

12GHz BNC Coaxial Connectors

BNC plug for 12G Applications

Part Number XBT-1068-BGXX (Professional 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 J1A 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-1068-BGXX connector is an cable mounted plug which can be used with Belden cables types 1694A, 4694R, 4855R, 4505R and 4794R

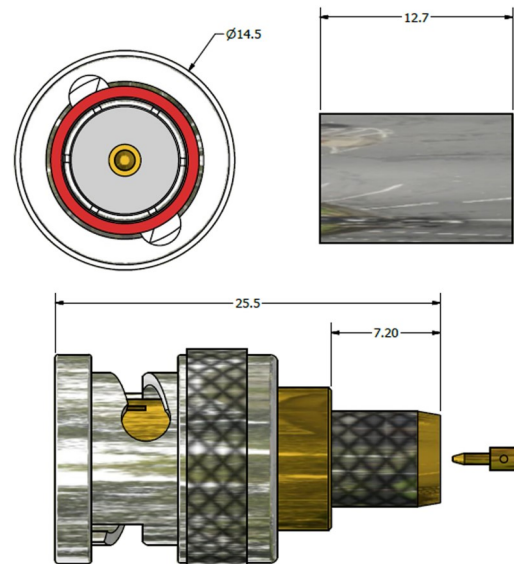


Electrical Specification

Impedance:	75Ω
Frequency Range:	0-12GHz
Working Voltage:	500Vrms
Dielectric Withstanding Voltage:	1500Vrms
Reflection Factor ^(VSWR) :	1.25 ^(max) DC - 12GHz
Contact Resistance:	Centre contact 1.5mΩ Outer contact 1.0mΩ
Insulation Resistance:	>5G Ω
Connector Type:	Male
Materials	
Centre Pin:	BeCu / 10 μ" Au
Metal Parts:	Standard—Brass/Ni
Insulators:	PTFE
Environmental	
Temp Range:	-65 to +85°C
Mating Cycles:	250

Features

- Precision 12GHz 75 Ω BNC Connector
- Optimised for 4K/Quad HD and Ultra HD Broadcast Applications
- One single connection for each 12GHz Channel
- Cable Styles include Belden 4749R and 4694R
- Compatible with Cambridge Connectors 12GHz BNC Sockets



12GSDI

CoaxVision™

Return Loss Graph
of 12 GHz BNC Plug Part No: XBT-1068-BGAS
mated to 12GHz end launch BNC Socket
Part No: C-SX-141

