



Aluminum Service Entrance Cable Type SE Style U (SEU), 600 V 90°C



Standard:

- UL 44
- UL 854
- National Electrical Code
- ASTM B-800, B-801

Description:

Phase Conductor(s) surrounded by a concentrically applied neutral and binder tape.

Application:

Primarily used to convey power from the service drop to the meter base and from the meter base to the distribution panel board. SEU can also be used in certain branch circuits as permitted by the National Electric Code. Maximum operating temperature is not to exceed 90°C in wet or dry locations. Voltage rating is 600 volts.

Insulation:

Type XHHW-2 cross-linked polyethylene (XLPE) insulation. Solid colored Black & Red

Conductors:

Compact stranded soft drawn 8000 series aluminum conductor, per

Jacket:

Gray sunlight resistant polyvinyl chloride (PVC) jacket

| Cable Code | Insulated Conductor | | Bare Conductor | | Nom.Ov.Diameter | Approx. Weight | Allowable Ampacities** | | | |
|---|---------------------|-------------------|----------------|-------------------|-----------------|----------------|------------------------|------|------|------|
| | Size | Number of Strands | Size | Number of Strands | mils | | lbs/kft | 60°C | 75°C | 90°C |
| | AWG/kcmil | | AWG/kc mil | | | | | | | |
| 8-8-8 Aluminum SEU Service Entrance Cable | 2x8 | 1 | 8 | 8 | 386x600 | 104 | 35 | 40 | 45 | - |
| 6-6-6 Aluminum SEU Service Entrance Cable | 2x6 | 7 | 6 | 12 | 430x687 | 144 | 40 | 50 | 55 | - |
| 4-4-6 Aluminum SEU Service Entrance Cable | 2x4 | 7 | 6 | 12 | 474x775 | 181 | 55 | 65 | 75 | - |
| 4-4-4 Aluminum SEU Service Entrance Cable | 2x4 | 7 | 4 | 12 | 499x800 | 198 | 55 | 65 | 75 | - |
| 2-2-4 Aluminum SEU Service Entrance Cable | 2x2 | 7 | 4 | 12 | 554x910 | 259 | 75 | 90 | 100 | 100 |
| 2-2-2 Aluminum SEU Service Entrance Cable | 2x2 | 7 | 2 | 15 | 569x925 | 284 | 75 | 90 | 100 | 100 |
| 1-1-1 Aluminum SEU Service Entrance Cable | 2x1 | 19 | 1 | 14 | 643x1051 | 356 | 85 | 100 | 115 | 110 |
| 1/0-1/0-2 Aluminum SEU Service Entrance Cable | 2x1/0 | 19 | 2 | 15 | 657x1101 | 386 | 100 | 120 | 135 | 125 |
| 1/0-1/0-1/0 Aluminum SEU Service Entrance Cable | 2x1/0 | 19 | 1/0 | 18 | 680x1125 | 428 | 100 | 120 | 135 | 125 |
| 2/0-2/0-1 Aluminum SEU Service Entrance Cable | 2x2/0 | 19 | 1 | 14 | 720x1205 | 468 | 115 | 135 | 150 | 150 |
| 2/0-2/0-2/0 Aluminum SEU Service Entrance Cable | 2x2/0 | 19 | 2/0 | 18 | 736x1221 | 514 | 115 | 135 | 150 | 150 |
| 3/0-3/0-3/0 Aluminum SEU Service Entrance Cable | 2x3/0 | 19 | 3/0 | 14 | 826x1358 | 623 | 130 | 155 | 175 | 175 |
| 4/0-4/0-2/0 Aluminum SEU Service Entrance Cable | 2x4/0 | 19 | 2/0 | 18 | 835x1419 | 691 | 150 | 180 | 205 | 200 |
| 4/0-4/0-4/0 Aluminum SEU Service Entrance Cable | 2x4/0 | 19 | 4/0 | 18 | 878x1462 | 764 | 150 | 180 | 205 | 200 |

All values are nominal and subject to correction.

**Ampacities shown are for general use as specified by the National Electrical Code, 2017 Edition, section 310-15 & 338.10. Dwelling- For dwelling units, conductors shall be permitted at listed ampacities to utilize as 120/240 volt, 3-wire, single-phase services conductors that serve as the main feeder for NEC 310-15 (b) (7).