

# Cannon Trident Connectors

TNM Circular Connectors

## How to Order-Connectors

Typical Nomenclature: TNM 6 U 14 - 0012 S 1 L \* 

### Series

TNM = Trident Neptune Metal

### Shell Style

0 = Flange Receptacle (4 holes)  
 6 = Plug  
 7 = Jam Nut Receptacle (Shell Size 14 only)

### Sealing Class

S = Grommet and nut  
 U = Unsealed

### Modification

\* = Standard

### Packaging

B = Bulk (100 pcs)  
 L = Single Pack

### Connector Finish Materials

1 = Standard (Nickel Plated Metal Parts)

### Contact Type

P = Pin  
 S = Socket

### Shell Size and Contact Arrangement

Shell Size		Number of Power Contacts	Number of Signal Contacts
10	-	00	04
12	-	00	08
14	-	00	12
14	-	03	03
14	-	03	04
16	-	00	19
16	-	04	00

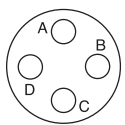
## Contact Cavity Arrangements

### Mating Face View

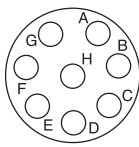
### Shell Size

### Number of Power Contacts

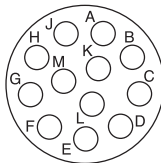
### Number of Signal Contacts<sup>1</sup>



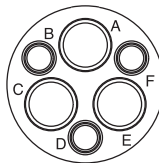
Shell Size 10  
 0 Power  
 4 Signal



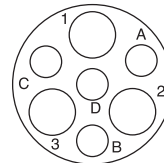
Shell Size 12  
 0 Power  
 8 Signal



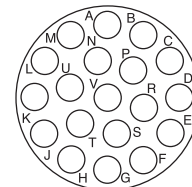
Shell Size 14  
 0 Power  
 12 Signal



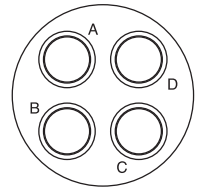
Shell Size 14  
 3 Power  
 3 Signal



Shell Size 14  
 3 Power  
 4 Signal



Shell Size 16  
 0 Power  
 19 Signal



Shell Size 16  
 4 Power  
 0 Signal

<sup>1</sup> Wire sealing range 1,70 to 2,70 (.066 to .106)

# Cannon Trident Connectors

TNM Circular Accessories

## How to Order-Accessories



Typical Nomenclature: **TNA 10 CCSE - 01 L**

Series

TNA- Trident Neptune Accessory

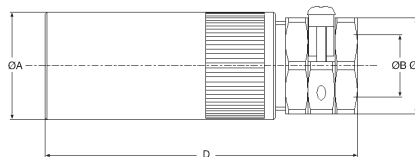
Shell Size

- 10
- 12
- 14
- 16

Packaging

L = Single Pack

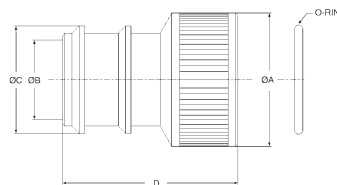
Accessory Style, Type and Size		
<b>Cable Clamp</b>		
CC	HC-00	Sealed
CC	SR-00	Unsealed
CC	SE-00	Universal Shielded Endbell
CC	SE-01	Shielded Endbell for larger Cable Sizes
<b>Heat Shrink Adapter</b>		
HS	AD-00	Heat Shrink Adapter



## Shielded Endbell for Larger Cable Sizes

- Metal body with plastic cable clamp.
- For assembly instructions, see page 82.
- For use with jacketed cables.

Shell Size	Part Number	Nomenclature	Ø A max	Cable Accommodation			
				Outer Sheath Diameter	ØB min	ØB max	ØC
10	192993-0091	TNA10CCSE-01L	18,10 (.712)	5,00 (.196)	10,0 (.393)	19,00 (.748)	70,00 (2.755)
12	192993-0092	TNA12CCSE-01L	21,20 (.834)	6,00 (.236)	12,00 (.472)	21,00 (.826)	72,00 (2.834)
14	192993-0093	TNA14CCSE-01L	24,20 (.952)	7,00 (.275)	14,00 (.551)	23,00 (.905)	78,00 (3.070)
16	192993-0094	TNA16CCSE-01L	27,60 (1.086)	8,00 (.314)	16,00 (.629)	25,00 (.984)	82,50 (3.248)



## Heat Shrink Adapter for use with TNM Circular Connectors

Shell Size	Part Number	Nomenclature	Ø Amax	ØB min	ØC	ØDmax
12	192993-0632	TNA12HSAD-00L	21,20 (.834)	12,20 (.480)	18,00 (.708)	36,00 (1.417)
14	192993-0633	TNA14HSAD-00L	24,20 (.952)	14,20 (5.59)	20,00 (.787)	36,00 (1.417)
16	192993-0634	TNA16HSAD-00L	27,60 (1.086)	16,30 (.641)	22,00 (.866)	36,50 (1.437)



Dimensions shown in mm (inch)  
Specifications and dimensions subject to change

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