

**ELECTRICAL**  
 Nominal Impedance: 50 ohms  
 Frequency Range: DC to 4 GHz  
 Voltage Rating: 1,500 volts rms  
 Dielectric Withstanding Voltage: 5,000 volts rms  
 Insulation Resistance: 5,000 megohms  
 VSWR: 1.35 max DC-7GHz

**MECHANICAL**  
 Mating Characteristics: per MIL-C-3643  
 Connector Durability: 500 cycles min.  
 Cable Attachment: Clamp

**ENVIRONMENTAL**  
 Temperature Range: -85°F to +329°F (-65°C to +165°C)  
 Vibration: MIL-STD-202 Method 204 (Test Cond. B)  
 Shock: MIL-STD-202 Method 213 (Test Cond. 1)  
 Moisture Resistance: MIL-STD-202 Method 106  
 Corrosion (salt spray): MIL-STD-202 Method 101 (Test Cond.B)

**MATERIAL / FINISHES**

Body:	Brass, Silver or Nickel Plated
Contacts (Inner):	
Female	Beryllium Copper, Silver or Gold Plated
Male	Brass, Silver or Gold Plated
Contacts (Outer):	Brass, Silver or Nickel Plated
	Beryllium, Silver or Nickel Plated
Contacts (Slotted):	Plated
Insulators:	PTFE or Rexolite
Gaskets & Seals:	Silicone Rubber

Features listed are typical and may vary depending upon cable selection and application.

TRU Corporation offers HN Series connectors are suitable for a wide variety of high voltage applications including etching equipment, sputtering devices, and other wafer processing systems and instrumentation. They are available in many configurations and can be customized to fit any requirement. They are capable of handling up to 5,000 volts, have an impedance of 50 ohms, and a DC to 4 GHz frequency range. They also feature Teflon® dielectric interfaces and long dielectric creep paths. These connectors are covered under MIL-C-3643 and can be manufactured to fit cables from .141 to .5 inch. Standard configurations include right angle and straight plugs, jack, plug receptacles, and in-series and between-series adapters. Complete Cable assemblies are also available.

For leading-edge engineering and custom product designs, look to TRU. Since 1951, we have been providing our customers with quality and cost effective solutions for all of their interconnect applications. We maintain the highest quality standards and manufacture all our products at our modern facility located in Peabody, Massachusetts. Contact your Customer Service Representative today or visit [www.trucorporation.com](http://www.trucorporation.com) to see why we are "The Custom Interconnect Leader".

