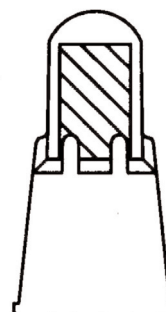


Closed End Connectors

3M™ Scotchlok™ electrical crimp sleeve connectors make fast work of splicing 22 to 10 AWG copper conductors. Smooth flared entry makes wire insertion fast — simply twist conductors together and crimp. The S-11-A and S-31-A connectors are insulated, closed-end crimp sleeve connectors with a copper insert. The rugged and resilient nylon insulator allows these connectors to be used in light fixtures, appliances and other electrical OEM applications.

Terminal Type	Closed End
Insulation Material	Nylon
Maximum Voltage	600 Volt
Maximum Operating Temperature (°F)	221 °F
Maximum Operating Temperature (°C)	105 °C
Manufacturing Origin	Taiwan



S-31

Order No.	UPC	Maximum Wire Gauge	Minimum Wire Gauge	(L)	Cu Solid/Stranded Wire Combinations	Terminals per Carton	Terminals per Case
S-11-A (BULK)	051138-98052	22 AWG	16 AWG	0.83"	2- 5 #22; 1-4 #22 with 1-2 #20; 1-3 #22 with 1 #18; 1 #22 with 1 #16; 2-3 #20	-	10000
S-11-A (BOXED)	051128-58997	22 AWG	16 AWG	0.83"	2-5 #22; 1-4 #22 with 1-2 #20; 1-3 #22 with 1 #18; 1 #22 with 1 #16; 2-3 #20	100	500
S-31-A (BULK)	051138-98044	18 AWG	10 AWG	1.00"	1 #22 with 1 #12 or #10; 1 #22 with 2 #14 or #16; 1 #22 with 1 #20 with 1 #12 or #14; 1 #22 with 1 #18 with 1 #12 or #14; 1 #22 with 1 #16 with 1 #12 or #14; 1 #22 with 1 #14 with 1 #12; 1-2 #20 with 1-2 #14; 1-2 #20 with 1 #12; 1 #20 with 1 #10; 1 #20 with 1 #16 with 1 #12; 1 #18 with 1 #14; 1 #18 with 1 #12; 1 #18 with 2 #16; 1 #18 with 1 #16 with 1 #12 or #14; 1 #16 with 1 #12 or #14; 3 #16; 1 #14 with 1 #12; 2 #14.	-	5000
S-31-A (BOXED)	051128-58996	18 AWG	10 AWG	1.00"	1 #22 with 1 #12 or #10; 1 #22 with 2 #14 or #16; 1 #22 with 1 #20 with 1 #12 or #14; 1 #22 with 1 #18 with 1 #12 or #14; 1 #22 with 1 #16 with 1 #12 or #14; 1 #22 with 1 #14 with 1 #12; 1-2 #20 with 1-2 #14; 1-2 #20 with 1 #12; 1 #20 with 1 #10; 1 #20 with 1 #16 with 1 #12; 1 #18 with 1 #14; 1 #18 with 1 #12; 1 #18 with 2 #16; 1 #18 with 1 #16 with 1 #12 or #14; 1 #16 with 1 #12 or #14; 3 #16; 1 #14 with 1 #12; 2 #14.	50	500