CAMBRIDGE ELECTRONIC INDUSTRIES

75Ω BNC Socket 12GHz Cable Bulkhead
(for Cable Groups AB, AF, AS and BA)
Hex Nut & Washer
Part Number XBT-1071-NGXX
Issue 1.0

## General Description

The XBT-1071-NGXX is a 12 GHz cable-mounted bulkhead socket 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-1071-NGAB - Belden 1505A &4505R, RG140/U, RG59, RG59B/U, URM 90
- XBT-1071-NGAF - RG179, RG179B/U, RG187A/U, RG179DT
- XBT-1071-NGAS - Belden 1694A, 1694F, & 4694R, Canford SDV-F-R, Canford SDV-XF, RG6
- XBT-1071-NGBA - Belden 1855A & 4855R, Mini RG59

## Electrical

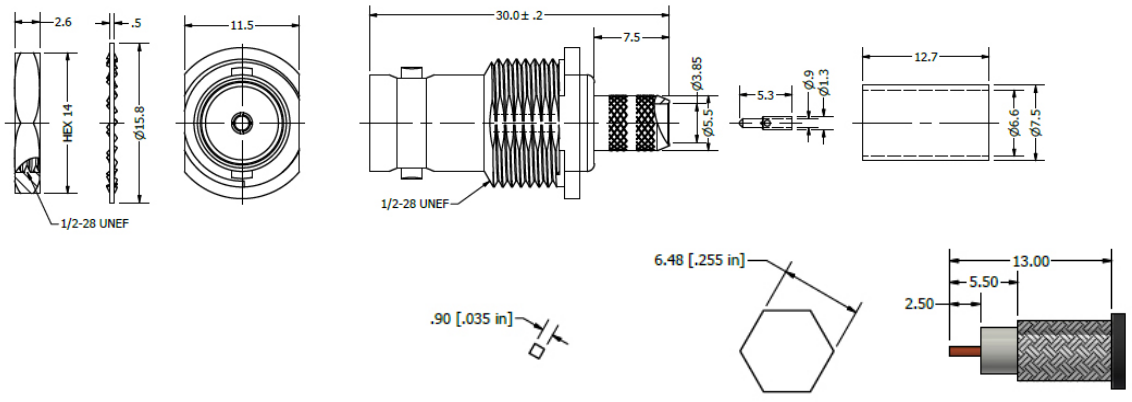
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|---|---|---|
| Impedance | | 75Ω |
| Frequency Range | | 0-12GHz |
| Working Voltage | | 500Vrms |
| Dielectric Withstanding Voltage | | 1500Vrms |
| Insulation Resistance | | ≥5000MΩ |
| Contact Resistance | Centre Contact | ≤ 1.5mΩ |
| | Outer Contact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

## Materials

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

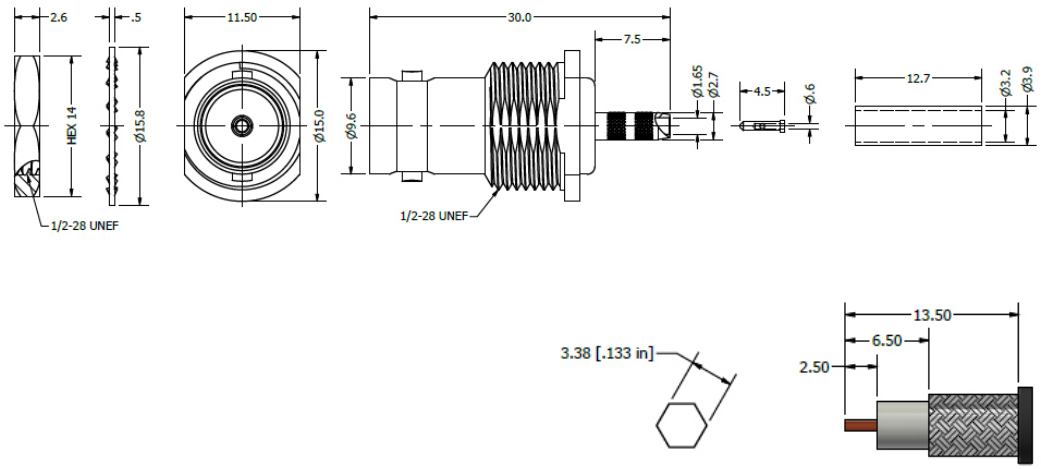
## Environmental

| | |
|---|---|
| Connector Type | BNC Female |
| Temp Range | -65 to +165°C |
| Mating Cycles | 250 |

