

External Splice Box

Technical Data Sheet

Applications

Orenco's External Splice Box is engineered specifically for water and wastewater treatment systems and is especially suited for use in locations prone to high groundwater and other wet conditions. Its large volume and optional dividers make it useful for isolating high and low voltage wires from separate conduits or direct-bury cable.

Features/Specifications

To specify this splice box for your installation, require the following:

- Watertight for prolonged submergence per UL listing (Type 6P)
- Attachment external to access riser to allow inspection without opening lid of riser
- Optional divider for isolating high and low voltage wires from separate conduits or direct-bury cable
- Volume of 100 in.³ (1639 cm³) for easy wiring access and to accommodate multiple wiring configurations
- Bottom entry, so conduit or direct-bury cable always remains below minimum burial depth
- Molded of UL (f1) rated plastic, resistant to cold and UV exposure, suitable for external applications

Standard Models

SBEX1, SBEX2, SBEX3, SBEX4
SBEX2-P, SBEX3-P

Nomenclature

SBEX □ - □
Blank = no divider plates
P = divider plates
Number of cord grips:
1, 2, 3, 4
External splice box



Orenco's External Splice Box has a UL Type 6P listing for prolonged submergence.



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Physical Specifications

| | |
|-----------------------------|---|
| Volume of junction box | 100 in. ³ (1639 cm ³) |
| Cord grips | 4 |
| Cord diameters accommodated | 0.170–0.470 in. (4.3–11.9 mm) |
| Conduit hubs | 2 |
| Conduit sizes accommodated | 3/4 in., 1 in. with a coupling, 1/2 in. with a fitting or bell end |
| Diameter of hole into riser | 5 in. (127 mm) (hole-cutting template provided) |

Can be supplied with divider plates that separate the splice box into two compartments, with two cord grips and one conduit hub in each compartment. Allows for two sets of wiring runs (Class 1 and either Class 2 or Class 3) for high and low voltage. Includes a PVC conduit plug for closing off the second conduit hub if not used.

Materials of Construction

| | |
|-----------------|---------------------|
| Splice box | PVC alloy |
| Cord grip | Nylon |
| Cord grip plugs | EPDM rubber |
| O-rings | Buna rubber |
| Conduit hub | PVC per ASTM D-1784 |

