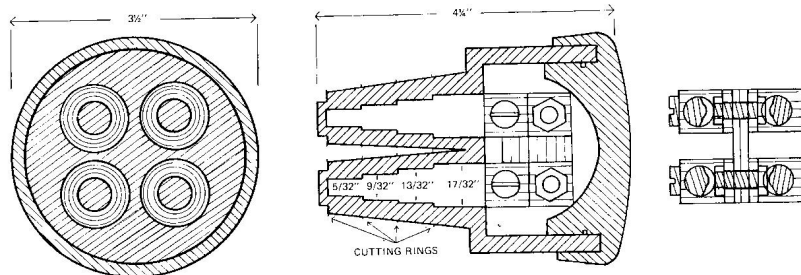


SEC Splice Box

Model SEC 0791-0

For Copper or Aluminum Stranded Wire

This is a four-way semi-permanent connector splice box for low-voltage copper or aluminum conductor cables. Recommended for street, highway, and flood lighting in outdoor locations in either wet or dry areas. SEC splice boxes are designed to fit most conductors from number 10 to 2/0, depending on insulation thickness, and will provide connections for up to four wires in any combination. Conductors are attached with simple set-screw lugs for easy, quick installation. Conductors can be easily removed and reinstalled.



Listed
Splice Box
9D70

Parts Lists	
SEC 0791-0	Splice Box Complete
SEC 0791-1	Splice Box Body
SEC 0791-2	Splice Box Cap
SEC 0791-3	Splice Box Lux Assembly

REQUIRED TORQUE INCH / POUND

CAT NO.	WIRE SIZE	WIRE TYPE	WIRE DIA RANGE (IN)	CUTTING RANGE NO.	TORQUE (IN-LBS)
SEC 0791-1 0791-3	8	RHH, RHW-2, THW, TW, USE-2, XHHW	15/64	1	75
	6	RHH, RHW-2, THHN, THW, THWN, USE-2, XHHW-2	19/64	1	110
	4	THHN, THW, THWN	5/16	1	110
	4	RHH, RHW-2, USE-2, XHHW-2	23/64	2	110
	3	THHN, THWN	11/32	2	120
	3	THW	3/8	2	120

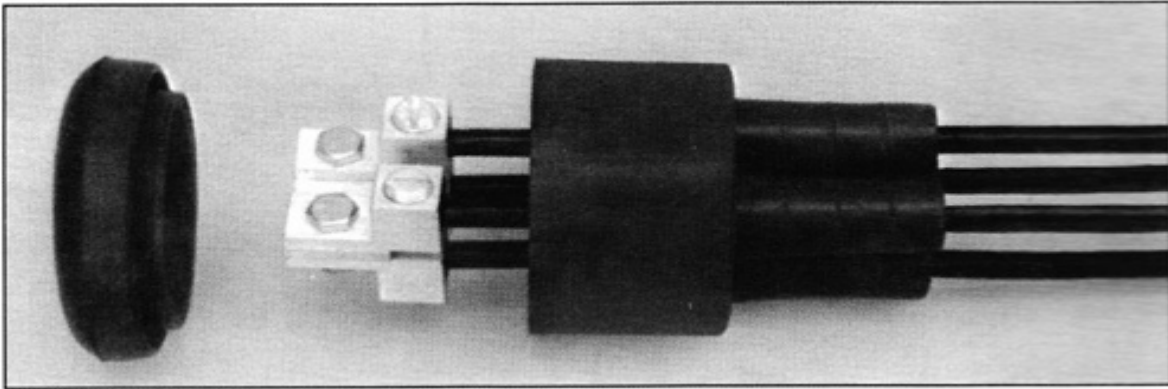
CAT NO.	WIRE SIZE	WIRE TYPE	WIRE DIA RANGE (IN)	CUTTING RANGE NO.	TORQUE (IN-LBS)
SEC 0791-1 0791-3	2	RHH, RHW-2, THHN, THW, THWN, USE-2, XHHW-2	13/32	2	150
	1	THWN, THHN, XHHW-2	7/16	2	150
	1	USE-2, RHW, RHH, THW	31/64	2	150
	1/0	USE-2, RHW-2, RHH, THWN, THNN, THW, XHHW-2	17/32	3	180
	2/0	USE-2, RHW-2, RHH, THWN, THNN, THW, XHHW-2	37/64	3	180

Ordering Instructions

Outside dimensions of conductors (including insulation) should be 5/64" larger than segment size. The same SEC connector splice box will fit conductors with outside dimensions from 9/32" to 3/4".

INSTALLING SEC CONNECTOR SPLICE BOX

1. Select segment size a minimum of 5/64" smaller than outside dimensions of insulation on conductors. Cut segment or segments to be used at cutting ring with sharp knife.
2. Apply silicone lubricant (provided in kit) on conductor and segment opening. Conductors must be clean and free of foreign materials.
3. Insert conductors through opening of segment approximately six inches beyond end of body of splice box.
4. Trim insulation from conductor to length of lugs and attach to lug assembly, tighten lug assembly according to inch/pounds chart.



5. Apply silicone lubricant to inside of segment (splice box body) around conductors.
6. Push lug assembly and conductors into body of splice box.
7. Snap into splice box body. Cap and body must be clean and free of foreign materials for proper seal. Lubricate splice box cap seal ring of splice box.
8. It is recommended that conductors be taped or tie wrapped from four to six inches from base of splice box. Although not required, electrical tape can be placed around outside of rim of splice box for double protection. SEC connector splice boxes will provide a watertight connection which can be disconnected and reused.

