

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

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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

