



Test Specifications

The table below summarizes the results of key tests. Data is applicable to standard connectors with standard contacts. Variations may affect this data, so please consult factory for further information on your requirements.

Test	Method	Criteria of Acceptance
Dielectric Withstanding Voltage	1550 V ac for 60 seconds 2500 V ac for 60 seconds (Size 1807 only)	No breakdown No breakdown
Thermal Shock	-55°C to +125°C (-67°F to +257°F), 5 cycles	No physical damage.
Physical Shock	50 g's peak, 3 axes, 11 millisecond duration half-sine pulse	No physical damage. No loss of continuity >1 sec
Vibration	10 g's peak, 10-500 Hz, 9 hours	No physical damage. No loss of continuity >1 sec
Durability 500 cycles of mating and unmating, 500 mating cycles max	No mechanical or Electrical defects	
Salt Spray	48 hours	Shall be capable of mating and unmating and meet contact resistance requirements
High Temperature Endurance	1000 hours at 125°C (+257°F)	Insulation Resistance > 100 MΩ
Humidity Steady State	RH 90-95%, 40°C(+104°F), 504 hours	Insulation Resistance > 100 MΩ
Moisture Resistance	10 Cycles	Insulation Resistance > 100 MΩ

How to Order-Connectors

Typical Nomenclature: **TR 16 19 P M S 1 N B**

Series

TR = Trident Ringlock

Shell Size Number of Contacts

10	04
12	08
14	12
16	19
18	07
18	23
20	28
22	35
24	48

Color

B = Black

Material

N = Nylon

Series Identification

1 = Standard

S = Standard

H = Interface Sealing*

P = Plastic Coupling Nut**

M = Accepts Male Contacts

F = Accepts Female Contacts

* Receptacle only

** Shell size 16 and 24 only

P = Plug

R = Receptacle

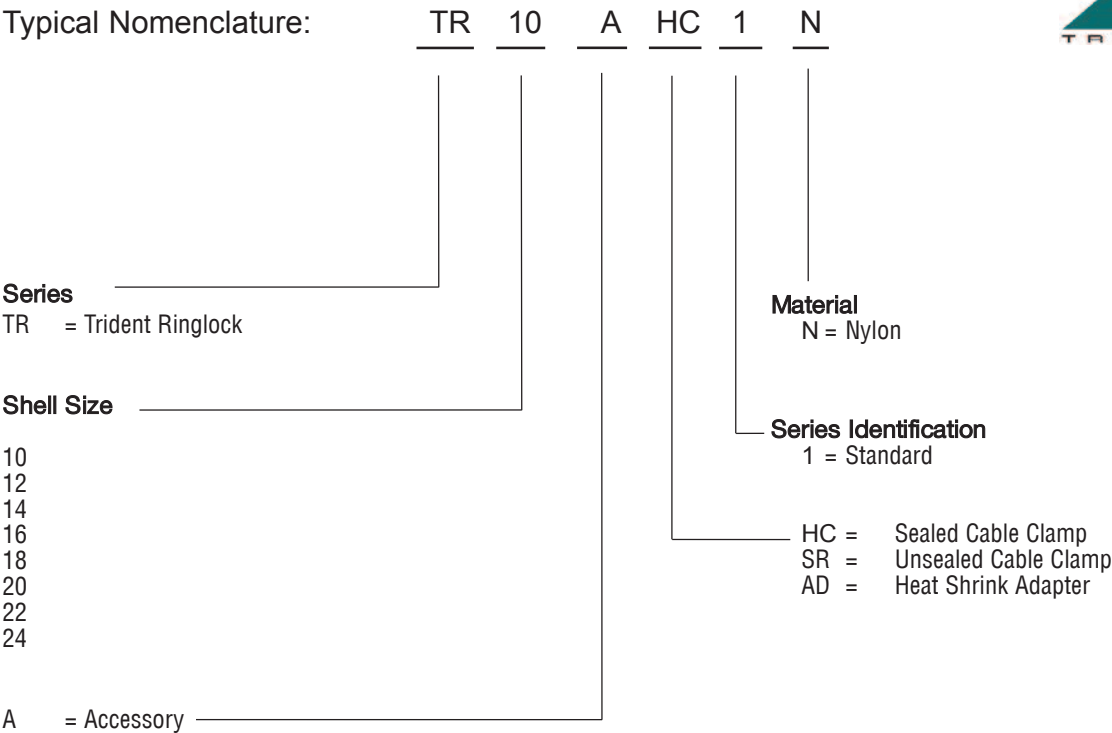
Cannon Trident Connectors

Ringlock Circular Accessories

How to Order-Accessories

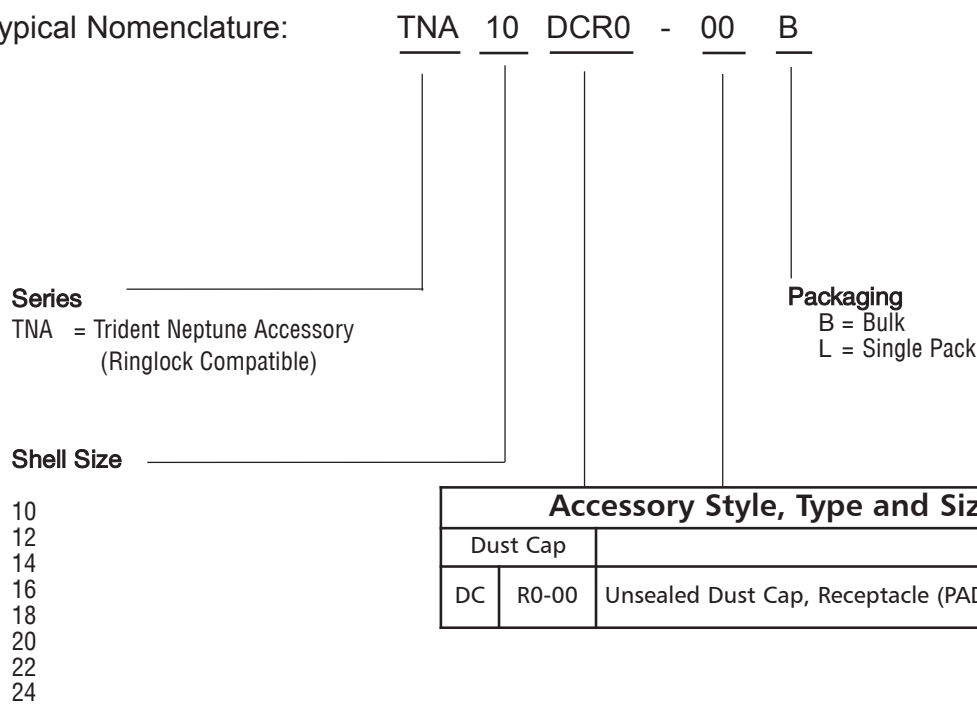


Typical Nomenclature:



How to Order-Dust Caps

Typical Nomenclature:



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

