

# 12GHz BNC Coaxial Connectors

## BNC plug for 12G Applications

Part Number XBT-1069-NGXX (Standard Version)

### General Description

Our range of 12GHz Precision BNC coaxial connectors are optimised for 4K/Quad HD and Ultra HD Broadcast applications and have been developed under the CoaxVision™ Brand name, while meeting the JIJA CoaXPRESS specification. These high performance connectors allow you to achieve a 12GHz channel in one single connection. The BNC connectors are mateable with any standard BNC connector, but to achieve peak design performance we recommend using Cambridge Connectors 12GHz CoaxVision™ BNC plug and socket. The XBT-1069-RGXX connector is an cable mounted plug which can be used with Belden cables types 1694A, 4694R, 4855R, 4505R and 4794R.

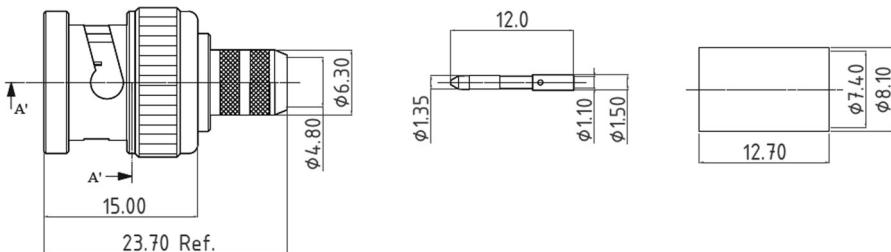


### Electrical Specification

Impedance:	75Ω
Frequency Range:	0-12GHz
Working Voltage:	≥500Vrms
Dielectric Withstanding Voltage:	≥1500Vrms
Reflection Factor (VSWR):	<1.50 <sup>(max)</sup> DC - 12GHz
Contact Resistance:	Centre contact 1.5mΩ Outer contact 1.0mΩ
Insulation Resistance:	>5 GΩ
Connector Type:	Male
Materials	
Centre Pin:	Brass / 2μAu
Metal Parts:	Standard—Brass/Ni
Insulators:	PTFE
Environmental	
Temp Range:	-65 to +165°C
Mating Cycles:	50

### Features

- Precision 12GHz 75 Ω BNC Connector
- Optimised for 4K/Quad HD and Ultra HD Broadcast Applications
- One single connection for each 12GHz Channel
- Compatible with all 12GHz BNC Sockets



12GSDI  
CoaxVision™

Return loss graph of 12GHz BNC plug P/N XBT-1069-NGAS for use with Belden 4694R Cable

