



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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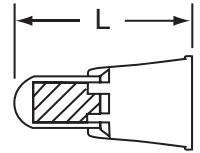
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





# Crimp Sleeve Connector, Nylon Insulated, Steel Insert

## MN14CEC/ST



### Data Sheet

Product Number	Wire Range	AWG (mm <sup>2</sup> ) Wire Range O.D.	L	Barrel Length	Barrel I.D.
MN14CEC/ST	22-14	see chart below	0.76	0.31	0.091



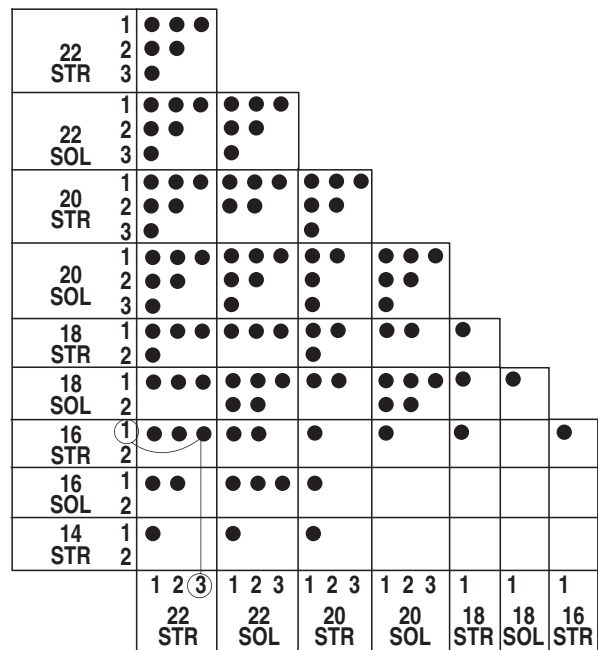
UNDERWRITERS  
LABORATORIES  
STANDARD NO. UL 486C  
3M FILE NO. E23438



CANADIAN STANDARDS  
ASSOCIATION  
STANDARD NO. 22.2  
NO. 0, 188  
3M FILE NO. LR15503

### Specifications

Wire Size: 22-14 AWG Copper wire only  
 Maximum Voltage Rating: 600 V Building Wire, 1000 V signs, fixtures (Luminaires)  
 Maximum Operating Temp: 221°F (105°C)  
 Maximum Current: Same as Wire  
 Insulator Material: Nylon  
 Sleeve Material: Steel  
 Sleeve Plating: Tin



How to read chart:  
 One #16 stranded plus three #22 stranded (equalling four wires) may be connected using an MN14CEC/ST connector.

## Installation Information

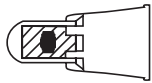
### **WARNING**

Turn power off before installing or removing terminal. All electrical work should be done according to appropriate electrical codes.

UL Listed and CSA Certified for use on solid or stranded copper (AWG) wire only.

Strip away the end 5/16 inch of wire insulation. Hold stripped wire ends even and twist tightly.

Make the crimp in the proper station of a recommended 3M™ crimp tool: TH-440, TH-450 (scissor style) or TR-482 (ratchet style).



 Barrel Crimp (Required)

*Pretwist wires  
before crimping*

## Engineering Specification


3M Crimp-Type Connectors shall, electrically and mechanically, connect permanently to the prestripped ends of two or more copper wires. The connector line shall have regulatory agency coverage (UL Listing CSA Certification). The connectors shall be marked with the wire range and a manufacturer's symbol (↑).

The 3M Steel Insert Closed End crimp type connector shall be tin plated, seamless steel sleeve, 0.31" long and sized for a selection of wire combinations within a specified (AWG) wire range (22-14). The steel sleeve shall be covered by a molded nylon, skirted insulator.

Insulated terminals shall be UL Listed and CSA Certified for 600 Volts maximum, building wire: 1000 Volts maximum, in signs fixtures and luminaires, and have a maximum operating temperature of 105°C.

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# 3M

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