

# 12GHz BNC Coaxial Connectors

## BNC Socket for 12G Applications

### Part Number XBT-1070-NGBA

#### General Description

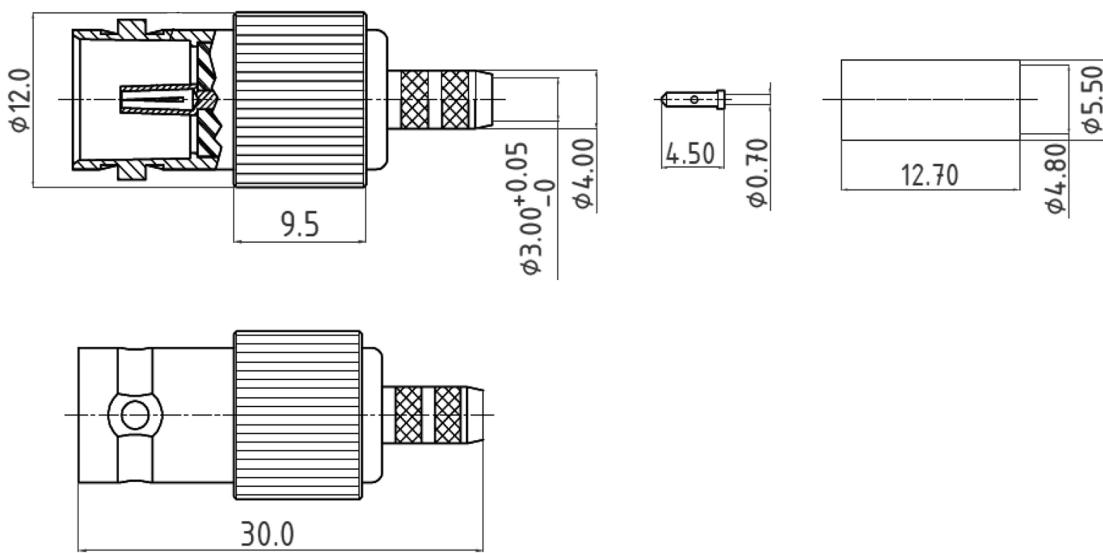
The XBT-1070-NGBA cable mounted BNC free socket, suitable for cables in the group BA, which includes Belden 1855A, 4855R and mini RG59. The connector provides a high reliability low cost option, while still providing speeds of 12Gbits/s over a single channel and meeting the SMPTE ST-2082 12G-SDI specification.

#### Electrical Specification

Impedance:	75Ω
Frequency Range:	0-12GHz
Working Voltage:	≥500Vrms
Dielectric Withstanding	
Voltage:	≥1500Vrms
Reflection Factor <sup>(VSWR)</sup> :	<1.20 <sup>(max)</sup> DC - 12GHz
Contact Resistance:	Centre contact 1.5mΩ Outer contact 1.0mΩ
Insulation Resistance:	>5 G Ω
Connector Type:	Male
Materials	
Centre Pin:	BeCu / 2μ" 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



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