CAMBRIDGE ELECTRONIC INDUSTRIES

75Ω Micro BNC Plug 12GHz Cable Mount (for cable groups AB, AF, AS, BA, BD)

Part Number XPT-D001-NGXX
Issue 1.1

General Description

The XPT-D001-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.



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-D001-NGAB - Belden 1505A &4505R, RG140/U, RG59, RG59B/U, URM 90
- XPT-D001-NGAF - RG179, RG179B/U, RG187A/U, RG179DT
- XPT-D001-NGAS - Belden 1694A, 1694F, & 4694R, Canford SDV-F-R, Canford SDV-XF, RG6
- XPT-D001-NGBA - Belden 1855A & 4855R, Mini RG59
- XPT-D001-NGBD - Belden 1794A, 4794R

Electrical

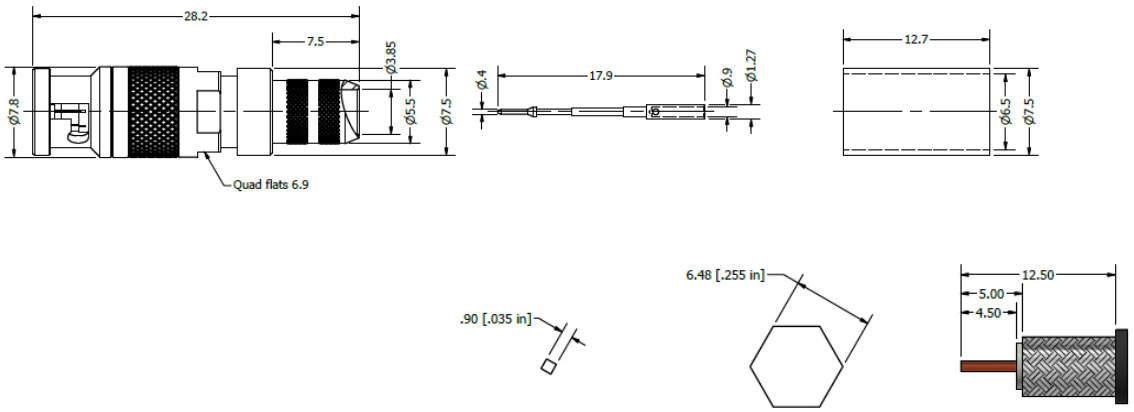
Impedance		75Ω
Frequency Range		0-12GHz
Working Voltage		170Vrms
Dielectric Withstanding Voltage		>500Vrms
Insulation Resistance		≥1GΩ
Contact Resistance	Centre Contact	≤5.0mΩ
	Outer Contact	≤2.5mΩ

Materials

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

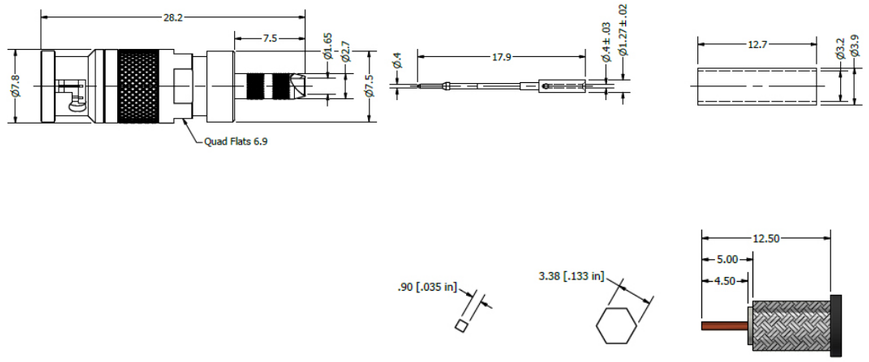
Environmental

Connector Type	Micro BNC Male
Temp Range	-65 to +165°C
Mating Cycles	500

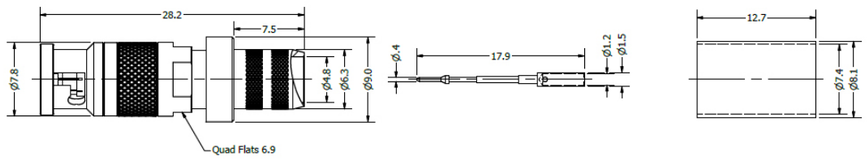


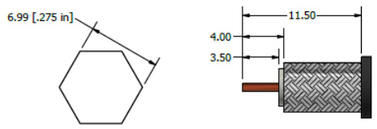
XPT-D001-NGAB - Drawing and Cable Preparation (Issue 1.2)

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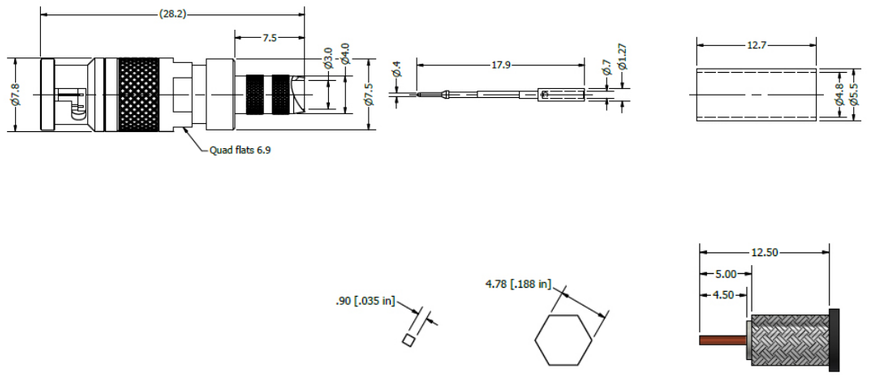


XPT-D001-NGAF - Drawing and Cable Preparation (Issue 1.1)





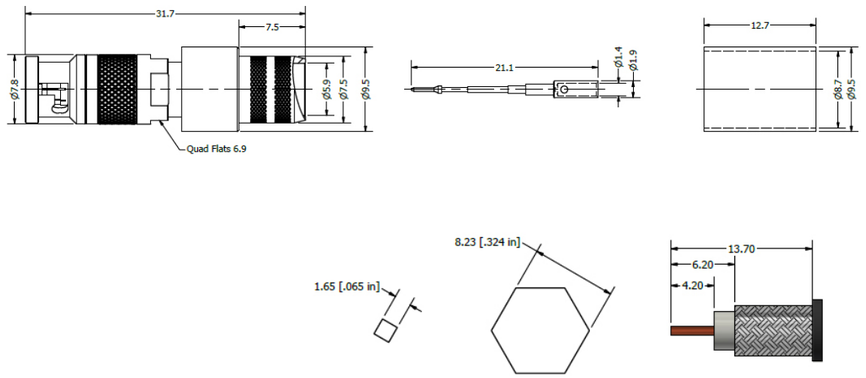
XPT-D001-NGAS - Drawing and Cable Preparation (Issue 1.2)



XPT-D001-NGBA - Drawing and Cable Preparation (Issue 1.5)

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XPT-D001-NGBD - Drawing and Cable Preparation (Issue 1.1)

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