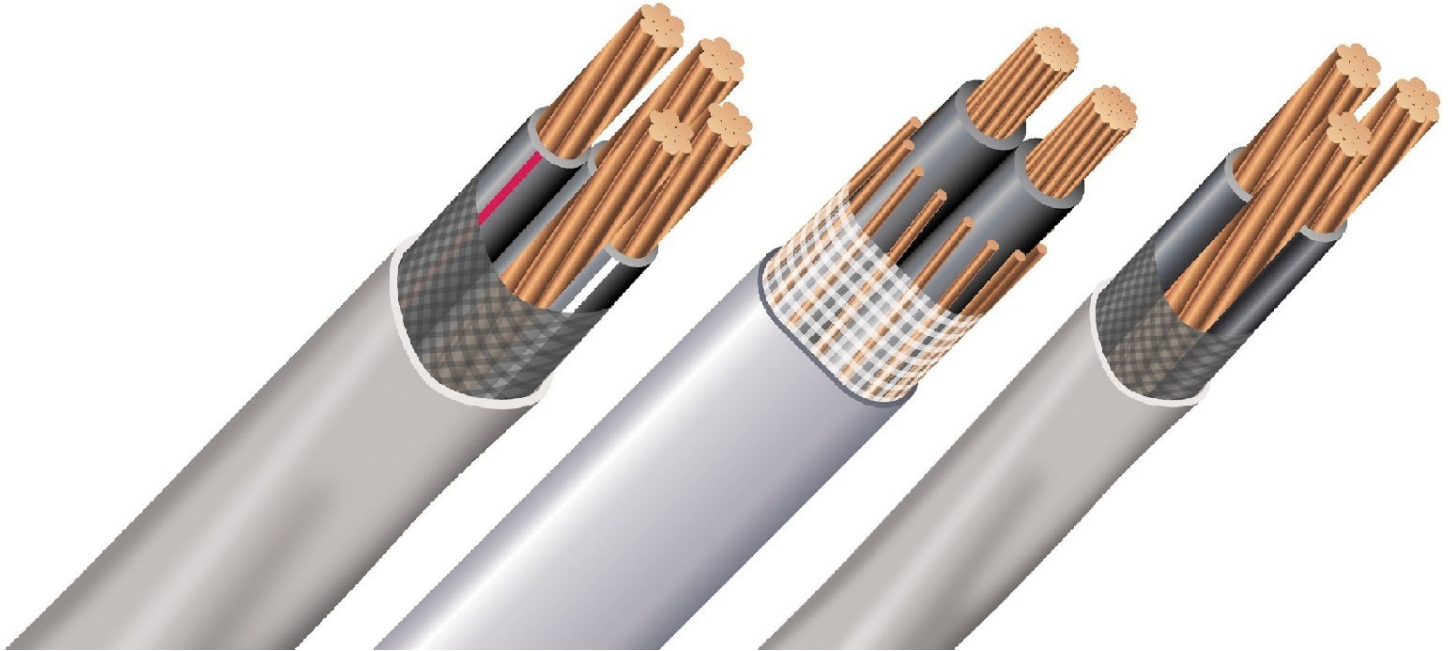


Copper SE Cable

Service Entrance Cable, Type SE, Style SER and SE Style 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 meets or exceeds UL Standard 44 for XHHW-2 conductors or UL 83 for THHN/THWN conductors, UL Standard 854, Federal Specification A-A-59544, and requirements of the 2008 National Electrical Code.

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).



