

# FORCE CABLES

## Type SER



### Service Entrance Cable, XHHW/XHHW-2 Conductor(s)

Aluminum, XLPE Insulated, 600 V, 90°C



## APPLICATION

These cables are used as a service entrance cable, to convey power from the service drop to the meter base and from the meter base to the distribution panelboard. Also in other branch circuits or feeders as permitted by NEC. SE may be used in wet or dry above ground locations at temperatures not to exceed 90° C.

## CONSTRUCTION

### 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.

### Insulation

Black Thermoset flame retardant cross-linked polyethylene (XLPE).

### Assembly

Two or three conductors with a bare neutral conductor (8000 Al-Alloy) and a reinforcement fiberglass laminated tape, composed of fiberglass scrim bonded to the polyester film in accordance to UL-854 requirements.

### Jacket

Sunlight resistant Grey polyvinyl chloride (PVC).

## CHARACTERISTICS

### Electrical performance

Maximum operating voltage: 600 volts

### Thermal performance

Maximum conductor operation temperatures: 90° C wet and dry

Singles are UL Listed Types XHHW/XHHW-2.

Jacket is Sunlight Resistance in accordance with UL 854.

### UL File No.:

E548826

## STANDARDS / COMPLIANCE

**ASTM B-800** Specification for 8000 Series Aluminum Alloy Wire for Electrical Purposes—Annealed and Intermediate Tempers.

**ASTM B-801** Specification for Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation.

**ASTM B-901** Specification for Compressed Round Stranded Aluminum Conductors Using Single Input Wire Construction.

**ASTM B-836** Specification for Compact Round Stranded Aluminum Conductors Using Single Input Wire Construction.

**UL 854** Service-Entrance Cables.

**UL 44** Thermoset-Insulated Wire and Cable.

**RoHS**

**NEC** NFPA70, 2021 Edition