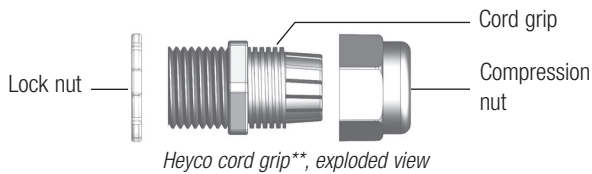
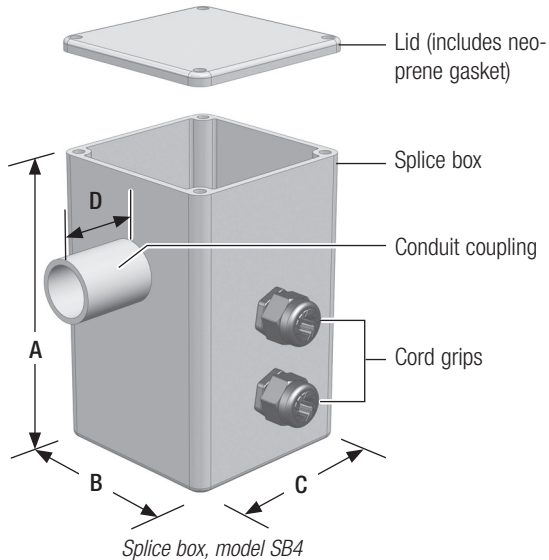


Internal Splice Boxes

Applications

Orenco[®] internal splice boxes* are used in risers to house spliced wire connections between an electrical control panel and such equipment as effluent pumps and float switches. They conform to UL 514C, CSA C22.2 No. 85 1968, and are UL Type 4X rated. Cord grips can withstand temperatures of up to 212° F (100° C). Standard ½-in. (13-mm) cord grips can accommodate round cord diameters from 0.17 to 0.47 in. (4.3 to 12 mm). Large ¾-in. (19-mm) cord grips can accommodate round cord diameters from 0.45 to 0.70 in. (11 to 18 mm). Cord grips are also available to accommodate single- and three-phase CE-rated 1.5 × 3 flat cords.



General

Orenco splice boxes come standard with one to six watertight cord grips. Included are waterproof wire nuts, a neoprene sealing gasket, and four stainless steel lid screws.

Splice boxes also come standard with ½-in. (13-mm) cord grips and a 15/8-in. (41-mm) long conduit coupling. Large ¾-in. (19-mm) cord grips and 3¼-in. (83-mm) long conduit couplings (for square or round concrete risers) are available.

Standard Models

SB1, SB2, SB3, SB4, SB5, SB6.

Nomenclature

SB

Options:
 A = Splice box factory-installed
 LN = 3¼-in. (83 mm) conduit coupling, round concrete risers
 C = 3¼-in. (83 mm) conduit coupling, square concrete risers
 G = cord grip, ¾-in. (19 mm)
 CE = cord grip for CE-rated 1.5 × 3 flat cable, 50 Hz

Number of cord grips:
 1, 2, 3, 4, 5, or 6

Splice box

Materials of Construction

Lid	PVC per ASTM D-1784
Splice box	PVC per ASTM D-1784
Conduit coupling	PVC per ASTM D-1784
Cord grip	Nylon
Lock nut	Stainless steel
Sealing gasket (not shown)	Neoprene
Lid screws (not shown)	Stainless steel

Specifications

Model	SB1	SB2	SB3	SB4	SB5	SB6
A, in. (mm)	6¼ (159)	6¼ (159)	6¼ (159)	6¼ (159)	6¼ (159)	6¼ (159)
B, in. (mm)	4 (102)	4 (102)	4 (102)	4 (102)	4 (102)	4 (102)
C, in. (mm)	4 (102)	4 (102)	4 (102)	4 (102)	4 (102)	4 (102)
D, standard size, in. (mm)	1½ (41)	1½ (41)	1½ (41)	1½ (41)	1½ (41)	1½ (41)
Conduit diameter, nominal, in. (DN)	¾ (20)	¾ (20)	¾ (20)	¾ (20)	1 (25)	1 (25)
Number of cord grips	1	2	3	4	5	6

*For information on Orenco[®] external splice boxes, see NTD-SBEX-1, External Splice Boxes

**Cord grips are listed under UL file number E-51579 and CSA file number LR-93876