CAMBRIDGE ELECTRONIC INDUSTRIES

75Ω Micro BNC Plug 12GHz Slim Body Cable Mount (for cable groups AS & DM)

Part Number XPT-D004-NGXX
Issue 1.1

General Description

The XPT-D004-NGXX is a 12GHz 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. This is a slimmer body Micro BNC, designed for use in tight applications, where space is a premium.



For optimum high frequency electrical performance, it is recommended that the centre contact is 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:

- XPT-D004-NGAS - Belden 1694A, 1694F, & 4694R, Canford SDV-F-R, Canford SDV-XF, RG6
- XPT-D004-NGDM - CFKoax1.01

Electrical

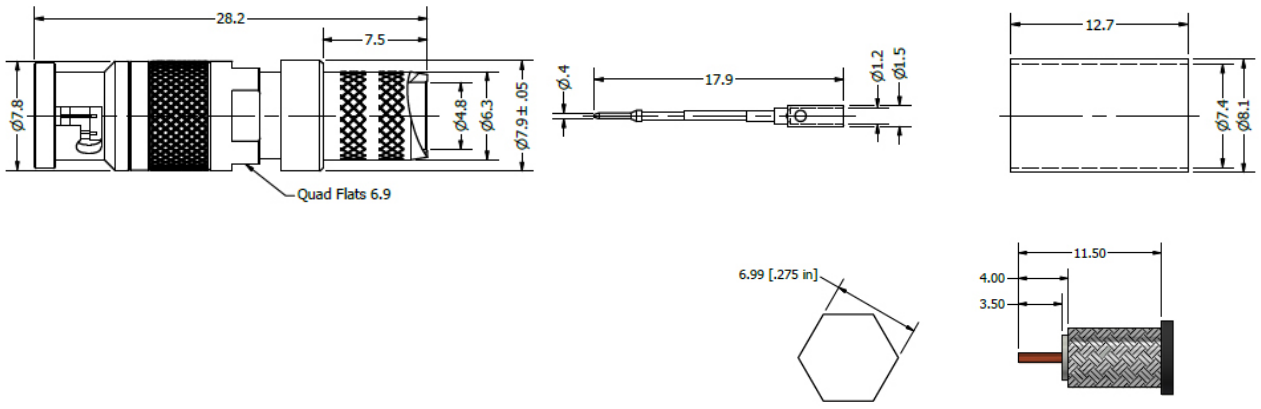
Impedance		75Ω
Frequency Range		0-12GHz
Working Voltage		170Vrms
Dielectric Withstanding Voltage		>500Vrms
Insulation Resistance		≥1GΩ
Contact Resistance	Centre Contact	≤ 5.0mΩ
	Outer Contact	≤ 2.5mΩ

Materials

Centre Pin	Beryllium Copper / Au
Metal Parts	Brass/Ni
Insulators	PTFE

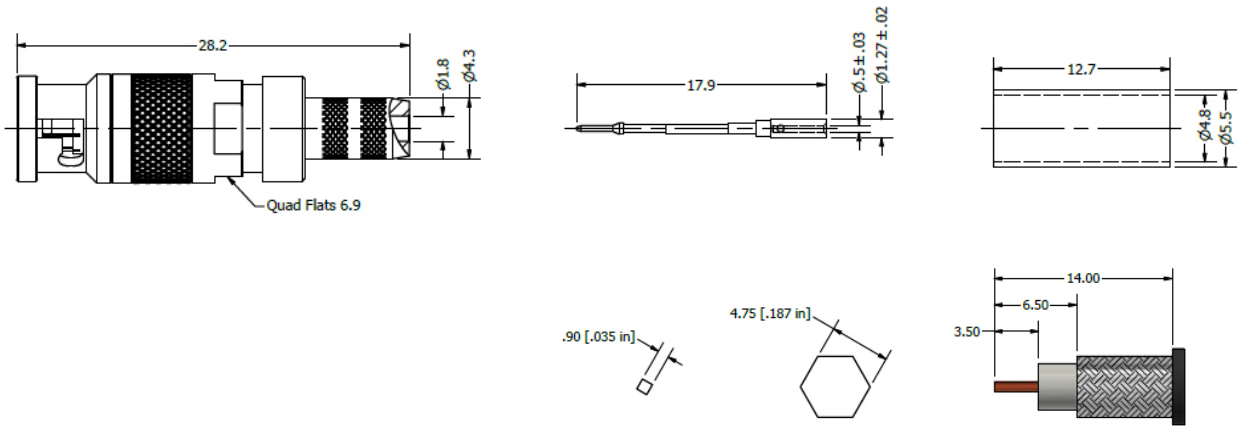
Environmental

Connector Type	Micro BNC Male
Temp Range	-65 to +165°C



XPT-D004-NGAS - Drawing and Cable Preparation (Issue 1.1)

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