*Please note that bold model numbers represent the product as shown.*

*Custom connectors can be manufactured to your own specifications.*

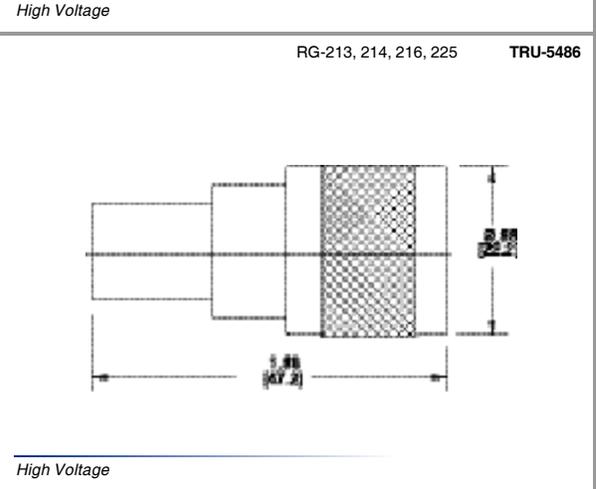
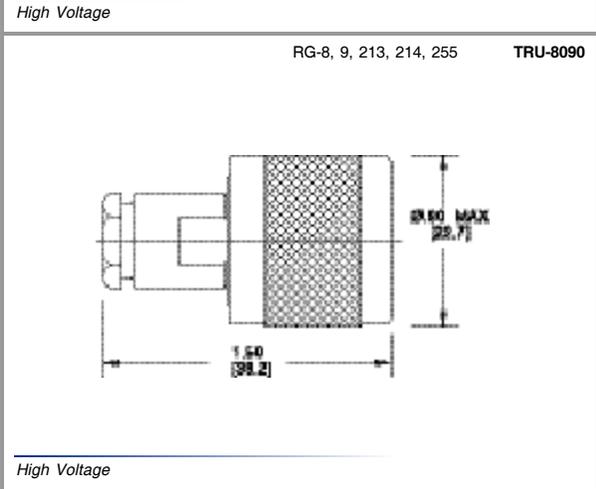
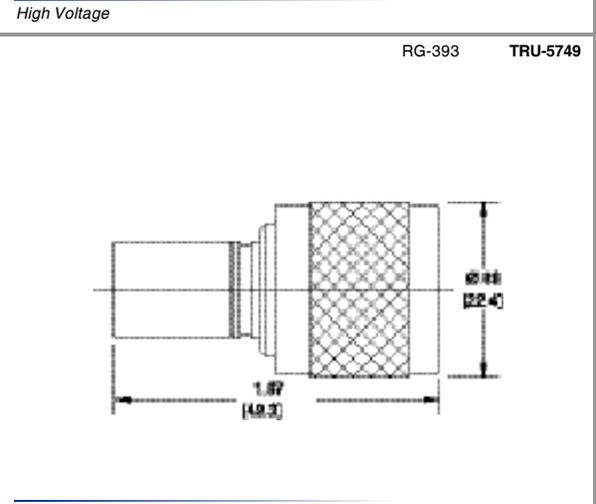
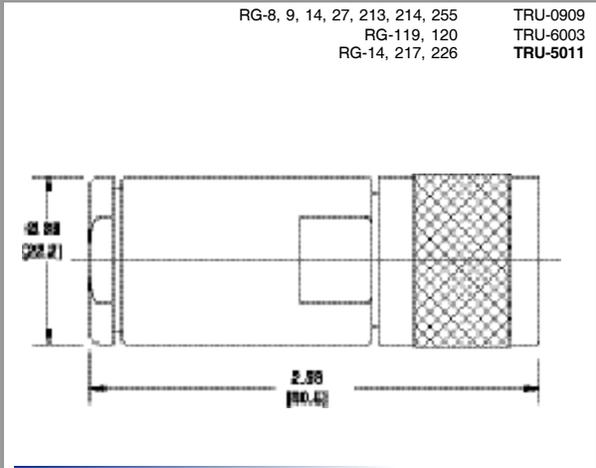
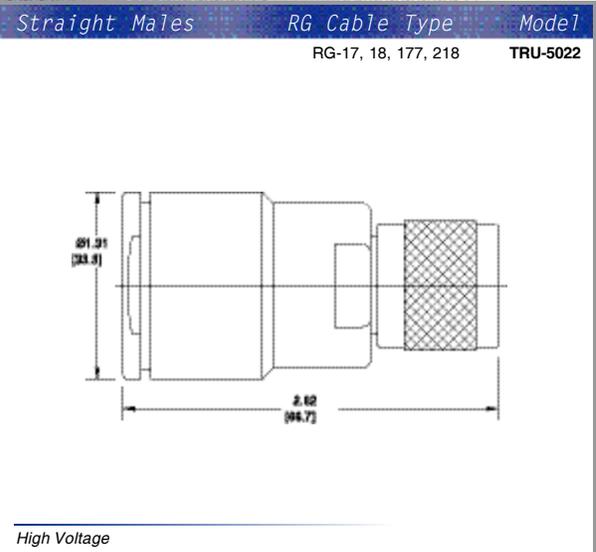
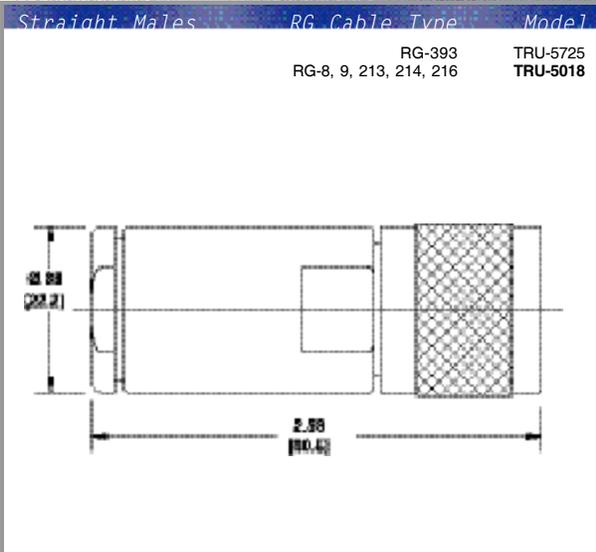


