## LT-BNCM-RG58-CL

## BNC MALE CONNECTOR FOR RG58, CLAMP TYPE

LT-BNCM-RG58-CL is a high-quality BNC Male crimp connector specifically designed for RG58 coaxial cable. Engineered for precision and durability, it ensures secure connections with minimal signal loss, making it suitable for RF, video, and communication applications.

The LT-BNCM-RG58-CL provides a reliable crimp-style termination solution for RG58 cables, offering strong mechanical stability and excellent electrical performance. With its robust construction and easy crimp installation, it is ideal for broadcasting, CCTV, networking, and testing setups where dependable connectivity is required.



- Connector Type: BNC Male crimp for RG58 coaxial cable
- 50Ω impedance for stable RF performance
- · Low insertion loss with consistent signal quality
- Crimp-style design for secure and reliable termination

## **Key Highlights**

- Frequency Range: DC to 4 GHz (typical)
- VSWR: ≤ 1.3 for excellent signal stability
- Contact Material: Brass with gold plating for superior conductivity
- Body Material: Nickel-plated brass for durability and corrosion resistance

## **Applications**

- RF testing and measurement setups
- · Communication and broadcasting equipment
- · Wireless systems and antennas
- Laboratory instrumentation
- · Field service and maintenance kits
- · General RF adapter use in industrial and commercial environments



