

# Triax/Twinax Connectors

## FEATURES & BENEFITS

**Large/medium threaded connectors designed for rugged use**

**Polarized keyway construction for correct dual contact mate**

**Quick clamp assembly without requiring special tools**

**Triax/Twinax BNC and TNC coupling provide customer flexibility in their design**

**PTFE insulators allow for high temperature applications**

## APPLICATIONS

**1553 Data Bus**

**Components**

**Computer Networks/LAN**

**Process Equipment**

**Broadcasting**

**Cable Assemblies**



# Triax/Twinax Connectors

SV Microwave offers a complete line of Triax and Twinax connectors used in applications where maximum RF shielding and minimum noise radiation is required. These connectors are precision machined for consistent performance dependability and can be used with a wide range of cables. They are also available with a clamp assembly that allows for cable assembling without special tools.

Triax and Twinax connectors are waterproof, have metallic parts formed to extremely close tolerances, and PTFE insulators for high temperature applications. These connectors are used with 50 to 95 Ohm conductor cables and operate from 0-500 MHz. Due to their shielding characteristics, these connectors are used in balanced low level and high sensitivity circuits.

## Specifications

### Electrical

Frequency Range	0-500MHz
Impedance	Used with
Twinax	78 and 95 Ohm Twin conductor cables
Triax	50, 75 and 93 Ohm Triaxial cables
Voltage rating	
Twinax	500 volts peak
Triax	5000 volts peak with PTFE insulators, 1900 V peak with styrene insulators

### Material

Contacts	Male: Brass Female: Beryllium copper Silver or gold plated
Other metal parts	Brass, nickel finish
Insulators	Copolymer of styrene, Noryl, or polyester, as listed
Clamp gaskets	Silicone or synthetic rubber

### Environmental

Temperature Range	
Copolymer of Styrene	-55°C to +85°C
Noryl	-45°C to +121°C
PTFE	-65°C to +165°C
Weatherproof	All Triax/Twinax Contact connectors are weatherproof