*Please note that the products displayed are only a sampling of our designs.*

**Build Your Own Connector at [www.trucorporation.com](http://www.trucorporation.com)**

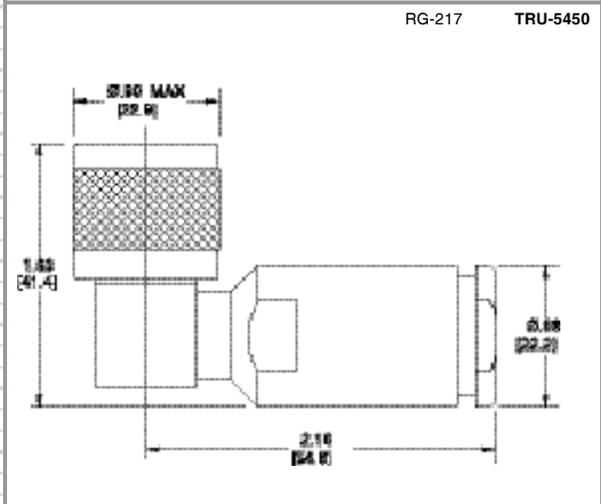
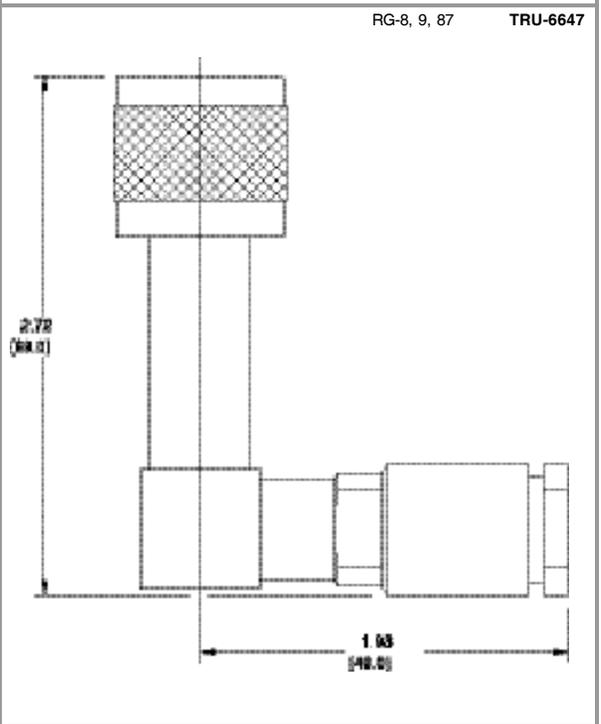
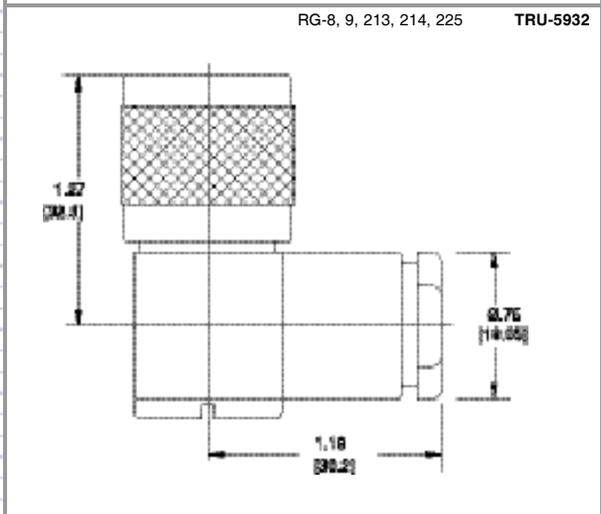
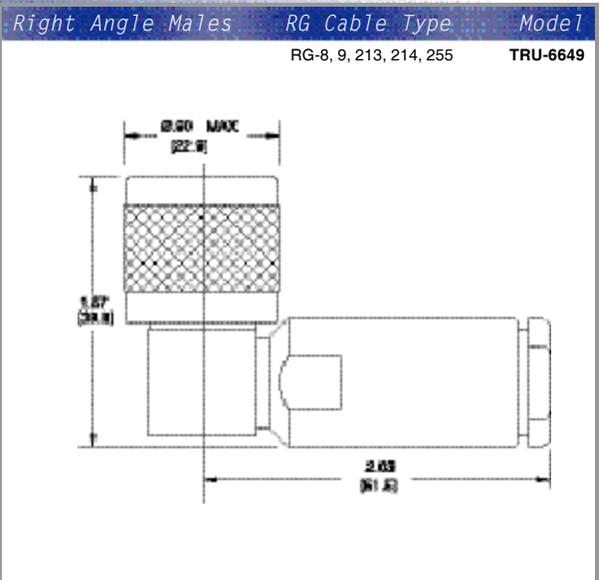
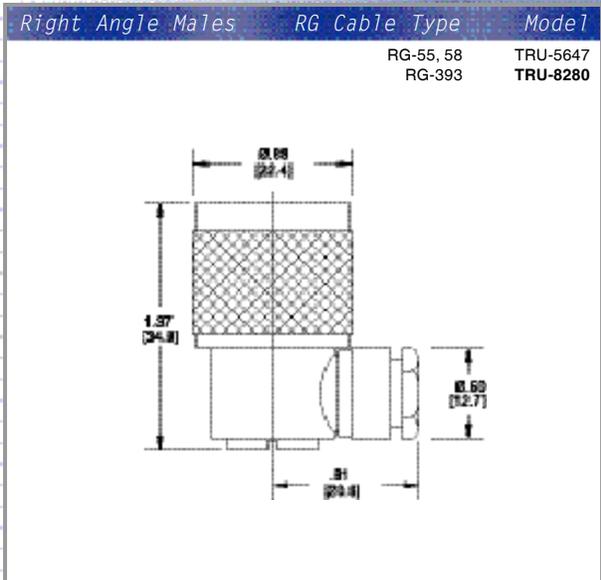


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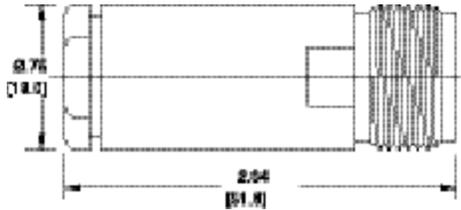
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Straight Females      RG Cable Type      Model

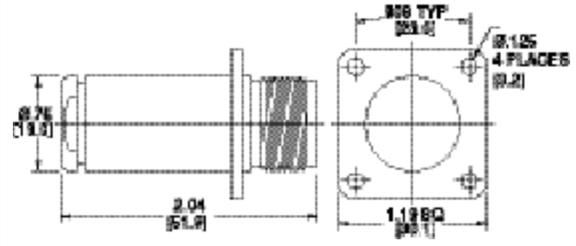
RG-393      TRU-8398  
 RG-8, 9, 213, 214, 216      TRU-5006



