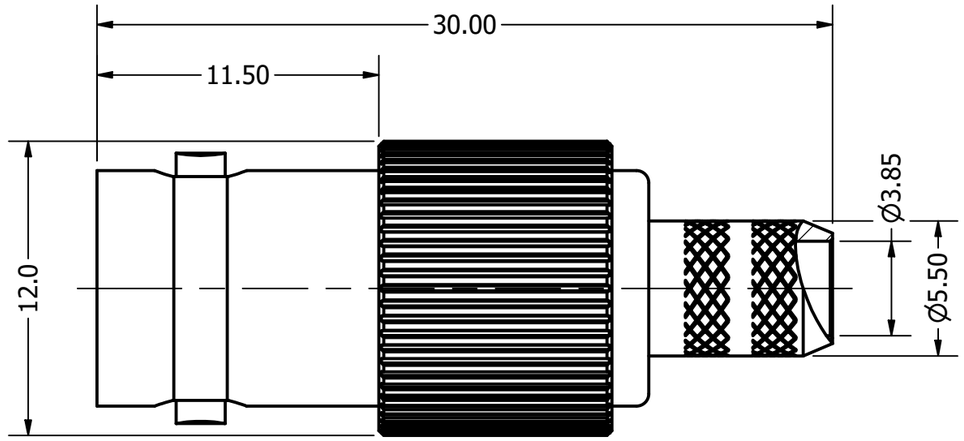
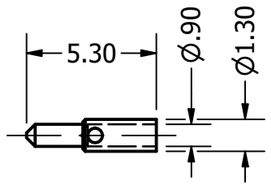
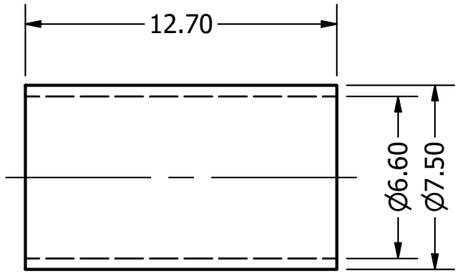
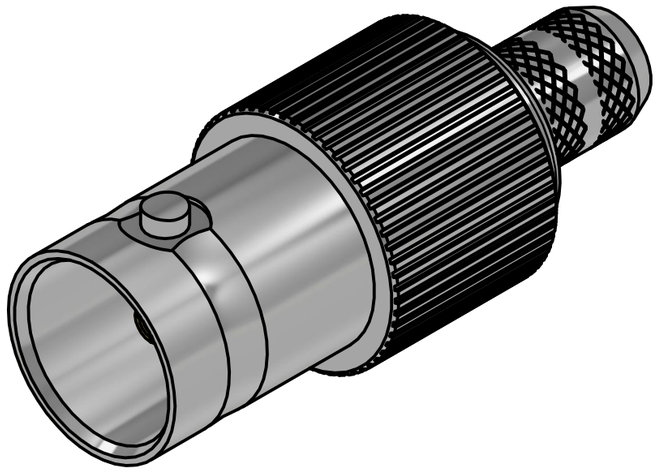
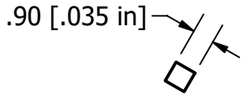


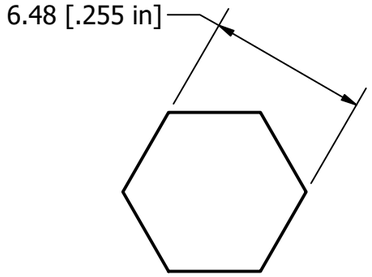




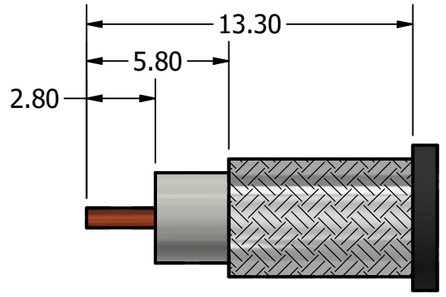




Recommended crimping dimension for contact



Recommended crimping dimension for ferrule



Recommended cable stripping dimensions

PARTS LIST			
ITEM	DESCRIPTION	MATERIAL	FINISH
1	Body	Brass	Finish 1
2	Insulator	PTFE	None
3	Inner Contact	BeCU	Finish 1/2
4	Centre Contact	Brass	Finish 1/2
5	Ferrule	Brass	Finish 1

