

# Type SEU (Service Entrance Cable), Copper/Aluminum

XLPE Insulated, 600 V

**CME**<sup>®</sup>  
wire and cable

A Viakable Company

## Features

Singles are UL Listed  
Types XHHW/XHHW-2.

Jacket is Sunlight Resistance in  
accordance with UL 854.

## Application

These cables are used as a  
service entrance cable, to convey  
power from the service drop to  
the meter.

Also in other branch circuits or  
feeders as permitted by NEC.

## Standards

UL 854

Service-Entrance Cables.

UL 44

Rubber-insulated wires and  
cables.

## Specifications

Maximum operating voltage:

- 600 volts

Maximum conductor operation  
temperatures:

- 90 °C wet and dry

## Engineering Information

**1. Copper Conductor:** Soft  
annealed uncoated copper  
compressed Class B stranding, or  
unilay-compressed per ASTM B8.

**Aluminum Conductor:** Stranded  
aluminum alloy (AA-8176)  
compacted conductor Class B  
stranding per ASTM B801.

**Sizes:** 12 AWG (6 AWG  
Aluminum)– 4/0 AWG.

**Separator:** A suitable opaque  
tape, as required.

**2. Insulation:** Black Thermoset  
flame retardant cross-linked  
polyethylene (XLPE).

**3. Assembly:** Two parallel  
conductors, an uninsulated  
concentric neutral (Cu or  
8000 Al-Alloy wires) and a  
reinforcement fiberglass  
laminated tape, composed of  
fiberglass scrim bonded to the  
polyester film in accordance to  
UL-854 requirements

**4. Jacket:** Sunlight resistant Grey  
polyvinyl chloride (PVC).



ALUMINUM CONDUCTOR

**Technical Data**

**Type SEU XLPE Insulated Copper Conductors (Cu Neutrals Wires)**

Size AWG	Conductor		Neutral Conductor		Cable OD in	Weight lb/kft
	Number of Strands	Insulation Thickness mil	Wire Size	Number of Wires		
8-8-8	7	45	20	16	380 x 620	216
6-6-6	7	45	20	26	417 x 694	318
6-6-8	7	45	20	16	418 x 691	290
4-4-4	7	45	16	17	499 x 822	480
4-4-6	7	45	20	26	464 x 783	432
2-2-2	7	45	14	16	585 x 966	731
1-1-1	19	55	14	20	645 x 1086	918
1/0-1/0-1/0	19	55	14	26	685 x 1166	1137
2/0-2/0-2/0	19	55	14	33	729 x 1254	1411
3/0-3/0-3/0	19	55	12	26	812 x 1387	1757
4/0-4/0-4/0	19	55	12	32	884 x 1531	2194

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product. Other sizes available upon request.

**Type SEU XLPE Insulated Aluminum Conductors (8000 Al-Alloy Wires)**

Size AWG	Conductor		Neutral Conductor		Cable OD in	Weight lb/kft
	Number of Strands	Insulation Thickness mil	Wire Size	Number of Wires		
6-6-6	7	45	16	10	462 x 735	143
4-4-4	7	45	16	17	496 x 803	196
2-2-2	7	45	14	16	579 x 941	282
1-1-1	19	55	12	13	664 x 1078	355
1/0-1/0-1/0	19	55	12	16	701 x 1152	427
2/0-2/0-2/0	19	55	10	13	783 x 1274	521
3/0-3/0-3/0	19	55	10	16	830 x 1368	633
4/0-4/0-2/0	19	55	10	13	882 x 1472	730
4/0-4/0-4/0	19	55	10	20	882 x 1472	774

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product. Other sizes available upon request.