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	- -	146	BH
6-6	7	12	435	55	65	75	- -	210	BH
4-4	7	12	506	70	85	95	- -	314	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	582	BJ
2-2-2	7	15	944 X 578	95	115	130	125	717	BL
1-1-1	19	14	1093 X 664	110	130	150	150	903	CL
1/0-1/0-1/0	19	18	1171 X 703	125	150	170	175	1122	CM
2/0-2/0-2/0	19	18	1275 X 763	145	175	195	200	1378	CM
3/0-3/0-3/0	19	14	1421 X 858	165	200	225	225	1711	CM
4/0-4/0-4/0	19	18	1533 X 914	195	230	260	250	2145	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	638	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:

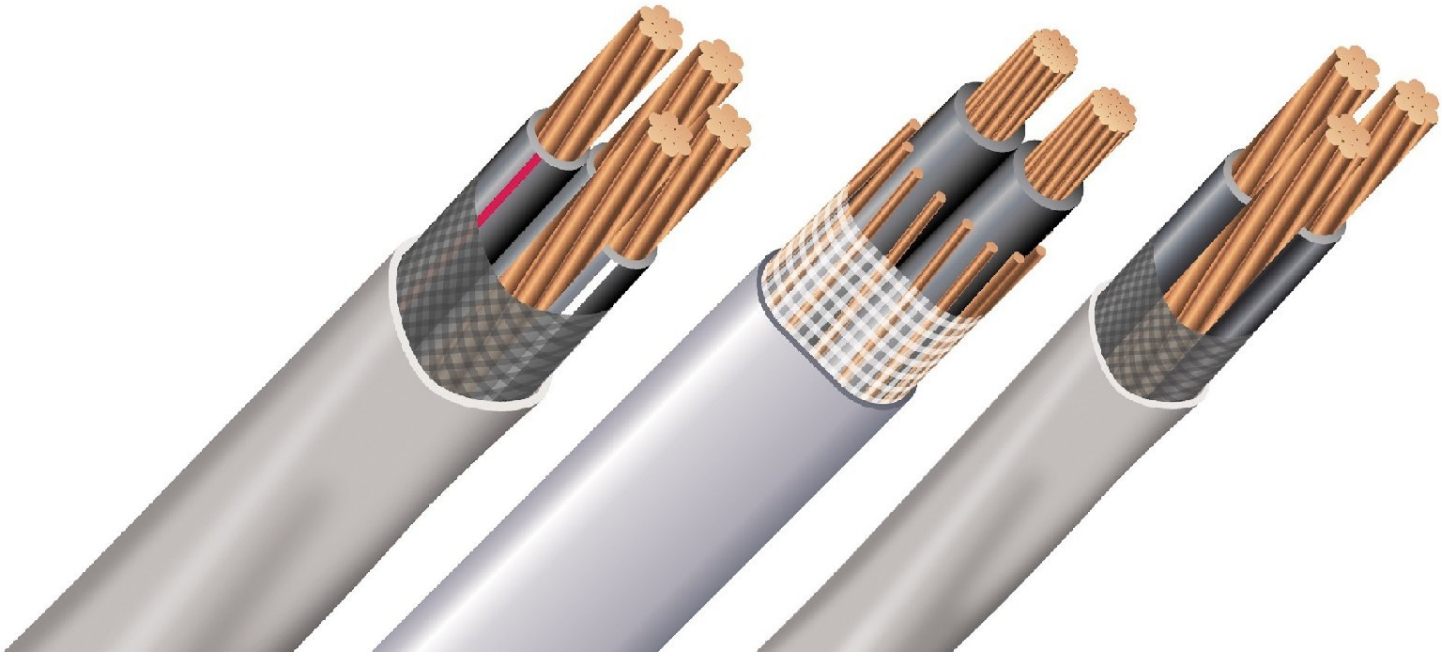
Cable shall be UL-listed Type SE, suitable for operation at 600 volts. Conductors shall be annealed copper, weather resistant PVC jacketed, as manufactured by Southwire Company or approved equal.

Southwire
One Southwire Drive
Carrollton, Ga. 30119 USA

MADE IN ★ THE USA

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 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 National Electrical Code [1] .

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).

[1] 2008 Edition.

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