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin		24 Mar 2026	Martin Smith
1.1	Updated Format	FB / INT	19 Aug 2026	Martin Smith

Design Right Protected

Material:

Finish:

X.X ±0.20
X.XX ±0.10
X.XXX ±0.05
Angular ±1°

DO NOT SCALE

Unit of Measure: millimeters (mm)

Third Angle Projection

Designed by Martin Smith

Checked by Peter Millard

Approved by

©2026

Date 24 Mar 2026

A3

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Description: 75Ω BNC Socket 12GHz Cable Mount for Cable Group AB

Part No: XBT-1070-NGAB Cust

Issue 1.1

Sheet 1 / 2

Source:E:\Cambridge Connectors\Live Products\Engineering Data\(B) BNC\XBT-1070-NGAB

Electrical:

Impedance	75Ω
Frequency range	DC ~ 12.0 GHz
Working voltage	500 V_{RMS}
Dielectric withstanding voltage	1500 V_{RMS}
Contact resistance	Centre contact ≤1.5 mΩ
Insulation resistance	≥5 GΩ

Environmental:

Temp ranges	-65 ~ +165°C
Vibration	N/A
Salt spray	N/A
Thermal shock	N/A
Mechanical	N/A

Finish:

1.	Ni plating	50µ" MIN (Under Plating)
2.	Au plating	1 ~ 2µ" MAX (Over Finish 1)

Processing:

Centre contact	Solder recommended & crimp capable
Ferrule	Crimp

Cable Group AB:

Belden 1505A

Belden 4505R

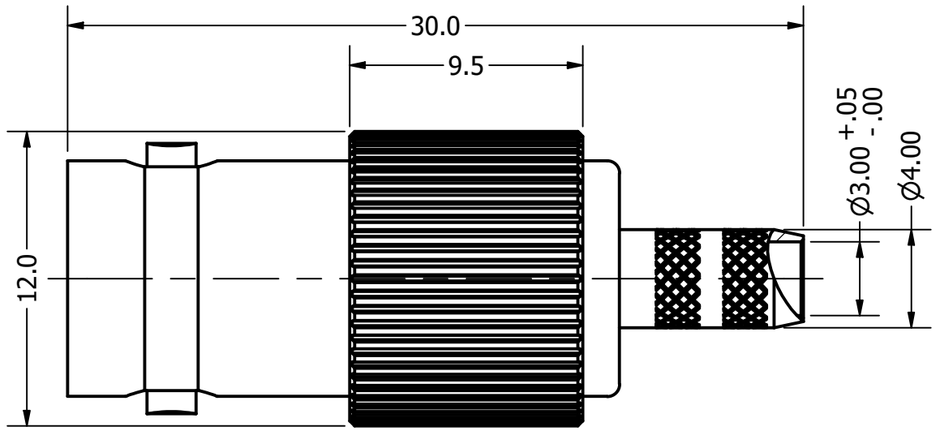
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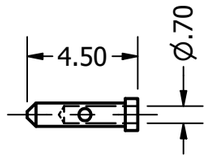
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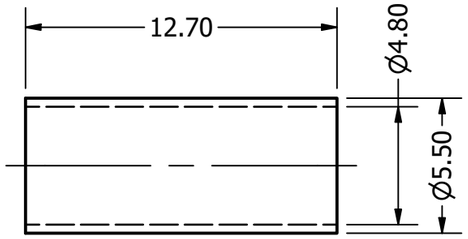
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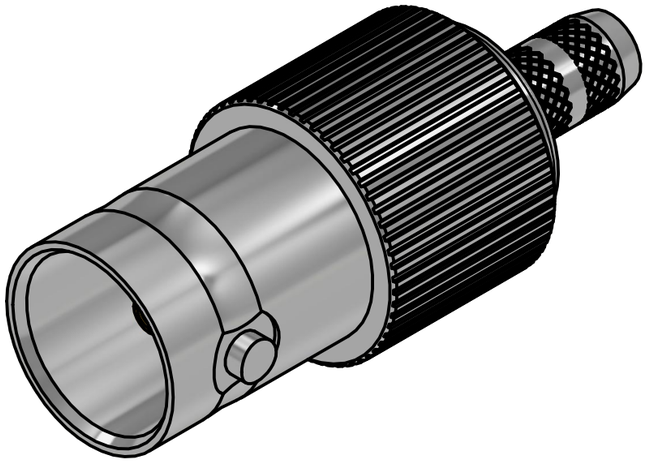
URM 90

