

# Copper Service Entrance Cable

## Type SE Style R (SER), 600V 90°C



### APPLICATION:

Copper SER cable is primarily used as panel feeder in multiple unit dwellings and for branch circuits. Maximum operating temperature is not to exceed 90°C in wet or dry locations. Voltage rating is 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
3	Black, White, and Red

### ASSEMBLY:

- Two or three insulated conductors and a bare ground conductor cabled together and covered with a reinforced 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 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	inches	mm		
	AWG/kcmil		AWG/kcmil		lbs/kft	amps		
<b>Two Conductor</b>								
8-02CUG-SER	2 x 8	7	8	7	0.586	14.88	231	55
6-02CUG-SER	2 x 6	7	6	7	0.669	16.99	338	75
4-02CUG-R-SER	2 x 4	7	4	7	0.764	19.41	498	95
3-02CUG-R-SER	2 x 3	7	3	7	0.829	21.06	611	110
2-02CUG-R-SER	2 x 2	7	2	7	0.896	22.76	752	130
1-02CUG-R-SER	2 x 1	19	1	19	1.021	25.93	948	150
1/0-02CUG-R-SER	2 x 1/0	19	1/0	19	1.114	28.30	1169	170
2/0-02CUG-R-SER	2 x 2/0	19	2/0	19	1.209	30.71	1444	195
3/0-02CUG-R-SER	2 x 3/0	19	3/0	19	1.317	33.45	1792	225
4/0-02CUG-R-SER	2 x 4/0	19	4/0	19	1.438	36.53	2226	260

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



1-800-945-5542  
www.PriorityWire.com



# Copper Service Entrance Cable

## Type SE Style R (SER), 600V 90°C



Part Number	Insulated Conductor		Bare Conductor		Nominal OD		Approx. Weight	Ampacity* 90°C
	No. x Size	Number of Strands	Size	Number of Strands	inches	mm		
	AWG/kcmil		AWG/kcmil					
<b>Three Conductor</b>								
8-03CUG-SER	3 x 8	7	8	7	0.645	16.38	286	55
6-03CUG-SER	3 x 6	7	6	7	0.738	18.75	424	75
4-03CUG-R-SER	3 x 4	7	6	7	0.844	21.44	585	95
3-03CUG-R-SER	3 x 3	7	5	7	0.910	23.11	719	110
2-03CUG-R-SER	3 x 2	7	4	7	0.984	24.99	887	130
1-03CUG-R-SER	3 x 1	19	3	19	1.132	28.75	1117	150
1/0-03CUG-R-SER	3 x 1/0	19	2	19	1.235	31.37	1382	170
2/0-03CUG-R-SER	3 x 2/0	19	1	19	1.324	33.63	1713	195
3/0-03CUG-R-SER	3 x 3/0	19	1/0	19	1.462	37.13	2129	225
4/0-03CUG-R-SER	3 x 4/0	19	2/0	19	1.598	40.59	2650	260

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



1-800-945-5542  
www.PriorityWire.com

