

# 8000 Series Aluminium Alloy Conductor SER Service Entrance Cable



## Application

Aluminium SER Service Entrance Cable is primarily used as panel feeder in multiple unit dwellings and other branch circuits.

## Construction

The stranded compacted 8000 series aluminium alloy conductor is insulated with XLPE. Two, three or four insulated conductors and a bare ground conductor are cabled together and covered with a fiberglass reinforced polyester tape binder and oversheathed with grey sunlight resistant PVC.

## Technical Data

Rated Voltage	600V
Operating Temperature	Max permissible continuous operating temperature of conductor shall not exceed 90°C.
Standard	ASTM B800, ASTM B801, UL 44, UL 854 or other standards required by customers.

### Aluminium SER Service Entrance Cable

Insulated Conductor* No. of Cores xAWG	Bare Conductor No. of Strands	Approx. Overall Diameter inch	Insulated Conductor* No. of Cores xAWG	Bare Conductor No. of Strands	Approx. Overall Diameter inch
2x8	1x8	0.559	3x4	1x6	0.776
2x6	1x6	0.630	3x2	1x4	0.902
2x4	1x6	0.720	3x1	1x3	1.020
2x2	1x4	0.831	3x1/0	1x2	1.106
2x1	1x3	0.937	3x2/0	1x1	1.197
2x1/0	1x2	1.016	3x3/0	1x1/0	1.307
2x2/0	1x1	1.094	3x4/0	1x2/0	1.421
2x3/0	1x1/0	1.189	4x2	1x4	1.043
2x4/0	1x2/0	1.291	4x2/0	1x1	1.398
3x8	1x8	0.606	4x4/0	1x2/0	1.673
3x6	1x6	0.689			

\* Individual conductors rated XHHW-2  
Coloured insulation identification 2-core: black and white. 3-core: black, white and red. 4-core: black, white, red and blue.