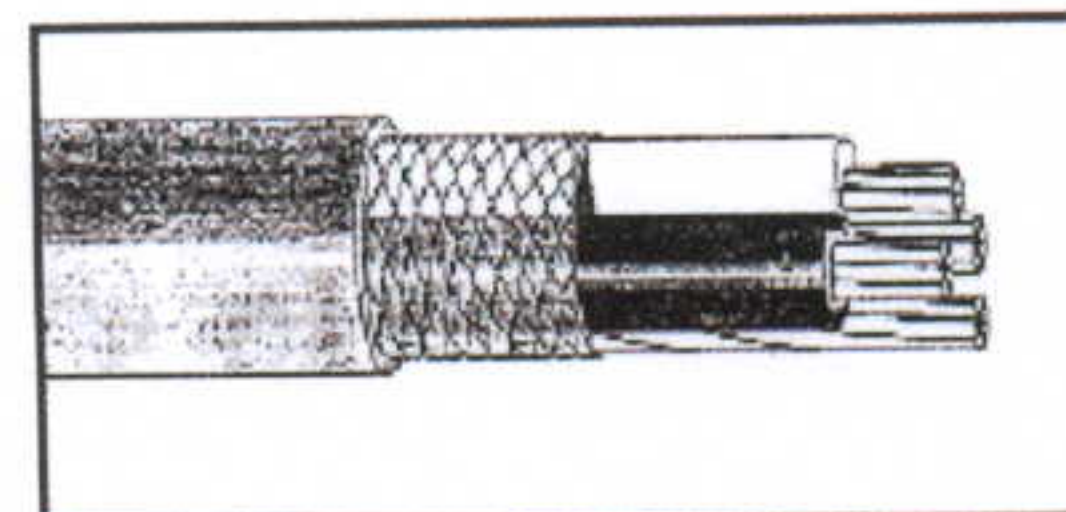


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# ALUMINUM S E R SERVICE ENTRANCE CABLE

## TYPE SE, STYLE R. 600 VOLT. ALUMINUM ALLOY (AA-8000) CONDUCTORS. INDIVIDUAL CONDUCTORS RATED XHHW-2. OVERALL SUNLIGHT RESISTANT PVC JACKET.

**APPLICATION:** Primarily used as panel feeder in multiple unit dwellings and other branch circuits. Maximum operating temperature not to exceed 90°C in wet or dry locations. Voltage rating is 600 volts.

**SPECIFICATIONS:** SER conductors are designed according to the internationally recognized and accepted standards:  
• ASTM B800, B801 • UL 44, 854

**CONSTRUCTION:** • Conductor: 8000 series aluminum alloy compact stranded. • Insulation: Cross-linked polyethylene (XLPE) type XHHW2. • Colored insulation identification: 2 insulated conductors: black and white. 3 insulated conductors: black, white and red. 4 insulated conductors: black, white, red and blue. • Assembly: Two, three or four insulated conductors and a bare grounded conductor cabled together and covered with a reinforced binder tape. Jacket: Grey sunlight resistant polyvinyl chloride (PVC).

Catalog No.	Insulated Conductor		Bare Conductor		Nominal Outside Diameter (inches)	Aluminum Weight lbs./1,000'	Approx Net Weight lbs./1,000'	Approx. Gross Wt. lbs./1,000'	Allowable Ampacities*	
	AWG	Number of Wires	AWG	Number of Wires					90°C	Dwelling
P01B1	2 x 8	7	1 x 8	7	0.559	47	109	215	45	—
P02B1	2 x 6	7	1 x 6	7	0.630	74	148	263	60	—
P03B1	2 x 4	7	1 x 6	7	0.720	104	191	319	75	—
P04B1	2 x 2	7	1 x 4	7	0.831	165	270	413	100	100
P05B1	2 x 1	18	1 x 3	7	0.937	207	339	504	115	110
P06B1	2 x 1/0	18	1 x 2	7	1.016	262	407	594	135	125
P07B1	2 x 2/0	18	1 x 1	18	1.094	330	489	698	150	150
P08B1	2 x 3/0	18	1 x 1/0	18	1.189	415	591	834	175	175
P09B1	2 x 4/0	18	1 x 2/0	18	1.291	527	720	1,029	205	200
P10B1	3 x 8	7	1 x 8	7	0.606	62	143	258	45	—
P11B1	3 x 6	7	1 x 6	7	0.689	99	195	316	60	—
P12B1	3 x 4	7	1 x 6	7	0.776	143	257	385	75	—
P13B1	3 x 2	7	1 x 4	7	0.902	227	365	519	100	100
P14B1	3 x 1	18	1 x 3	7	1.020	286	461	648	115	110
P15B1	3 x 1/0	18	1 x 2	7	1.106	362	556	765	135	125
P16B1	3 x 2/0	18	1 x 1	18	1.197	455	668	911	150	150
P17B1	3 x 3/0	18	1 x 1/0	18	1.307	573	809	1,118	175	175
P18B1	3 x 4/0	18	1 x 2/0	18	1.421	727	987	1,318	205	200
P19B1	4 x 2	7	1 x 4	7	1.043	290	465	686	100	100
P20B1	4 x 2/0	18	1 x 1	18	1.398	581	853	1,184	150	150
P21B1	4 x 4/0	18	1 x 2/0	18	1.673	928	1,262	1,747	205	200

\* Allowable Ampacities: Allowable ampacities shown are for general use as specified by the National Electrical Code, 1999 Edition, section 310-15. 90°C - Wet or dry locations. Dwelling - For dwelling units, conductors shall be permitted at listed ampacities to be utilized as 120/240-volt, 3-wire, single-phase service entrance conductors and feeder conductors that serve as the main feeder for NEC 310-15 (b) (6).

**1-800-945-5542**

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