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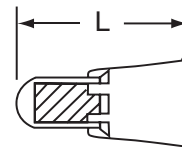
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# Crimp Sleeve Connector, Nylon Insulated, Steel Insert

## MN10CEC/ST



# Data Sheet

Product Number	Wire Range	Copper Wire Combinations	L	Barrel Length	Barrel I.D.
MN10CEC/ST	18-10	see chart below	0.85	0.34	0.152



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:

Maximum Voltage Rating:

Maximum Operating Temp:

Maximum Current:

**Insulator Material:**

Sleeve Material:

### Sleeve Plating:

18-10 AWG Copper  
wire only  
600 V Building Wire  
1000 V signs,  
fixtures (Luminaires)  
221°F (105°C)  
Same as Wire  
Nylon  
Steel  
Tin

18 STR	1	●	●	●																									
	2	●	●	●	●																								
	3	●	●	●																									
	4	●	●																										
18 SOL	1	●	●	●	●	●	●	●																					
	2	●	●	●	●	●	●	●	●																				
	3	●	●	●	●	●	●	●	●	●																			
	4	●	●			●	●																						
16 STR	1	●	●	●	●	●	●	●	●	●																			
	2	●	●	●	●	●	●	●	●	●	●																		
	3	●	●	●	●	●	●	●	●	●	●	●																	
16 SOL	1	●	●	●	●	●	●	●	●	●	●	●																	
	2	●	●	●	●	●	●	●	●	●	●	●	●																
	3	●	●	●	●	●	●	●	●	●	●	●	●	●															
14 STR	1	●	●	●	●	●	●	●	●	●	●	●	●	●															
	2	●	●	●	●	●	●	●	●	●	●	●	●	●	●														
14 SOL	1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●													
	2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●												
12 STR	1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●												
	2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●											
12 SOL	1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●										
	2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
10 STR	1	●																											
	2																												
		1	2	3	④	1	2	3	4	1	2	3	1	2	3	1	2	1											
			18	STR			18	SOL			16	STR			16	SOL			14	STR			14	SOL				12	STR

How to read chart:

One #14 solid plus four #18 stranded (equalling five wires) may be connected using an MN10CEC/ST connector.

## Installation Information

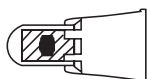
### **⚠ WARNING**

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 3/8 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. 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, annealed seamless steel sleeve, 0.34" long and sized for a selection of wire combinations within a specified (AWG) wire range (18-10). The steel sleeve shall be covered by a molded nylon, skirted insulator of natural color.

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 221°F (105°C).

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