High Voltage

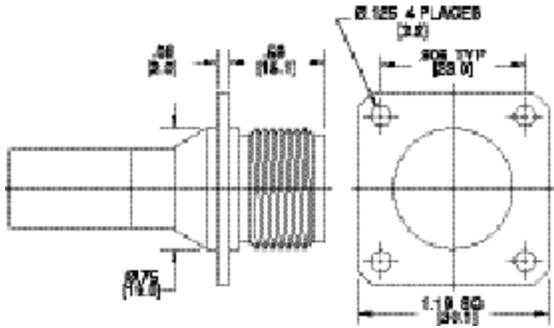
Straight Females      RG Cable Type      Model

RG-8, 9, 213, 214, 255      TRU-6473  
 RG-8, 9, 213, 214, 216      TRU-5020

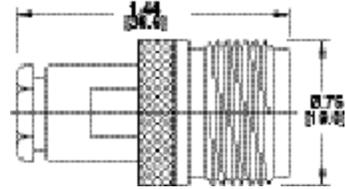


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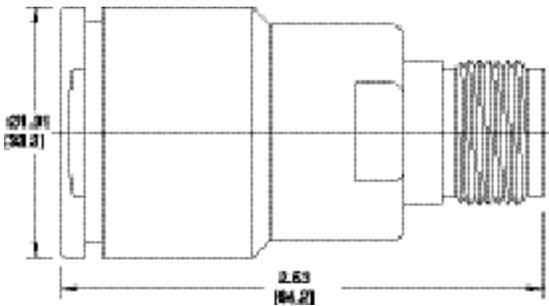
RG-213, 214, 216, 225      TRU-8332



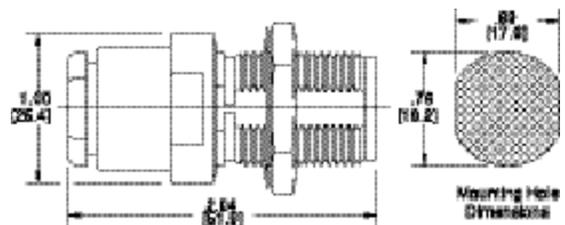
RG-59, 62, 71, 140, 210      TRU-8375



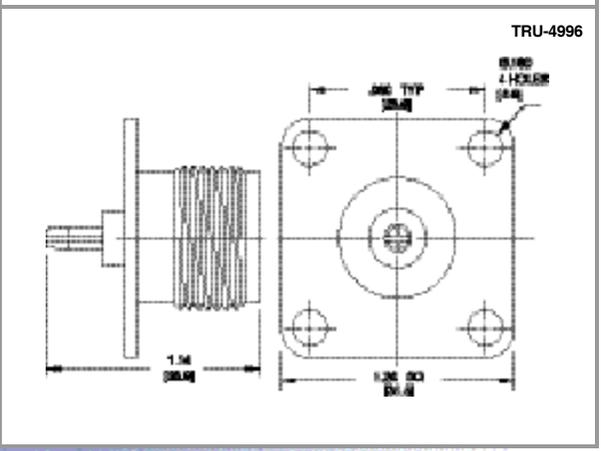
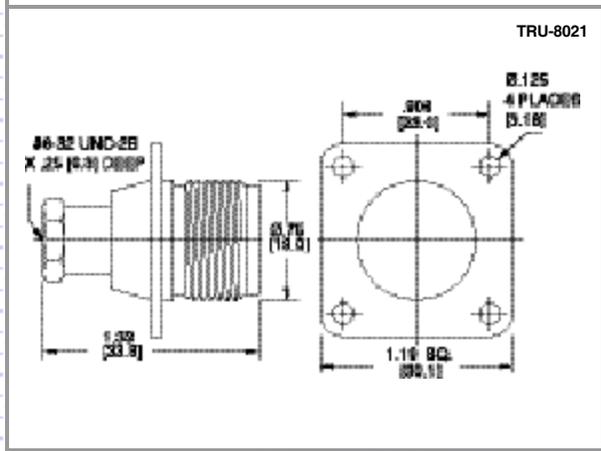
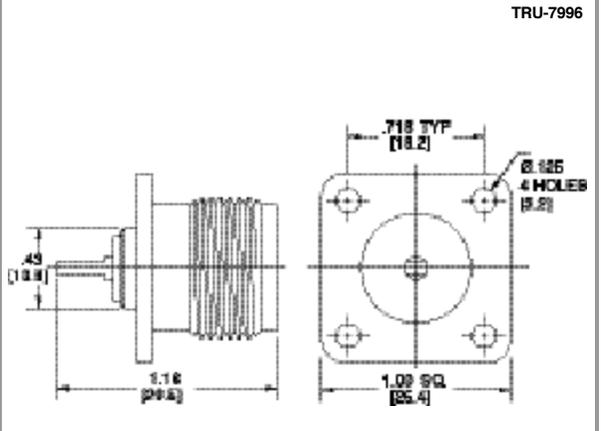
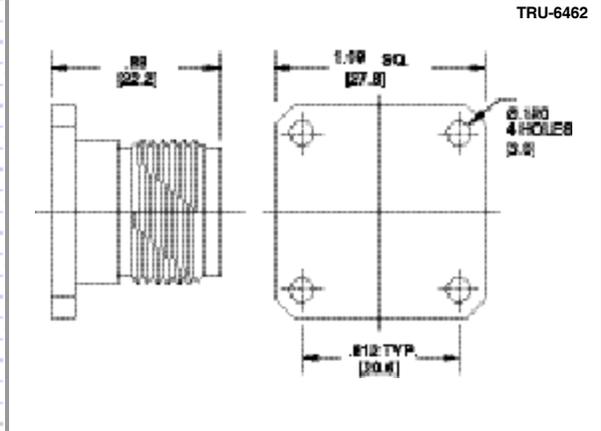
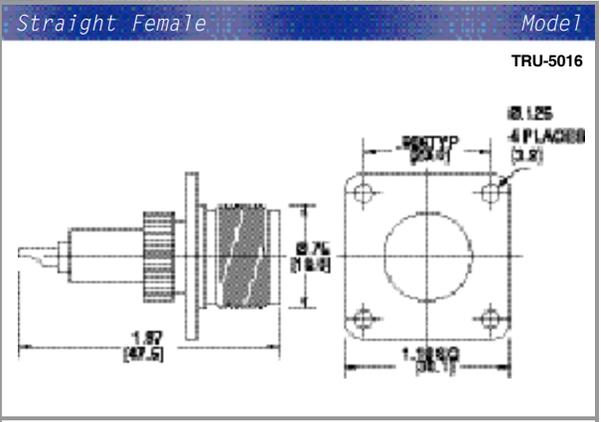
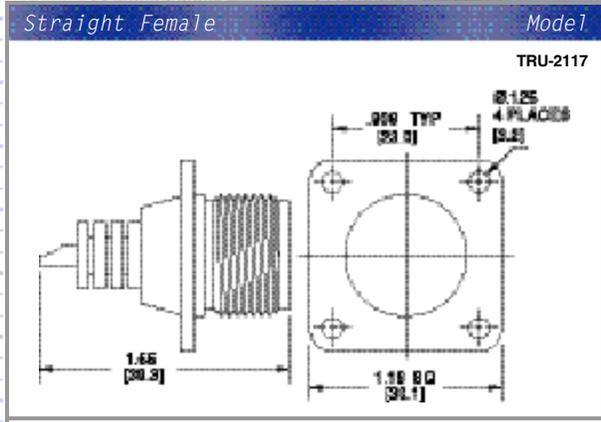
RG-17, 18      TRU-0910



