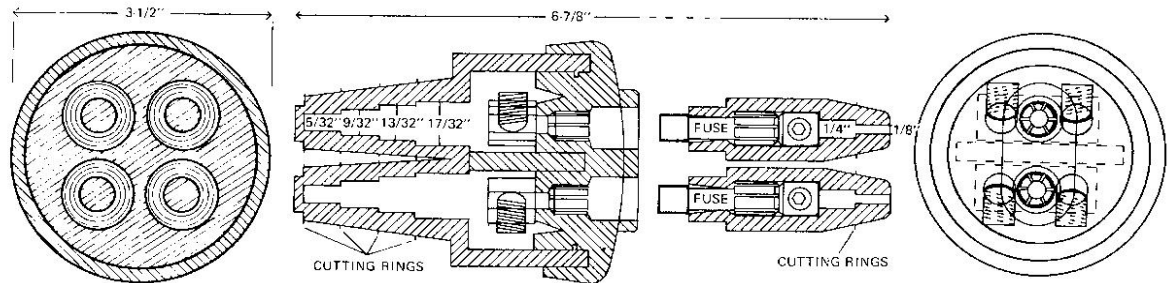


SEC Double-Fused Connector Kit

Model SEC 1791-DF

For Copper or Aluminum Stranded Wire

Fused quick-disconnect type kit for low-voltage copper or aluminum conductor cables. Recommended for street, highway, and flood lighting in outdoor locations in wet or dry areas. The Model SEC 1791-DF connector kit is especially designed to fuse a complete circuit. SEC connector 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 or solid on the load side. Conductors can be removed and reinstalled. Any standard midget, ferrule-type fuse (except glass tube) may be used in this connector kit. Fuse dimensions are 13/32" diameter by 1-1/2" length. SEC fused connectors are designed for 600 volts or less. Maximum fuse rating for this unit is 30 AMP.



Listed
Double-Fused Connector Kit
9D70

Parts Lists	
SEC 1791-DF	Double -Fused Kit Complete
SEC 0791-1	Splice Box Body
SEC 0791-DF-1	Double Fused Splice Box Cap
SEC 0791-DF-2	Line Fuse Holder (2 per Kit)
SEC 0791-DF-3	Load Fuse Body (2 per Kit)
SEC 0791-DF-4	Load Fuse Holder (2 per Kit)
SEC 0791-DF-5	Connector Lug Assembly (2 per Kit)

REQUIRED TORQUE INCH / POUND

CAT NO.	WIRE SIZE	WIRE TYPE	WIRE DIA RANGE (IN)	CUTTING RANGE NO.	TORQUE (IN-LBS)
SEC 1791-DF-5,	8	RHH, RHW-2, THW, TW, USE-2, XHHW	15/64	1	100
0791-1	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

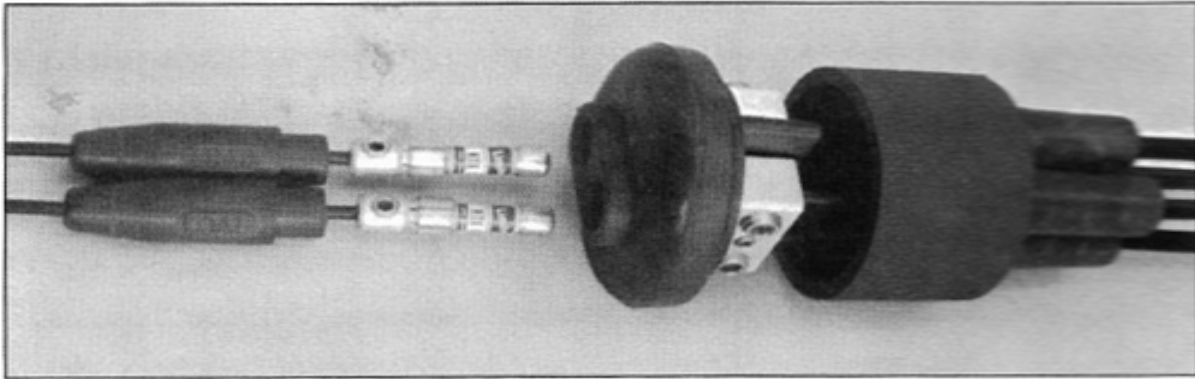
CAT NO.	WIRE SIZE	WIRE TYPE	WIRE DIA RANGE (IN)	CUTTING RANGE NO.	TORQUE (IN-LBS)
SEC 1791-DF-5, 0791-1	1	THWN, THHN, XHHW-2	7/16	2	120
	1	USE-2, RHW, RHH, THW	31/64	3	120
	1/0	USE-2, RHW-2, RHH, THWN, THNN, THW, XHHW-2	17/32	3	120
	2/0	USE-2, RHW-2, RHH, THWN, THNN, THW, XHHW-2	37/64	3	120
SEC 1791-DPS-1 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 wire. One kit will splice four conductors on line side and provided double fusing for load side.

INSTALLING SEC DOUBLE-FUSED 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. Cutting may not be required on fuse holder for small size conductors. (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 material.
3. Insert conductors through opening of segments approximately six inches beyond end of splice box body and fuse holder 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 materials for a proper seal. Apply silicone lubricant to splice box cap seal ring and inside seal ring of splice body.
7. Using dowel provided, push fuse holder and conductor back into fuse body.
8. Install midget fuses and plug fuse body into cap of splice box cap. Apply silicone lubricant to fuse and pin body 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 for better installation. Although not required, electrical tape can be placed around outside rim of splice box body for double protection. SEC double-fused connector kits provides a watertight connection that can be disconnected and reused.