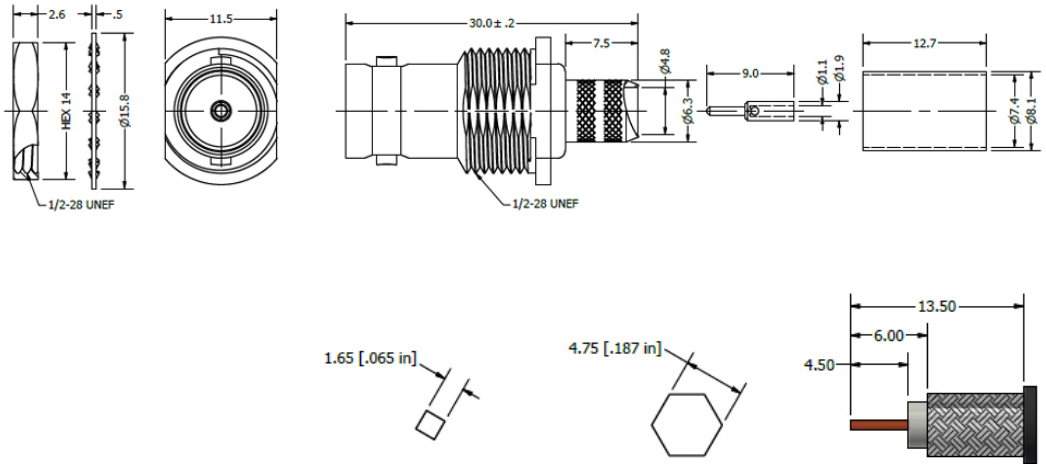



XBT-1071-NGAB - Drawing and Cable Preparation (Issue 1.1)

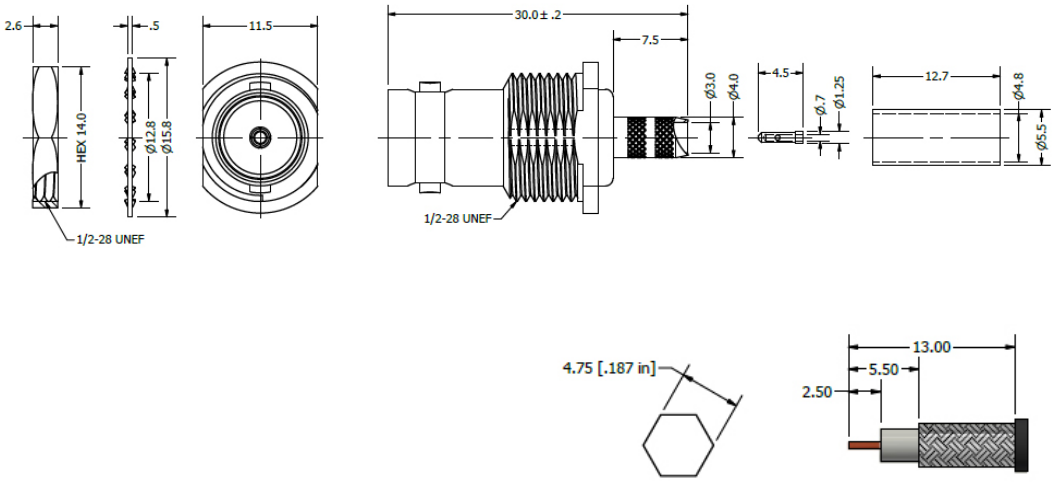
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XBT-1071-NGAF - Drawing and Cable Preparation (Issue 1.1)




XBT-1071-NGAS - Drawing and Cable Preparation (Issue 1.1)




XBT-1071-NGBA - Drawing and Cable Preparation (Issue 1.1)