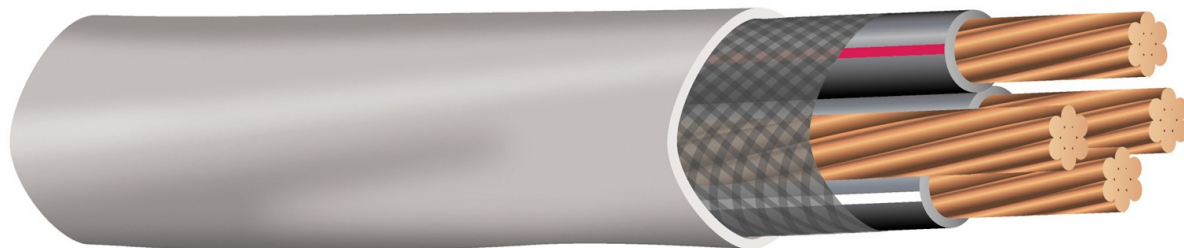


**Service Entrance Cable, Type SE, Style SER. 600 Volt. Copper Conductors.  
Individual Conductors Rated XHHW-2 or THHN/THWN.  
Jacket and Individual Conductors Sunlight Resistant.**



## APPLICATIONS

Southwire Type SE, Style SER service entrance cable is primarily used as panel feeder in multiple unit dwellings; 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, Style SER 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 SE, Style SER 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 3 conductor (2 insulated phase conductors, insulated neutral) or 4 conductor (2 insulated phase conductors, insulated neutral, bare equipment ground).

# CU-SER

Conductor	Copper								
	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		
<b>SER TWO CONDUCTOR WITH BARE GROUND (FORMERLY REFERRED TO AS "THREE CONDUCTOR")</b>									
8-8-8	7	--	586	40	50	55	--	236	B
6-6-6	7	--	669	55	65	75	--	342	B
4-4-4	7	--	771	70	85	95	100	499	B
3-3-3	7	--	829	85	100	110	110	611	B
2-2-2	7	--	896	95	115	130	125	752	B
1-1-1	19	--	1021	110	130	150	150	947	C
1/0-1/0-1/0	19	--	1106	125	150	170	175	1168	C
2/0-2/0-2/0	19	--	1201	145	175	195	200	1444	C
3/0-3/0-3/0	19	--	1309	165	200	225	225	1791	C
4/0-4/0-4/0	19	--	1430	195	230	260	250	2226	C
<b>SER THREE CONDUCTOR WITH BARE GROUND (FORMERLY REFERRED O AS "FOUR CONDUCTOR")</b>									
8-8-8-8	7	7	645	40	50	55	--	291	B
6-6-6-6	7	7	738	55	65	75	--	428	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	720	B
2-2-2-4	7	7	992	95	115	130	125	888	B
1-1-1-3	19	7	1132	110	130	150	150	1118	C
1/0-1/0-1/0-2	19	7	1226	125	150	170	175	1382	C
2/0-2/0-2/0-1	19	19	1332	145	175	195	200	1714	C
3/0-3/0-3/0-1/0	19	19	1453	165	200	225	225	2130	C
4/0-4/0-4/0-2/0	19	19	1588	195	230	260	250	2651	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.									

## RECOMMENDED SAMPLE SPECIFICATIONS:

Cable shall be UL-listed Type SE, Style SER, 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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