

Copper Service Entrance (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.

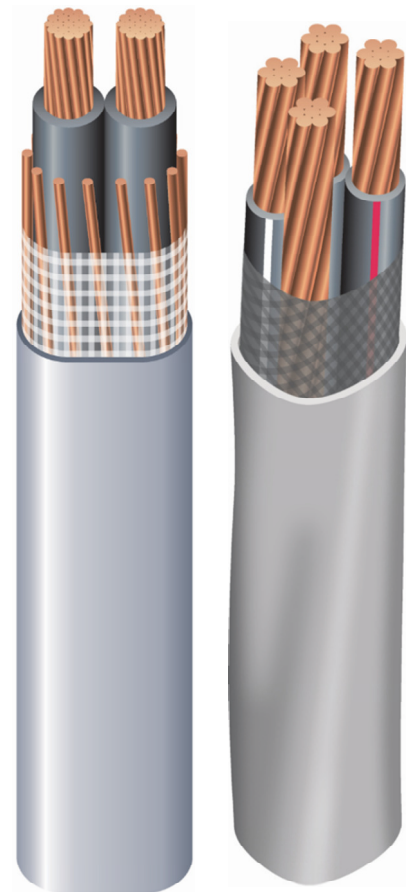
STANDARDS & REFERENCES

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 SE 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).



Conductor	Stranding		Nominal O.D. (Mils)	Allowable Ampacities				Approximate Net Weight Per 1000' (Lbs)	Standard Package
Size/Const. AWG or kcmil	Phase Conductor & Neutral	Equipment Ground Conductor		60 °C	75 °C	90 °C	Dwelling		
SER Two Conductor With Bare Contentric 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	--	764	70	85	95	100	498	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	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	1444	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	2226	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	844	70	85	95	100	585	B
3-3-3-5	7	7	910	85	100	110	110	719	B
2-2-2-4	7	7	984	95	115	130	125	887	B
1-1-1-3	19	7	1132	110	130	150	150	1117	C
1/0-1/0-1/0-2	19	19	1235	125	150	170	175	1382	C
2/0-2/0-2/0-1	19	19	1342	145	175	195	200	1713	C
3/0-3/0-3/0-1/0	19	19	1462	165	200	225	225	2129	C
4/0-4/0-4/0-2/0	19	19	1598	195	230	260	250	2650	C
<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'</p> <p>B-500'</p> <p>C-1,000'</p> <p>D-100'</p> <p>E- 150'</p>

