CAMBRIDGE ELECTRONIC INDUSTRIES

75Ω BNC Plug 12GHz Cable Mount
Part Number XBT-1069-NGXX
Issue 1.0

General Description

The XBT-1069-NGXX is a 12 GHz cable-mounted plug designed for high-frequency broadcast applications, supporting 4K/Quad HD and Ultra HD video transmission in accordance with SMPTE ST 2082 and CoaXPress CXP12 standards; Whilst offering a cost effective professional solution.



For optimum high-frequency electrical performance, the centre contact is recommended to be soldered to the cable, providing a reliable low-loss signal connection. Alternatively, the contact can be crimped. The rear ferrule is crimped onto the cable to provide a secure and mechanically robust cable termination suitable for professional broadcast applications.

The connector is available for a number of different cable sizes including:

- XBT-1069-NGAB - Belden 1505A &4505R, RG140/U, RG59, RG59B/U, URM 90
- XBT-1069-NGAF - RG179, RG179B/U, RG187A/U, RG179DT
- XBT-1069-NGAS - Belden 1694A, 1694F, & 4694R, Canford SDV-F-R, Canford SDV-XF, RG6
- XBT-1069-NGBA - Belden 1855A & 4855R, Mini RG59
- XBT-1069-NGBC - Belden 1505F
- XBT-1069-NGBD - Belden 1794A, 4794R
- XBT-1069-NGDE - RG179, CFKOAX1 HF75-0.3/1.6

Electrical

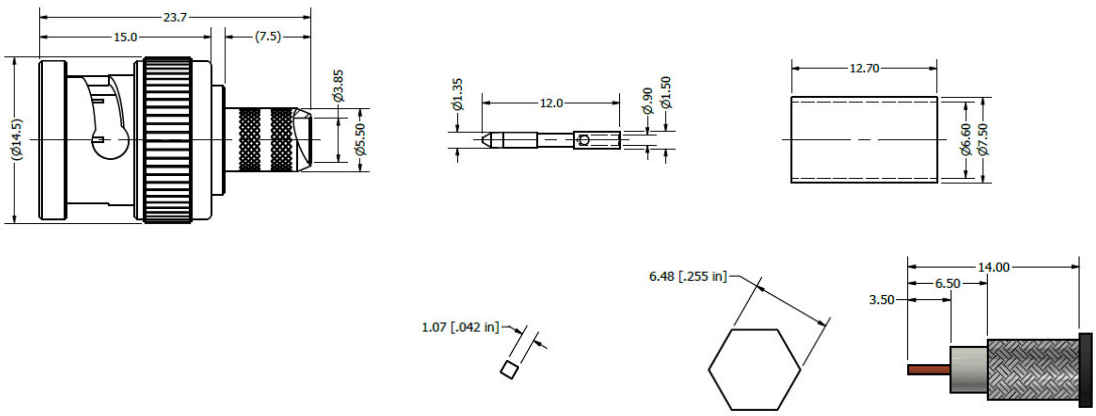
Impedance		75Ω
Frequency Range		0-12GHz
Working Voltage		500Vrms
Dielectric Withstanding Voltage		1500Vrms
Insulation Resistance		≥5000MΩ
Contact Resistance	Centre Contact	≤ 1.5mΩ
	Outer Contact	≤ 1.0mΩ

Materials

Centre Pin	PhosBronze / Au
Metal Parts	Brass/Ni
Insulators	PTFE

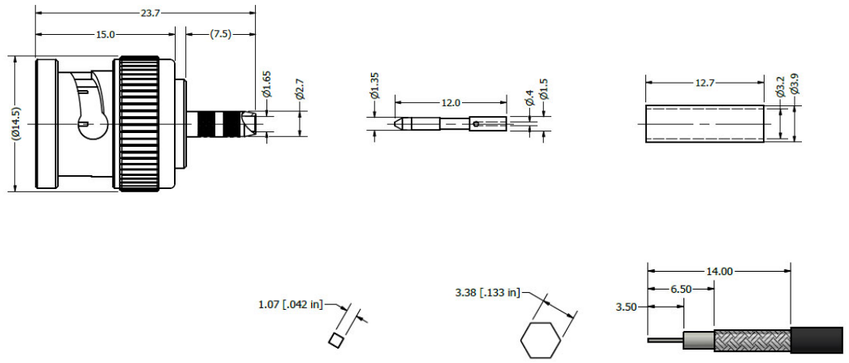
Environmental

Connector Type	BNC Male
Temp Range	-65 to +85°C
Mating Cycles	250

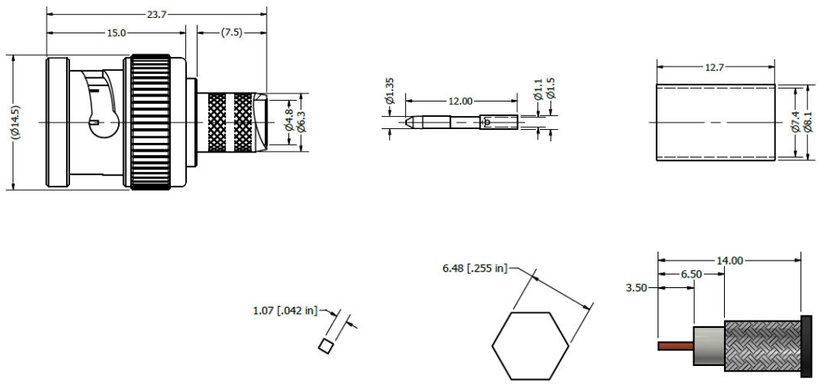


XBT-1069-NGAB - Drawing and Cable Preparation (Issue 1.1)