RG-393      TRU-6490

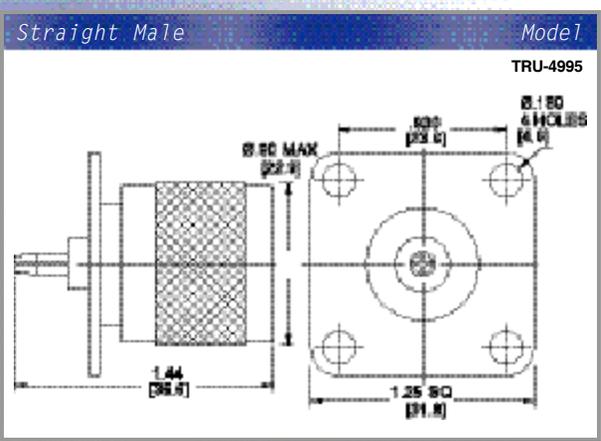


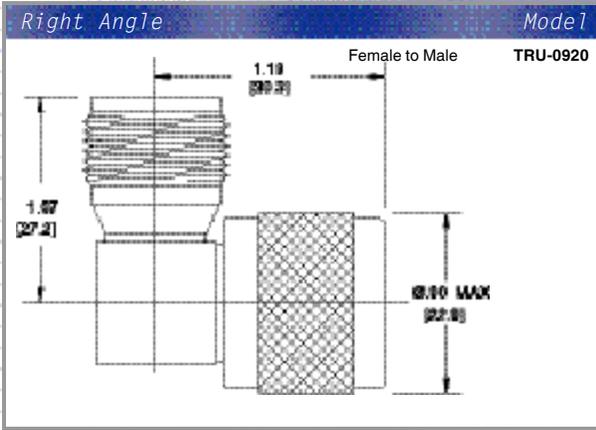
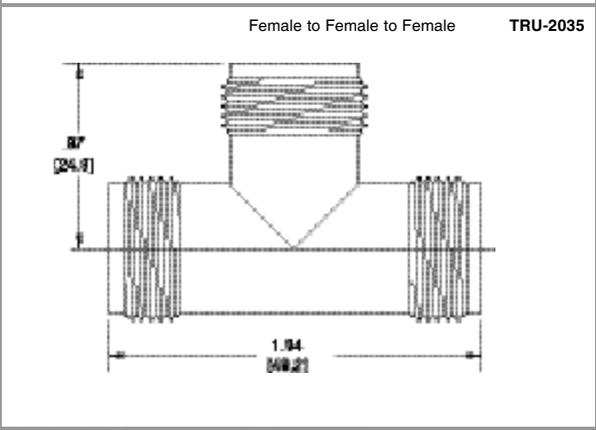
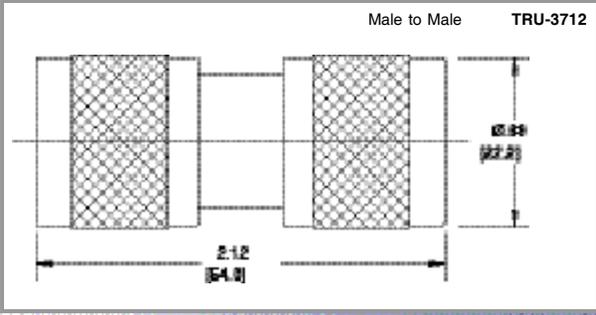
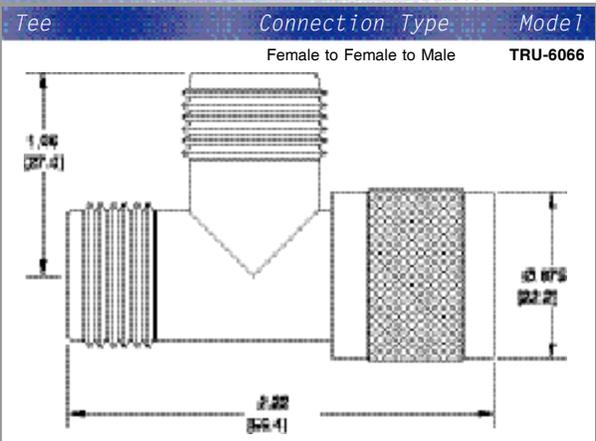
