

12GHz BNC Coaxial Connectors

BNC Socket for 12G Applications

Part Number XBT-1070-NGBA

General Description

The XBT-1070-NGBA cable mounted BNC free socket, suitable for cables in the group BA, which includes Belden 1855A, 4855R and mini RG59. The connector provides a high reliability low cost option, while still providing speeds of 12Gbits/s over a single channel and meeting the SMPTE ST-2082 12G-SDI specification.

Electrical Specification

Impedance:	75 Ω
Frequency Range:	0-12GHz
Working Voltage:	$\geq 500V_{rms}$
Dielectric Withstanding	
Voltage:	$\geq 1500V_{rms}$
Reflection Factor ^(VSWR) :	$< 1.20^{(max)}$ DC - 12GHz
Contact Resistance:	Centre contact 1.5m Ω Outer contact 1.0m Ω
Insulation Resistance:	$> 5 G \Omega$
Connector Type:	Male
Materials	
Centre Pin:	BeCu / 2 μ "Au
Metal Parts:	Brass/Ni
Insulators:	PTFE
Environmental	
Temp Range:	-65 to +165°C
Mating Cycles:	500

Features

- One single connection for each 12GHz Channel
- Compatible with all 12GHz BNC Plugs
- High reliability, low cost
- Suitable for cables in group BA

