



Recommended Cable Stripping Dimensions

Recommended Crimping Dimensions for Ferrule

Electrical :

- Impedance : 75 Ω
- Frequency Range : 0~12 GHz.
- Voltage Rating : ≥ 500 V rms. (depending on cable)
- Insulator Resistance : ≥ 5 GΩ
- Dielectric Withstanding Voltage : 1500 V rms .
- Contact Resistance : Center Contact ≤ 1.5 mΩ .
Outer Contact ≤ 1 mΩ .
- VSWR : < 1.2 (0 ~ 12 GHz)

***(Remark)*: The above electrical specification is tested by simulation software and it's for the connector only. It could be affected by those which can't work properly at higher frequency, such as cable, adapter, VNA, etc.

Mechanical :

- Mating : Bayonet Coupling.
- Engagement Force : 0.6-2.5 lbs

Environmental :

- Temperature Range : -65°C to 165°C
- Corrosion (Salt Spray) : MIL-STD-202, Method 101, Cond. C
- Thermal Shock : MIL-STD-202, Method 107, Cond. B
- Mechanical : MIL-STD-202, Method 213, Cond. G
- Vibration : MIL-STD-202, Method 204, Cond. B

Finish [Unit of Plating Thickness Is in Micro Inch (μ)]

1. Nickel Plating Thk : 50 μ" min. (Under Plating)
2. Gold Plating Thk : 2 μ" max. (Over Finish 1)

5	Ferrule	Brass	Finish 1/2
4	Center Contact	Brass	Finish 1/2
3	Inner Contact	BeCu	Finish 1/2
2	Insulator	PTFE	None
1	Body	Brass	Finish 1/2
ITEM	Description	Material	Finish

1.1	Cable Strip Data	07/11/17
1.0	Origin	13/09/17
ISSUE	CHANGE	DATE
Origin		
Drn.	P. Fayers	13/09/17
Chkd.		
Dwg. No.	XBT-1070-NGBA	

TITLE	12Ghz BNC Free Jack for B4855R
RoHS Compliant	Cambridge Electronic Industries Ltd Denny Industrial Centre, Waterbeach, Cambs. CB25 9QR Tel: 01223 860041