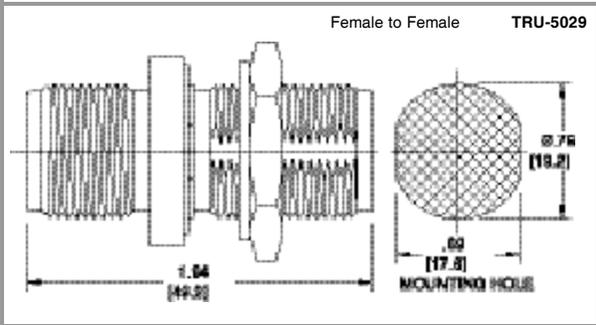
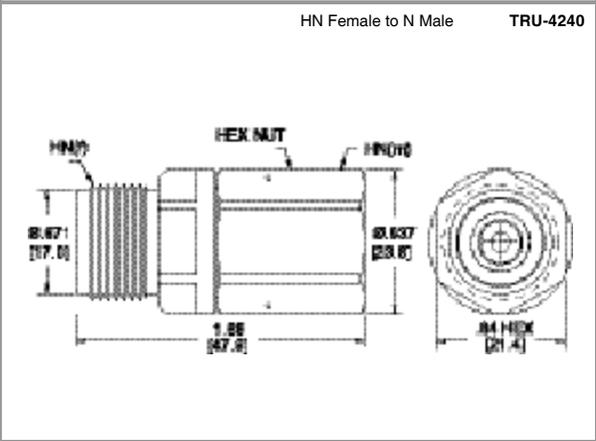
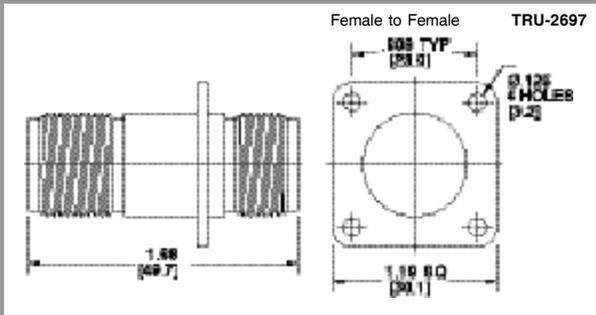
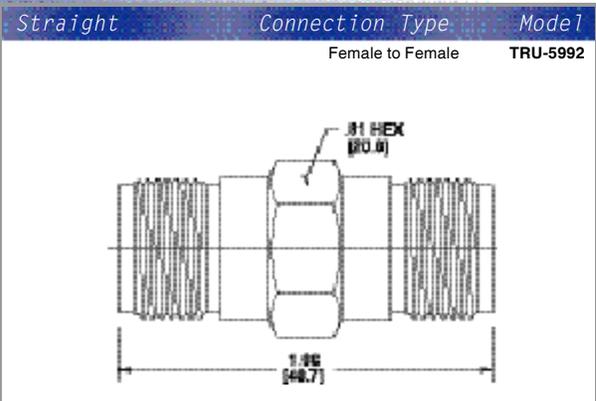
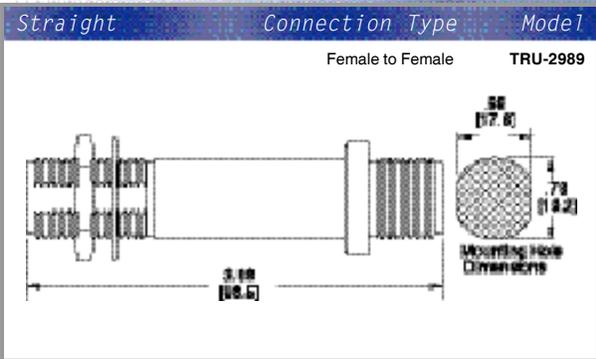
High Voltage