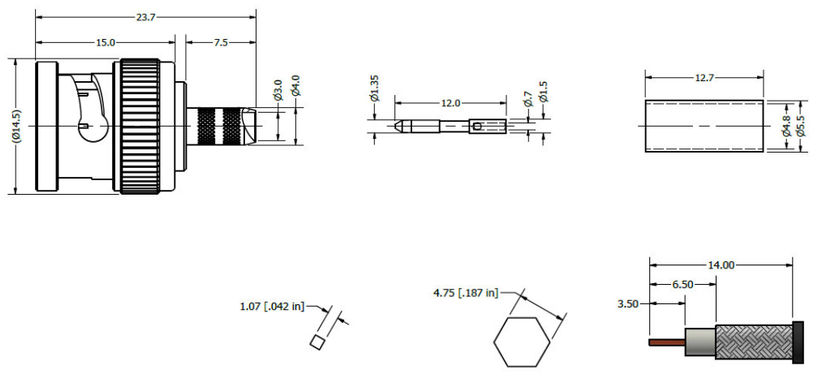
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XBT-1069-NGAF - Drawing and Cable Preparation (Issue 1.1)



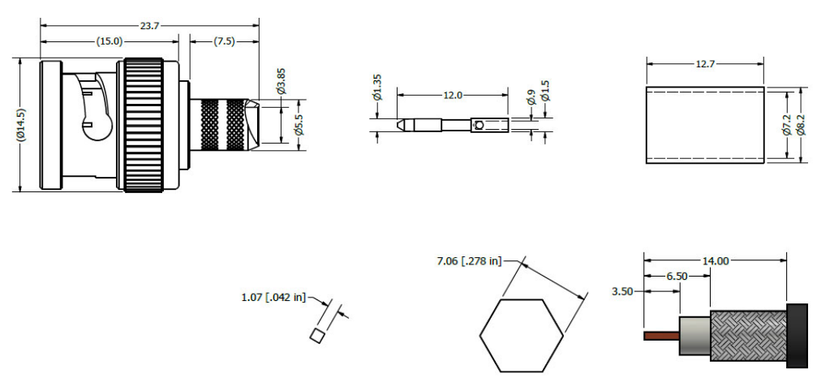
XBT-1069-NGAS - Drawing and Cable Preparation (Issue 1.1)



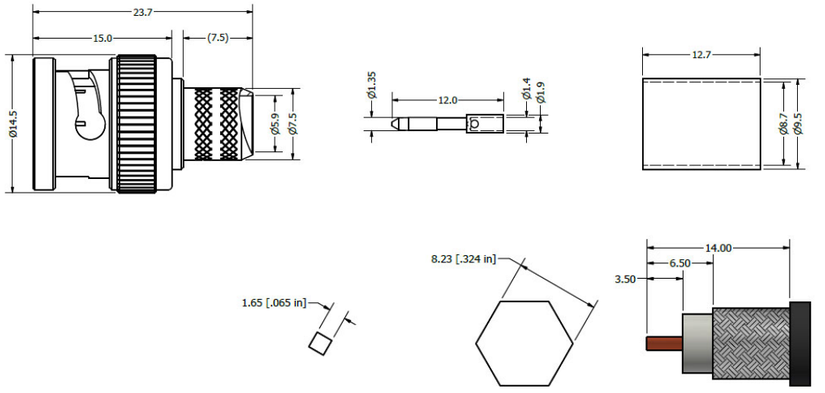
XBT-1069-NGBA - Drawing and Cable Preparation (Issue 1.1)

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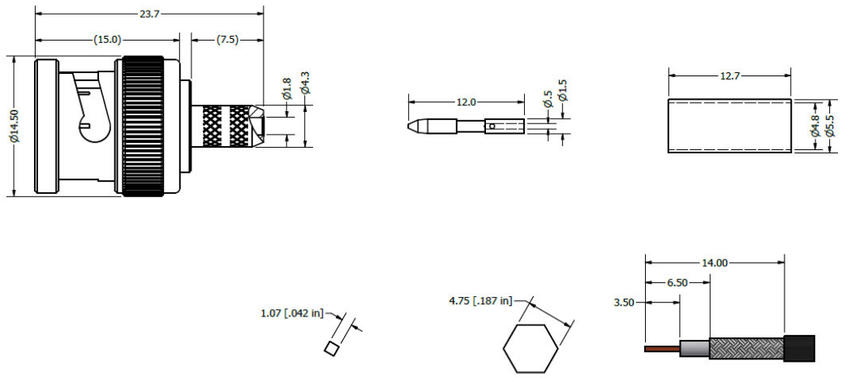
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XBT-1069-NGBC - Drawing and Cable Preparation (Issue 1.1)



XBT-1069-NGBD - Drawing and Cable Preparation (Issue 1.1)



XBT-1069-NGDE - Drawing and Cable Preparation (Issue 1.1)

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