

Copper Service Entrance Cable

Type SE Style U (SEU), 600V 90°C



APPLICATION:

Copper SEU cable is Mainly 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 not to exceed 90°C in wet or dry locations, suitable for use at voltages up to 600 volts.

CONDUCTORS:

- Annealed soft copper class B stranded

INSULATION:

- Type XHHW-2 cross-linked polyethylene (XLPE) insulation

COLOR CODE:

Cond #	Color
2	Black and Red

ASSEMBLY:

- Two paralleled phase conductors surrounded by concentrically applied neutral wires and helically wrapped with a reinforced binder tape over the core

JACKET:

- Gray sunlight resistant polyvinyl chloride (PVC) jacket

STANDARDS:

- UL 44: Thermoset-Insulated Wires and Cables
- UL 854: Standard for Service-Entrance Cables
- ASTM B3, B8, B787
- National Electric Code

Part Number	Insulated Conductor		Bare Conductor		Nominal OD	Approx. Weight	Ampacity* 90°C
	No. x Size	Number of Strands	Size	Number of Strands			
	AWG/kcmil		AWG/kcmil		inches	lbs/kft	amps
Two Insulated Conductors							
8-02CUG-SEU	2 x 8	7	8	7	0.41 x 0.65	219	55
6-02CUG-R-SEU	2 x 6	7	8	7	0.45 x 0.73	289	75
6-02CUG-SEU	2 x 6	7	6	7	0.46 x 0.73	320	75
4-02CUG-R-SEU	2 x 4	7	6	7	0.50 x 0.83	428	95
4-02CUG-SEU	2 x 4	7	4	7	0.53 x 0.85	477	95
3-02CUG-R-SEU	2 x 3	7	4	7	0.56 x 0.91	552	110
3-02CUG-SEU	2 x 3	7	3	7	0.57 x 0.92	587	110
2-02CUG-R-SEU	2 x 2	7	4	7	0.59 x 0.97	645	130
2-02CUG-SEU	2 x 2	7	2	7	0.60 x 0.99	722	130
1-02CUG-SEU	2 x 1	19	1	19	0.67 x 1.11	910	150
1/0-02CUG-SEU	2 x 1/0	19	1/0	19	0.70 x 1.19	1124	170
2/0-02CUG-SEU	2 x 2/0	19	2/0	19	0.77 x 1.30	1394	195

All values are nominal and subject to correction.

*Allowable Ampacities shown are for general use as specified by the National Electrical Code, 2023 Edition, Table 310.16



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