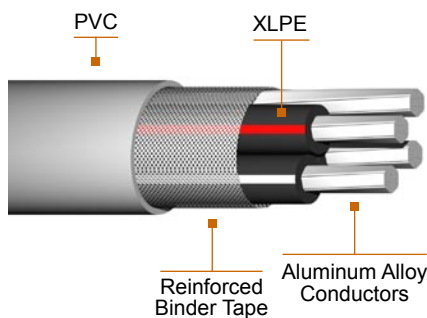




Detail Description or Construction

Conductor

8000 Series Aluminum Alloy
Compact Stranded

Insulation

Cross-linked polyethylene (XLPE)
type XHHW-2.

Colored insulation identification:

- 2 insulated conductors: black, and colored white
- 3 insulated conductors: black, colored white, and colored red
- 4 insulated conductors: black, colored white, colored red, and colored 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)

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.

Standards / Testing Specifications

- UL 44 / UL 854 / ASTM B-800 and B-801.

Marking

UL FILE (NUMBER OF CORE) CDRS
(SIZE) AWG AA-8000 AL 1 CDR (SIZE)
AWG AA-8000 AL TYPE SE STYLE
R XHHW-2 CDRS 600 V XLPE (UL)
(YEAR OF MANUFACTURE).

Installation

SER cable can be installed in air. It is recommended that the installation instructions indicated by the Local Electric Code, or any equivalent, be followed, so that the safeguarding of persons and the integrity of the product will not be affected by deficiencies in the installation.



SER

Service Entrance Cable Type SE Style R, 600 V

Insulated Conductors		Bare Conductor		Nominal Outside Diameter	Aluminum Weight	Approx. Net Weight	Standard package	Allowable Ampacities *	
AWG	No. of Wires	AWG	No. of Wires					90°C	Dwelling
				in	lbs / 1000'	lbs / 1000'	feet / reel		
2x6	7	1x6	7	0.63	74	148	500' or 1000'	60	--
2x4	7	1x6	7	0.72	104	191	500' or 1000'	75	--
2x2	7	1x4	7	0.831	165	270	500' or 1000'	100	100
2x1	18	1x3	7	0.937	207	339	500' or 1000'	115	110
2x1/0	18	1x2	7	1.016	262	407	500' or 1000'	135	125
2x2/0	18	1x1	18	1.094	330	489	500' or 1000'	150	150
2x3/0	18	1x1/0	18	1.189	415	591	500' or 1000'	175	175
2x4/0	18	1x2/0	18	1.291	527	720	500' or 1000'	205	200
3x6	7	1x6	7	0.689	99	195	500' or 1000'	60	--
3x4	7	1x6	7	0.776	143	257	500' or 1000'	75	--
3x2	7	1x4	7	0.902	227	365	500' or 1000'	100	100
3x1	18	1x3	7	1.02	286	461	500' or 1000'	115	110
3x1/0	18	1x2	7	1.106	362	556	500' or 1000'	135	125
3x2/0	18	1x1	18	1.197	455	668	500' or 1000'	150	150
3x3/0	18	1x1/0	18	1.307	573	809	500' or 1000'	175	175
3x4/0	18	1x2/0	18	1.421	727	987	500' or 1000'	205	200
3x250	35	1x3/0	18	1.651	860	1,153	500'	230	225
3x300	35	1x4/0	18	1.775	1,043	1,360	500'	255	250
4x2	7	1x4	7	1.043	290	465	500' or 1000'	100	100
4x2/0	18	1x1	18	1.398	581	853	500' or 1000'	150	150
4x4/0	18	1x2/0	18	1.673	928	1,262	500' or 1000'	205	200
4x250	35	1x3/0	18	1.838	1,095	1,448	500'	230	225
4x300	35	1x4/0	18	1.976	1,324	1,707	500'	255	250

* 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).