BNCT

Microworld BNCT BNC T-Shaped Connector

Product Overview

Microworld BNCT BNC T-Shaped Connector, 3-port coaxial Adapter for splitting or combining signals, Connector Configuration of 1 x BNC Male plug to 2 x BNC Female jacks, Bayonet twist-lock coupling Type for Secure connection, Body constructed from nickel-plated material, Contacts made of Gold-Plated brass





Specifications

Overview Summary:

Upgrade your connectivity setup with the Microworld BNCT BNC T-Shaped Connector, a reliable 3-port solution designed to split or combine signals efficiently. Ideal for professionals and enthusiasts in South Africa working on CCTV security systems, RF data networks, or laboratory test equipment, this adapter ensures stable transmission up to 4 GHz. Its durable nickel-plated body and gold-plated brass contacts provide long-lasting performance with a secure bayonet twist-lock coupling.

Whether you need to distribute video signals across multiple monitors or manage complex RF configurations, the BNCT offers a versatile right-angled design that simplifies installation. Don't compromise on signal quality; buy now to enhance your network infrastructure with this high-performance component trusted for its precision and reliability in demanding environments.

Performance tier: Professional Grade

Uses:CCTV security cameras, DVRs, Ethernet networks, RF radio equipment, laboratory test equipment

Overview:

The Microworld BNC T-Shaped Connector, part number BNCT, is a reliable three-port coaxial adapter designed to split or combine BNC signals efficiently. Often known as a T-piece or tee adapter, this component allows a single signal source to be distributed across two separate paths or merges two inputs into one output. It is the ideal solution for professionals working with CCTV security cameras, DVRs, Ethernet networks, and laboratory test equipment where signal integrity is paramount.

Description:

This high-performance connector features a robust nickel-plated body and gold-plated brass contacts to ensure low-loss

transmission and long-lasting durability. Designed with a bayonet coupling mechanism, it offers quick and secure twist-lock connections that withstand up to 500 mating cycles. Whether you require the standard 75 ohm impedance for video applications or the 50 ohm variant for RF data systems, this adapter delivers consistent performance across operating temperatures ranging from -40degrees C to +85degreesC.

Features:

Connector Design and Signal Splitting
The BNCT model utilizes a standard configuration of one BNC male plug connecting to two female jacks, though right-angled orientations are also available. This layout enables users to easily expand their cabling infrastructure without signal degradation. The bayonet twist-lock coupling ensures the connection remains secure even in environments with vibration or movement.

- Connector Configuration: 1 x BNC Male (Plug) and 2 x BNC Female (Jack)
- Coupling Type: Bayonet Twist-Lock for rapid setup
- Signal Capability: Splits one input to two outputs or combines signals

Technical Specifications and Materials:

Built for reliability in demanding environments, the connector employs a PTFE dielectric material which supports frequencies up to 4 GHz. The internal contacts are gold-plated brass to minimize resistance, while the nickel-plated exterior provides excellent corrosion resistance. It is rated to handle voltages of 500V at 50 Hz and maintains stability across a wide thermal range.

- Impedance Options: Available in 50 Ohm (RF/Data) or 75 Ohm (Video/CCTV)
- Maximum Frequency: Up to 4 GHz
- Body Material: Nickel-Plated for durability
- Contacts: Gold-plated Brass for conductivity
- Dielectric: PTFE (Teflon) for low signal loss
- Durability Rating: Minimum of 500 mating cycles

Environmental Ratings and Applications
This adapter is engineered to operate reliably in extreme conditions, with a standard temperature range from -40degrees C to +85degrees C. Certain models are rated for even broader ranges extending down to -65degrees C and up to +165degrees C, making them suitable for both indoor control rooms and outdoor surveillance installations. Its versatility makes it a staple component for RF radio equipment, Token Ring networks, and general-purpose signal distribution tasks.

What's in the box
The package includes one Microworld BNC T-Shaped Connector (Part Number BNCT) ready for immediate installation into your coaxial cabling system.

Specifications:

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Specifications	
Product Code	BNCT
Connector Configuration	1 x BNC Male (Plug), 2x BNC Female (Jack)
Impedance	Available In Both 50 Ohm (Common For RF / Data) And 75 Ohm (Common For Video / CCTV)
Maximum Frequency	Up To 4 GHz

Voltage Rating	500 /50 Hz
Coupling Type	Bayonet (Twist-Lock) for quick connection / disconnection
Material	
Body	Nickel-Plated
Contacts	Gold-plated Brass
Dielectric	PTFE (Teflon)
Operating Temperature	-40degreesC to +85degreesC (Some Rated Up To -65degreesC - +165degreesC)
Durability	= 500 Mating Cycles

FAQ

What is the connector configuration of this BNC T-Shaped Connector?
The BNCT features a 3-port design with one BNC Male (Plug) and two BNC Female (Jacks), allowing you to split or combine signals efficiently.

Is this adapter suitable for both video and data applications?
Yes, it is available in both 50 Ohm impedance for RF and data equipment, as well as 75 Ohm for video and CCTV systems, supporting frequencies up to 4 GHz.

How durable is the T-piece connector?
This unit is built with a nickel-plated body and gold-plated brass contacts, ensuring it can withstand at least 500 mating cycles while maintaining low-loss signal transmission.

What type of connection mechanism does it use for installation?
The adapter utilizes a Bayonet (Twist-Lock) coupling type, which allows for quick and secure connections or disconnections during setup.

Can this connector operate in extreme environmental conditions?
Yes, the device is designed to function within an operating temperature range of -40degrees C to +85degrees C, with some models rated up to -65degrees C and +165degrees C.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: https://www.comx-computers.co.za/BNCT-Microworld-BNCT-BNC-T-Shaped-Connector-p-341237.php

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