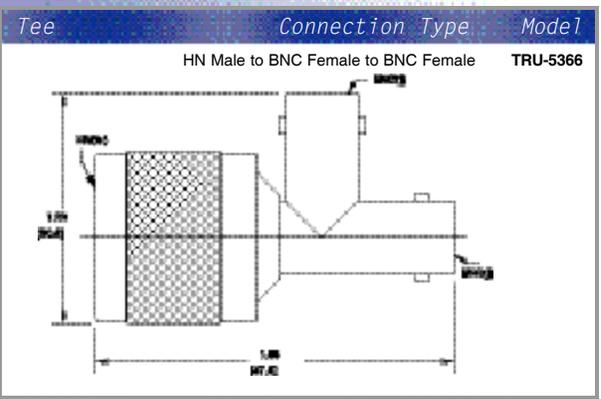
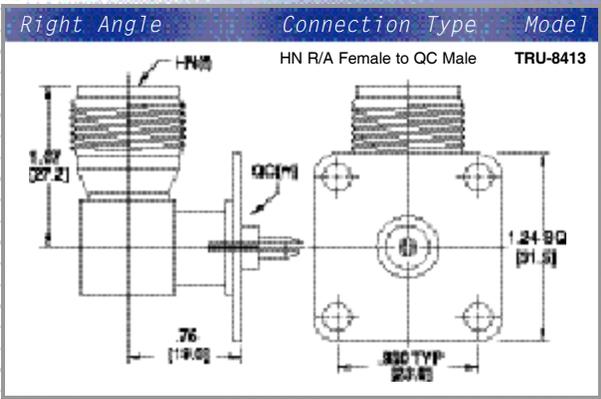
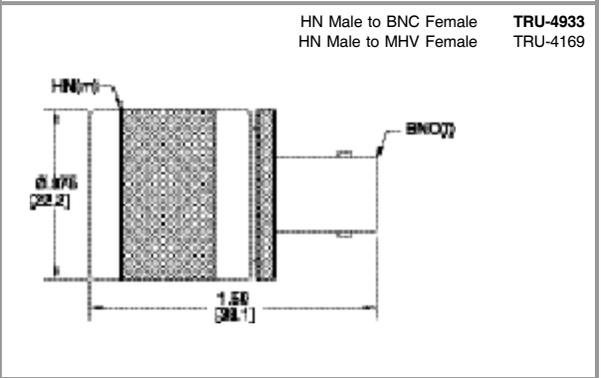
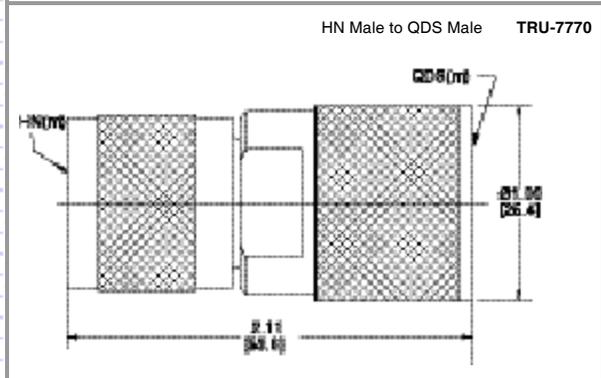
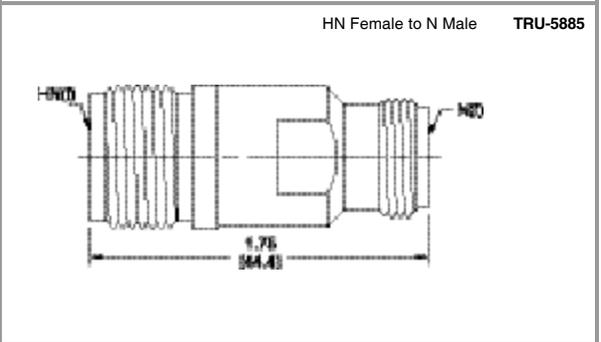
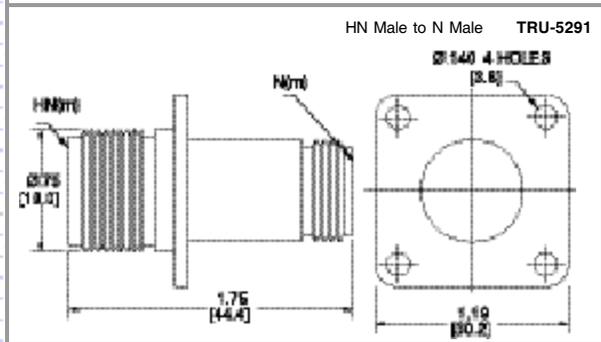
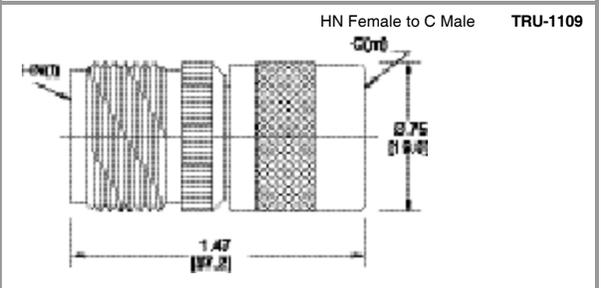
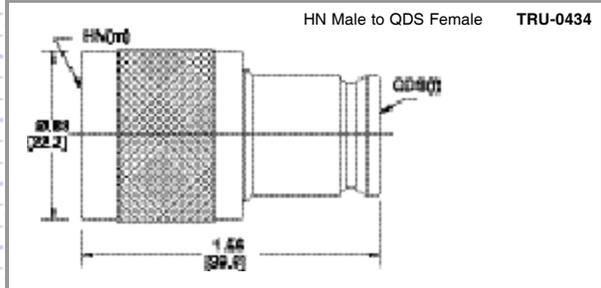
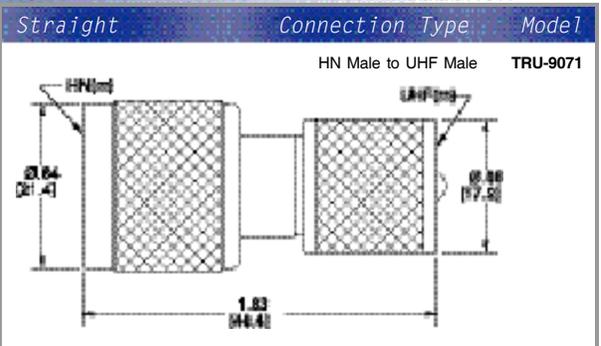
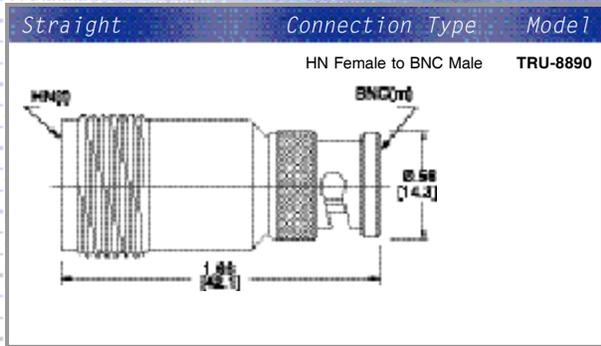


