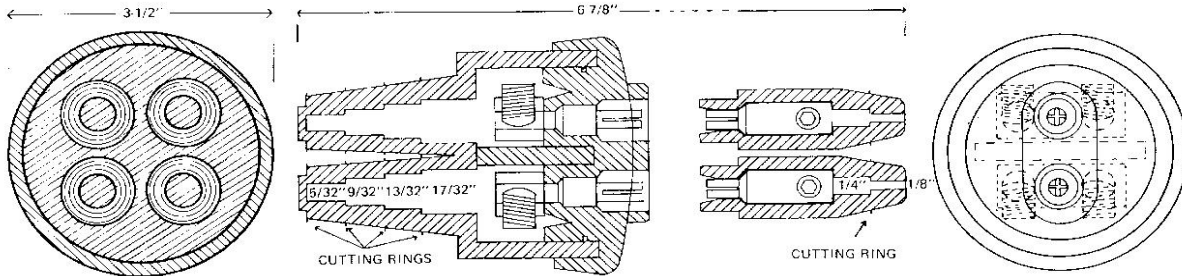


# SEC Double-Pin Connector Kit

## Model SEC 1791-DP

### For Copper or Aluminum Stranded Wire

Pin quick disconnected type kit for low-voltage copper aluminum conductor cables. Recommended for street, highway, and flood lighting in outdoor locations in both in wet or dry areas. Model SEC 1791-DP kits are especially designed to pin a complete circuit. SEC pin kits are designed to splice up to four conductors from number 10 to 2/0 stranded on the line side and from number 12 to 4 stranded on the load side. Conductors can be removed and reinstalled. SEC pin kits are designed for 600 volts or less.



Listed  
Double-Pin Connector Kit  
9D70

Parts Lists	
SEC 1791-DP	Double-Pin Kit Complete
SEC 0791-1	Splice Box Body
SEC 1791-DF-1	Double Pin Splice Box Cap
SEC 1791-DP-1	Cap Pin Unit (2 per Kit)
SEC 1791-DS-3	Load Pin Body (2 per Kit)
SEC 1791-DSP-1	Load Pin Unit (2 per Kit)
SEC 1791-DF-5	Connector Lug Assembly (2 per Kit)

### REQUIRED TORQUE INCH POUNDS

CAT NO.	WIRE SIZE	WIRE TYPE	WIRE DIA RANGE (IN)	CUTTING RANGE NO.	TORQUE (IN-LBS)
SEC 1791-DF-5, 0791-1	8	RHH, RHW-2, THW, TW, USE-2, XHHW	15/64	1	100
	6	RHH, RHW-2, THHN, THW, THWN, USE-2, XHHW-2	19/64	1	115
	4	THHN, THW, THWN	5/16	1	115
	4	RHH, RHW-2, USE-2, XHHW-2	23/64	2	115
	3	THHN, THWN	11/32	2	120
	3	THW	3/8	2	120
	2	RHH, RHW-2, THHN, THW, THWN, USE-2, XHHW-2	13/32	2	120

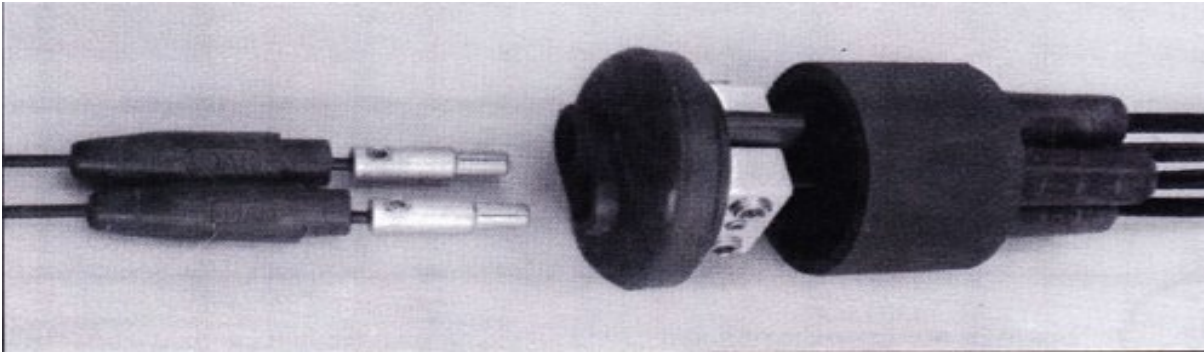
CAT NO.	WIRE SIZE	WIRE TYPE	WIRE DIA RANGE (IN)	CUTTING RANGE NO.	TORQUE (IN-LBS)
SEC 1791-DF-5, 0791-1	1	THWN, THHN, XHHW-2	7/16	2	120
	1	USE-2, RHW, RHH, THW	31/64	3	120
	1/0	USE-2, RHW-2, RHH, THWN, THNN, THW, XHHW-2	17/32	3	120
	2/0	USE-2, RHW-2, RHH, THWN, THNN, THW, XHHW-2	37/64	3	120
SEC 1791-DS-3, 1791-DS-3	8	RHH, RHW-2, THW, TW, USE-2, XHHW	15/64	1	60
	6	RHH, RHW-2, THHN, THW, THWN, USE-2, XHHW-2	19/64	1	60
	4	THHN, THW, THWN	5/16	1	60
	4	RHH, RHW-2, USE-2, XHHW-2	23/64	2	60

### Ordering Instructions

The same kit will fit most conductor sizes from number 10 to 2/0 on line side and number 12 to 4 on load side either copper or aluminum, stranded. One kit will splice four conductors on line side and provide double pins for load side.

## INSTALLING SEC DOUBLE-PIN CONNECTOR KIT

1. Select segment size, a minimum of 5/64" smaller than outside dimensions of insulation on conductors. Cut segment to be used at cutting ring with sharp knife (see illustration for cutting ring dimensions).
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 segments approximately six inches beyond end of splice box body and pin body.
4. Trim insulation from conductors the length of lugs and attach to lug assemblies. Tighten lug assembly according to inch / pound chart.



5. Apply silicone lubricant to inside of segment (splice box body) around conductors.
6. Push cap-lug assembly and conductors into splice box body and check for proper seating. Cap and body must be clean and free of foreign material for proper seal. Lubricate splice box cap seal ring and inside seal ring splice box.
7. Push pin and conductor back into connector body.
8. Plug connector body into cap of splice box. Apply silicone lubricant to pin connector to eliminate rubber friction.
9. 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 place around outside rim of splice box body for double protection. SEC connector kits provides a watertight connection that can be disconnected and reused.

