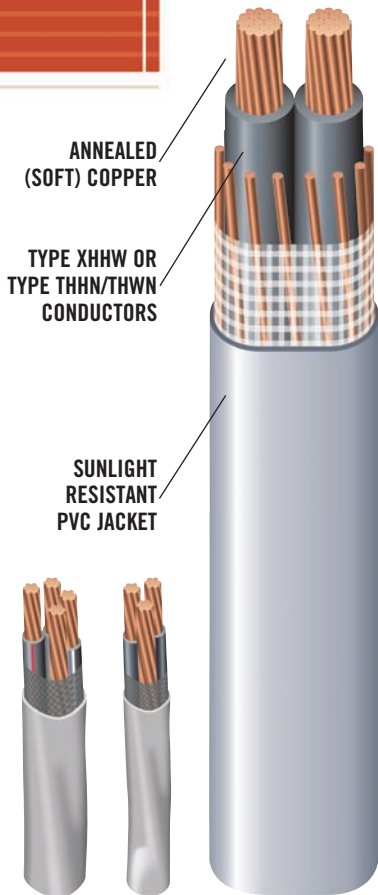


SEU/SER/SE



Service Entrance Cable,
Type SE, Style U

600 Volt

Copper Conductors
Individual Conductors

Rated XHHW-2 or
THHN/THWN

Copper Concentric
Neutral

Jacket and Individual
Conductors Sunlight
Resistant

APPLICATIONS Suitable for use as follows:

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 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 Code¹.

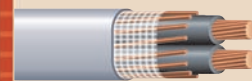
CONSTRUCTION

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).

SPECIFICATIONS

Cable shall be UL-listed Type SE, Style U, suitable for operation at 600 volts or less in all installations as specified in the National Electrical Code. Conductors shall be annealed copper, Type XHHW-2 or Type THHN/THWN, weather resistant PVC jacketed, as manufactured by Southwire Company or approved equal.

¹ 2005 Edition.



COPPER CONDUCTORS

SEU/SER/SE

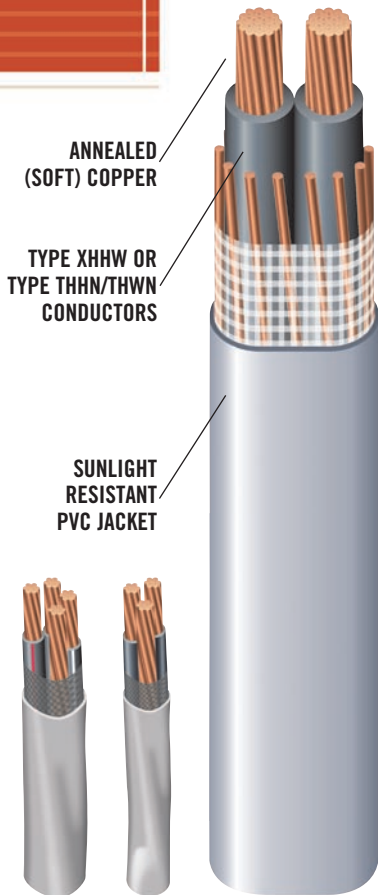
WEIGHTS, MEASUREMENTS AND PACKAGING

| 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 | - | 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 |
| SER THREE CONDUCTOR WITH BARE GROUND (FORMERLY REFERRED TO AS “FOUR CONDUCTOR”) | | | | | | | | | |
| 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. *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 ft. reel C – 500 ft. reel | | |