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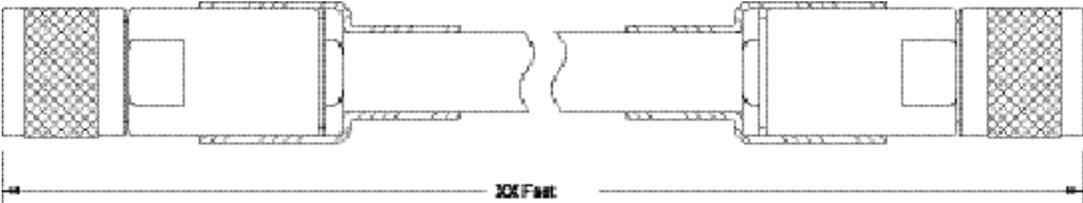
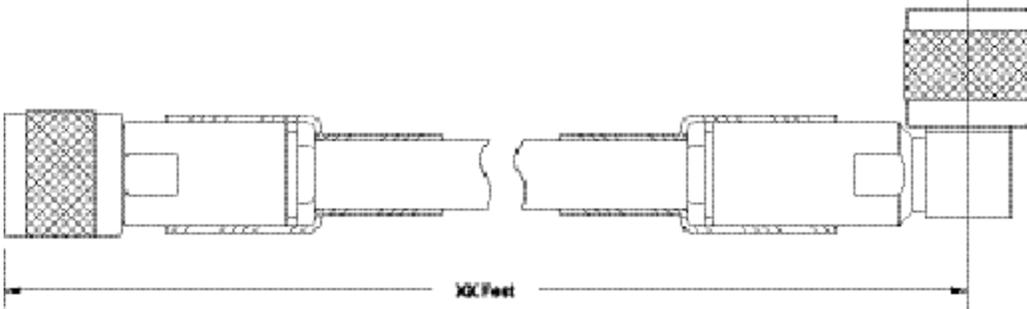
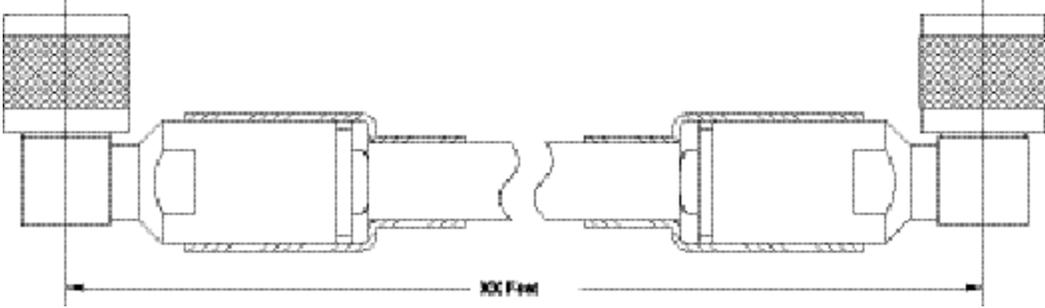
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Straight	Cable Type	Connections	Model
	RG-393 RG-217	HN Male to LC Male	TRU-7995 TRU-6990
	RG-393 RG-217	HN Male to N R/A Male	TRU-6836 TRU-7972
	RG-393 RG-217	HN R/A Male to N R/A Male	TRU-8350 TRU-6835