

Aluminum Service Entrance Cable

Type SE Style U (SEU), 600V 90°C



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.

CONDUCTORS:

- Compact stranded soft drawn 8000 series aluminum conductor, per ASTM B-801

INSULATION:

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

ASSEMBLY:

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

JACKET:

- Gray sunlight resistant polyvinyl chloride (PVC) jacket

STANDARDS:

- UL 44: Thermoset-Insulated Wires and Cables
- UL 854: Standard for Service-Entrance Cables
- ASTM B-800, B-801
- Federal Specifications J-C-30B
- National Electric Code

Part Number	Insulated Conductor		Bare Conductor		Nominal OD mils	Approx. Weight lbs/kft	Allowable Ampacities**			
	Size	Number of Strands	Size	Number of Strands			60°C	75°C	90°C	Dwelling
	AWG/kcmil		AWG/kcmil							
8-02ALUMG-SEU	2 x 8	1	8	8	386 x 600	104	35	40	45	-
6-02ALUMG-SEU	2 x 6	7	6	12	430 x 687	144	40	50	55	-
4-02ALUMG-R-SEU	2 x 4	7	6	12	474 x 775	181	55	65	75	-
4-02ALUMG-SEU	2 x 4	7	4	12	499 x 800	198	55	65	75	-
2-02ALUMG-R-SEU	2 x 2	7	4	12	554 x 910	259	75	90	100	100
2-02ALUMG-SEU	2 x 2	7	2	15	569 x 925	284	75	90	100	100
1-02ALUMG-SEU	2 x 1	19	1	14	643 x 1051	356	85	100	115	110
1/0-02ALUMG-R-SEU	2 x 1/0	19	2	15	657 x 1101	386	100	120	135	125
1/0-02ALUMG-SEU	2 x 1/0	19	1/0	18	680 x 1125	428	100	120	135	125
2/0-02ALUMG-R-SEU	2 x 2/0	19	1	14	720 x 1205	468	115	135	150	150
2/0-02ALUMG-SEU	2 x 2/0	19	2/0	18	736 x 1221	514	115	135	150	150
3/0-02ALUMG-SEU	2 x 3/0	19	3/0	14	826 x 1358	623	130	155	175	175
4/0-02ALUMG-R-SEU	2 x 4/0	19	2/0	18	835 x 1419	691	150	180	205	200
4/0-02ALUMG-SEU	2 x 4/0	19	4/0	18	878 x 1462	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).



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