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CU SER and SEU

Conductor	Copper								
Size/Const. (AWG)	Stranding		Nominal O.D. (mils)	Allowable Ampacities+				Approx. Net Weight Per 1000' (lbs.)	Standard Package
	Phase Conductors & Neutral	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	40	50	55	--	231	B
6-6-6	7	--	669	55	65	75	--	338	B
4-4-4	7	--	771	70	85	95	100	499	B
3-3-3	7	--	829	85	100	110	110	612	B
2-2-2	7	--	896	95	115	130	125	752	B
1-1-1	19	--	1021	110	130	150	150	948	C
1/0-1/0-1/0	19	--	1114	125	150	170	175	1169	C
2/0-2/0-2/0	19	--	1209	145	175	195	200	1445	C
3/0-3/0-3/0	19	--	1317	165	200	225	225	1792	C
4/0-4/0-4/0	19	--	1438	195	230	260	250	2227	C
SER THREE CONDUCTOR WITH BARE GROUND (FORMERLY REFERRED TO AS "FOUR CONDUCTOR")									
8-8-8-8	7	7	645	40	50	55	--	286	B
6-6-6-6	7	7	738	55	65	75	--	424	B
4-4-4-6	7	7	852	70	85	95	100	586	B
3-3-3-5	7	7	917	85	100	110	110	721	B
2-2-2-4	7	7	992	95	115	130	125	889	B
1-1-1-3	19	7	1132	110	130	150	150	1119	C
1/0-1/0-1/0-2	19	7	1235	125	150	170	175	1384	C
2/0-2/0-2/0-1	19	19	1342	145	175	195	200	1715	C
3/0-3/0-3/0-1/0	19	19	1462	165	200	225	225	2131	C
4/0-4/0-4/0-2/0	19	19	1598	195	230	260	250	2652	C
Table values reflect Type XHHW-2 conductors.							STANDARD PACKAGE CODE: -B 1000' Reel -C 500' Reel		
+Allowable Ampacities: Allowable ampacities shown are for general use as specified by the National Electrical Code, 2008 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. 75 °C - When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than 1 AWG. 90°C - Wet or dry locations. For ampacity derating purposes. Dwelling - For dwelling units, conductors shall be permitted at listed ampacities as 120/240-volt, 3-wire, single-phase services and feeders.									



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CU SER and SEU

Conductor	Copper								
Size/Const. (AWG)	Stranding		Nominal O.D. (mils)	Allowable Ampacities+				Approx. Net Weight Per 1000' (lbs.)	Standard Package
	Phase Conductors	Bare Ground		60°C	75°C	90°C	Dwelling		
SEU ONE CONDUCTOR WITH A BARE CONCENTRIC GROUND (FORMERLY REFERRED TO AS "TWO CONDUCTOR")									
8-8	7	8	400	40	50	55	--	144	BH
6-6	7	12	435	55	65	75	--	208	BH
4-4	7	12	506	70	85	95	--	315	BI
2-2	7	15	580	95	115	130	--	485	BJ
SEU TWO CONDUCTOR WITH A BARE CONCENTRIC GROUND (FORMERLY REFERRED TO AS THREE CONDUCTOR)									
10-10-10	1	12	428 X 283	30	30	30	--	127	BH
8-8-8	7	8	587 X 380	40	50	55	--	211	BH
6-6-6	7	12	659 X 416	55	65	75	--	308	BJ
4-4-4	7	12	815 X 506	70	85	95	100	471	BJ
3-3-3	7	12	883 X 548	85	100	110	110	583	BJ
2-2-2	7	15	944 X 578	95	115	130	125	718	BL
1-1-1	19	14	1093 X 664	110	130	150	150	904	CL
1/0-1/0-1/0	19	18	1179 X 707	125	150	170	175	1123	CM
2/0-2/0-2/0	19	18	1283 X 767	145	175	195	200	1379	CM
3/0-3/0-3/0	19	14	1429 X 862	165	200	225	225	1712	CM
4/0-4/0-4/0	19	18	1541 X 918	195	230	260	250	2146	CM
SEU TWO CONDUCTOR WITH A BARE CONCENTRIC GROND (FORMERLY REFERRED TO AS "THREE CONDUCTOR") (REDUCED NEUTRAL)									
6-6-8	7	8	659 X 416	55	65	75	--	281	BI
4-4-6	7	12	790 X 481	70	85	95	100	420	BJ
3-3-5	7	15	843 X 508	85	100	110	110	515	BJ
2-2-4	7	12	929 X 563	95	115	130	125	639	BL
Table values reflect Type XHHW-2 conductors +Allowable Ampacities: Allowable ampacities shown are for general use as specified by the National Electrical Code, 2008 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. 75 °C - When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than 1 AWG. 90°C - Wet or dry locations. For ampacity derating purposes Dwelling - For dwelling units, conductors shall be permitted at listed ampacities as 120/240-volt, 3-wire, single-phase services and feeders.							STANDARD PACKAGE CODE: -B 1000' Reel -C 500' Reel -H 250' Reel -I 200' Coil -J 150' Coil -L 100' Coil -M 50' Coil		

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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