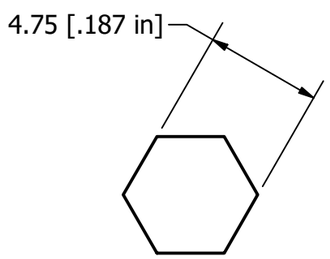
Design Right Protected	Material:	Finish:		X.X ±0.20 X.XX ±0.10 X.XXX ±0.05 Angular ±1°	DO NOT SCALE Unit of Measure: millimeters (mm)	
Third Angle Projection	Designed by Martin Smith	Checked by Peter Millard	Approved by	©2026	Date 24 Mar 2026	A3
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			Part No: XBT-1070-NGAB Cust		Issue 1.1	Sheet 2 / 2



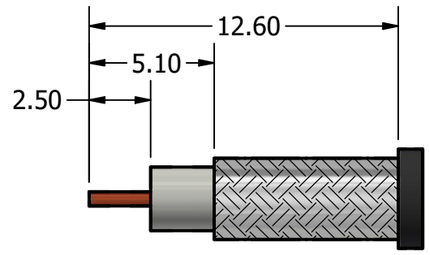








Recommended crimping dimension for ferrule



Recommended cable stripping dimensions

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin		13/9/2017	P. Fayers
1.1	Cable strip data	FB / INT	7/11/2017	P. Fayers
1.2	Updated Format	FB / INT	20/08/2026	Martin Smith

PARTS LIST			
ITEM	DESCRIPTION	MATERIAL	FINISH
1	Body	Brass	Finish 1
2	Insulator	PTFE	None
3	Inner Contact	BeCu	Finish 1/2
4	Centre Contact	Brass	Finish 1/2
5	Ferrule	Brass	Finish 1

Design Right Protected

Material:

Finish:

X.X ±0.20
X.XX ±0.10
X.XXX ±0.05
Angular ±1°

DO NOT SCALE

Unit of Measure: millimeters (mm)

Third Angle Projection

Designed by P. Fayers

Checked by Peter Millard

Approved by

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Date 20 Aug 2026

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Description:
75Ω BNC Socket 12GHz Cable Mount for Cable Group BA

Part No: XBT-1070-NGBA Cust

Issue 1.2

Sheet 1 / 2

Source:E:\Cambridge Connectors\Live Products\Engineering Data\(B) BNC\XBT-1070-NGBA

Electrical:

Impedance	75Ω
Frequency range	DC ~ 12.0 GHz
Working voltage	500 V_{RMS}
Dielectric withstanding voltage	1500 V_{RMS}
Contact resistance	Centre contact ≤1.5 mΩ
Insulation resistance	≥5 GΩ

Environmental:

Temp ranges	-65 ~ +165°C
Vibration	N/A
Salt spray	N/A
Thermal shock	N/A
Mechanical	N/A

Finish:

1.	Ni plating	50µ" MIN (Under Plating)
2.	Au plating	1 ~ 2µ" MAX (Over Finish 1)

Processing:

Centre contact	Solder
Ferrule	Crimp

Cable Group BA:

Belden 1855A

Belden 4855R

Mini RG59

Design Right Protected	Material:	Finish:		X.X ±0.20 X.XX ±0.10 X.XXX ±0.05 Angular ±1°	DO NOT SCALE Unit of Measure: millimeters (mm)	
Third Angle Projection	Designed by P. Fayers	Checked by Peter Millard	Approved by	©2026	Date 20 Aug 2026	A3
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			Part No: XBT-1070-NGBA Cust	Issue 1.2	Sheet 2 / 2	