SEU/SER/SE

| WEIGHTS, MEASUREMENTS AND PACKAGING | | | | | | | | | |
|---|---------------------|----------------|------------------------|-----------------------|------|------|--|---|---------------------|
| 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 | 419 X 270 | 30 | 30 | 30 | - | 126 | BH |
| 8-8-8 | 7 | 8 | 57 X 366 | 40 | 50 | 55 | - | 210 | BH |
| 6-6-6 | 7 | 12 | 650 X 402 | 55 | 65 | 75 | - | 307 | BJ |
| 4-4-4 | 7 | 12 | 815 X 506 | 70 | 85 | 95 | 100 | 471 | BJ |
| 3-3-3 | 7 | 12 | 874 X 534 | 85 | 100 | 110 | 110 | 582 | BJ |
| 2-2-2 | 7 | 15 | 935 X 565 | 95 | 115 | 130 | 125 | 717 | BL |
| 1-1-1 | 19 | 14 | 1084 X 650 | 110 | 130 | 150 | 150 | 903 | CL |
| 1/0-1/0-1/0 | 19 | 18 | 1162 X 689 | 125 | 150 | 170 | 175 | 1121 | CM |
| 2/0-2/0-2/0 | 19 | 18 | 1266 X 749 | 145 | 175 | 195 | 200 | 1377 | CM |
| 3/0-3/0-3/0 | 19 | 14 | 1412 X 845 | 165 | 200 | 225 | 225 | 1711 | CM |
| 4/0-4/0-4/0 | 19 | 18 | 1524 X 901 | 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 | 650 X 402 | 55 | 65 | 75 | - | 280 | BI |
| 4-4-6 | 7 | 12 | 781 X 468 | 70 | 85 | 95 | 100 | 419 | BJ |
| 3-3-5 | 7 | 15 | 834 X 494 | 85 | 100 | 110 | 110 | 514 | BJ |
| 2-2-4 | 7 | 12 | 920 X 549 | 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 ft. reel C – 500 ft. reel H – 250 ft. reel I – 200 ft. coil J – 150 ft. coil L – 100 ft. coil M – 50 ft. coil | | |

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STANDARDS & REFERENCES

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 Code¹.

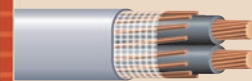
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SPECIFICATIONS

Cable shall be UL-listed Type SE, Style U, suitable for operation at 600 volts or less in all installations as specified in the National Electrical Code. Conductors shall be annealed copper, Type XHHW-2 or Type THHN/THWN, weather resistant PVC jacketed, as manufactured by Southwire Company or approved equal.

¹ 2005 Edition.



COPPER CONDUCTORS

SEU/SER/SE

WEIGHTS, MEASUREMENTS AND PACKAGING

| 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 | - | 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 |
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| 8-8-8-8 | 7 | 7 | 645 | 40 | 50 | 55 | - | 291 | B |
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| 3-3-3-5 | 7 | 7 | 917 | 85 | 100 | 110 | 110 | 720 | B |
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| 1/0-1/0-1/0-2 | 19 | 7 | 1226 | 125 | 150 | 170 | 175 | 1382 | C |
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| 3/0-3/0-3/0-1/0 | 19 | 19 | 1453 | 165 | 200 | 225 | 225 | 2130 | C |
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SEU/SER/SE

| WEIGHTS, MEASUREMENTS AND PACKAGING | | | | | | | | | |
|---|---------------------|----------------|------------------------|-----------------------|------|------|--|---|---------------------|
| CONDUCTOR | COPPER | | | | | | | | |
| SIZE/CONST. (AWG) | STRANDING | | NOMINAL O.D. (mils) | ALLOWABLE AMPACITIES* | | | | APPROX. NET WEIGHT PER 1000' (lbs) | STANDARD PACKAGE |
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| 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 |
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| 8-8-8 | 7 | 8 | 57 X 366 | 40 | 50 | 55 | - | 210 | BH |
| 6-6-6 | 7 | 12 | 650 X 402 | 55 | 65 | 75 | - | 307 | BJ |
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| 3-3-3 | 7 | 12 | 874 X 534 | 85 | 100 | 110 | 110 | 582 | BJ |
| 2-2-2 | 7 | 15 | 935 X 565 | 95 | 115 | 130 | 125 | 717 | BL |
| 1-1-1 | 19 | 14 | 1084 X 650 | 110 | 130 | 150 | 150 | 903 | CL |
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| 2/0-2/0-2/0 | 19 | 18 | 1266 X 749 | 145 | 175 | 195 | 200 | 1377 | CM |
| 3/0-3/0-3/0 | 19 | 14 | 1412 X 845 | 165 | 200 | 225 | 225 | 1711 | CM |
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| SEU TWO CONDUCTOR WITH A BARE CONCENTRIC GROND (FORMERLY REFERRED TO AS “THREE CONDUCTOR”) (REDUCED NEUTRAL) | | | | | | | | | |
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