PART NUMBER       LT-BNCM-RG58-CL         Description       BNC Male Connector for RG58, clamp type         Material and Plating       Center Contact         Brass / Gold Plating       Did Plating         Outer Contact & Body       Brass / Nickel Plating         Dielectric       PTFE         Gasket       Silicon Rubber         Electrical Characteristics         Characteristics Impedance       50 Ohm         Frequency Range       DC~4.0GHz         Insulation Resistance       ≤5000MΩ         Center Contact Resistance       ≤1.5 mΩ         Outer Contact Resistance       ≤1.0 mΩ         Dielectric Strength       1500V rms (AC)         Dielectric Withstanding Voltage       1500V rms         Working Voltage       500V rms         Insertion Loss       ≤0.20dB@3GHz         VSWR       ≤1.20@DC~1.0GHz         Environmental & Mechanical Specifications         Durability (Matings)       ≥500 cycles         Suitable Cables       LLC200、RG58、LLC195         Mechanical Shock Test Method       MIL-STD-202, Method 213, Test Condition D         Thermal Shock Test Method       MIL-STD-202, Method 107G, Test Condition A         Wibration Test Method       MIL-STD-202, Method 204, Cond. A         <	Specifications	
Clamp type         Material and Plating         Center Contact       Brass / Gold Plating         Outer Contact & Body       Brass / Nickel Plating         Dielectric       PTFE         Gasket       Silicon Rubber         Electrical Characteristics         Characteristics Impedance       50 Ohm         Frequency Range       DC~4.0GHz         Insulation Resistance       ≥5000MΩ         Center Contact Resistance       ≤1.5 mΩ         Outer Contact Resistance       ≤1.0 mΩ         Dielectric Strength       1500V rms (AC)         Dielectric Withstanding Voltage       1500V rms         Working Voltage       500V rms         Insertion Loss       ≤0.20dB@3GHz         VSWR       ≤1.20@DC~1.0GHz         Environmental & Mechanical Specifications         Durability (Matings)       ≥500 cycles         Suitable Cables       LLC200、RG58、LLC195         Mill-STD-202, Method 213, Test Condition D       Condition A         Mill-STD-202F, Method 107G, Test Condition A       Condition A         Vibration Test Method       MIL-STD-202, Meth. 204, Cond. A         Temperature Range       -65°C to +165°C	PART NUMBER	LT-BNCM-RG58-CL
Center Contact       Brass / Gold Plating         Outer Contact & Body       Brass / Nickel Plating         Dielectric       PTFE         Gasket       Silicon Rubber         Electrical Characteristics         Characteristics Impedance       50 Ohm         Frequency Range       DC~4.0GHz         Insulation Resistance       ≥5000MΩ         Center Contact Resistance       ≤1.5 mΩ         Outer Contact Resistance       ≤1.0 mΩ         Dielectric Strength       1500V rms (AC)         Dielectric Withstanding Voltage       500V rms         Working Voltage       500V rms         Insertion Loss       ≤0.20dB@3GHz         VSWR       ≤1.20@DC~1.0GHz         Environmental & Mechanical Specifications         Durability (Matings)       ≥500 cycles         Suitable Cables       LLC200、RG58、LLC195         Mechanical Shock Test Method       MIL-STD-202, Method 213, Test Condition D         Thermal Shock Test Method       MIL-STD-202F, Method 107G, Test Condition A         Vibration Test Method       MIL-STD-202, Meth. 204, Cond. A         Temperature Range       -65°C to +165°C	Description	1 //22
Outer Contact & Body       Brass / Nickel Plating         Dielectric       PTFE         Gasket       Silicon Rubber         Electrical Characteristics         Characteristics Impedance       50 Ohm         Frequency Range       DC~4.0GHz         Insulation Resistance       ≥5000MΩ         Center Contact Resistance       ≤1.5 mΩ         Outer Contact Resistance       ≤1.0 mΩ         Dielectric Strength       1500V rms (AC)         Dielectric Withstanding Voltage       1500V rms         Working Voltage       500V rms         Insertion Loss       ≤0.20dB@3GHz         VSWR       ≤1.20@DC~1.0GHz         Environmental & Mechanical Specifications         Durability (Matings)       ≥500 cycles         Suitable Cables       LLC200、RG58、LLC195         Mechanical Shock Test Method       MIL-STD-202, Method 213, Test Condition D         Thermal Shock Test Method       MIL-STD-202F, Method 107G, Test Condition A         Wibration Test Method       MIL-STD-202, Meth. 204, Cond. A         Temperature Range       -65°C to +165°C	Materia	and Plating
Dielectric         Gasket       Silicon Rubber         Electrical Characteristics         Characteristics Impedance       50 Ohm         Frequency Range       DC~4.0GHz         Insulation Resistance       ≥5000MΩ         Center Contact Resistance       ≤1.5 mΩ         Outer Contact Resistance       ≤1.0 mΩ         Dielectric Strength       1500V rms (AC)         Dielectric Withstanding Voltage       1500V rms         Working Voltage       500V rms         Insertion Loss       ≤0.20dB@3GHz         VSWR       ≤1.20@DC~1.0GHz         Environmental & Mechanical Specifications         Durability (Matings)       ≥500 cycles         Suitable Cables       LLC200、RG58、LLC195         Mechanical Shock Test Method       MIL-STD-202, Method 213, Test Condition D         Thermal Shock Test Method       MIL-STD-202F, Method 107G, Test Condition A         Vibration Test Method       MIL-STD-202, Meth. 204, Cond. A         Temperature Range       -65°C to +165°C	Center Contact	Brass / Gold Plating
Gasket       Silicon Rubber         Electrical Characteristics         Characteristics Impedance       50 Ohm         Frequency Range       DC~4.0GHz         Insulation Resistance       ≥5000MΩ         Center Contact Resistance       ≤1.5 mΩ         Outer Contact Resistance       ≤1.0 mΩ         Dielectric Strength       1500V rms (AC)         Dielectric Withstanding Voltage       1500V rms         Working Voltage       500V rms         Insertion Loss       ≤0.20dB@3GHz         VSWR       ≤1.20@DC~1.0GHz         Environmental & Mechanical Specifications         Durability (Matings)       ≥500 cycles         Suitable Cables       LLC200、RG58、LLC195         Mechanical Shock Test Method       MIL-STD-202, Method 213, Test Condition D         Thermal Shock Test Method       MIL-STD-202F, Method 107G, Test Condition A         Vibration Test Method       MIL-STD-202, Meth. 204, Cond. A         Temperature Range       -65°C to +165°C	Outer Contact & Body	Brass / Nickel Plating
Electrical Characteristics  Characteristics Impedance Frequency Range Insulation Resistance Center Contact Resistance Outer Contact Resistance Dielectric Strength Dielectric Withstanding Voltage Insertion Loss VSWR  Environmental & Mechanical Specifications  Durability (Matings)  Suitable Cables Mechanical Shock Test Method Thermal Shock Test Method Temperature Range  Toward Andrew Dock 1, 20 April 1, 20 Apri	Dielectric	PTFE
Characteristics Impedance       50 Ohm         Frequency Range       DC~4.0GHz         Insulation Resistance       ≥5000MΩ         Center Contact Resistance       ≤1.5 mΩ         Outer Contact Resistance       ≤1.0 mΩ         Dielectric Strength       1500V rms (AC)         Dielectric Withstanding Voltage       1500V rms         Working Voltage       500V rms         Insertion Loss       ≤0.20dB@3GHz         VSWR       ≤1.20@DC~1.0GHz         Environmental & Mechanical Specifications         Durability (Matings)       ≥500 cycles         Suitable Cables       LLC200、RG58、LLC195         MilL-STD-202, Method 213, Test Condition D       MIL-STD-202F, Method 107G, Test Condition A         Thermal Shock Test Method       MIL-STD-202F, Method 107G, Test Condition A         Vibration Test Method       MIL-STD-202, Meth. 204, Cond. A         Temperature Range       -65°C to +165°C	Gasket	Silicon Rubber
Frequency Range       DC~4.0GHz         Insulation Resistance       ≥5000MΩ         Center Contact Resistance       ≤1.5 mΩ         Outer Contact Resistance       ≤1.0 mΩ         Dielectric Strength       1500V rms (AC)         Dielectric Withstanding Voltage       1500V rms         Working Voltage       500V rms         Insertion Loss       ≤0.20dB@3GHz         VSWR       ≤1.20@DC~1.0GHz         Environmental & Mechanical Specifications         Durability (Matings)       ≥500 cycles         Suitable Cables       LLC200、RG58、LLC195         Mechanical Shock Test Method       MIL-STD-202, Method 213, Test Condition D         Thermal Shock Test Method       MIL-STD-202F, Method 107G, Test Condition A         Vibration Test Method       MIL-STD-202, Meth. 204, Cond. A         Temperature Range       -65°C to +165°C	Electrical (	Characteristics
Insulation Resistance       ≥5000MΩ         Center Contact Resistance       ≤1.5 mΩ         Outer Contact Resistance       ≤1.0 mΩ         Dielectric Strength       1500V rms (AC)         Dielectric Withstanding Voltage       1500V rms         Working Voltage       500V rms         Insertion Loss       ≤0.20dB@3GHz         VSWR       ≤1.20@DC~1.0GHz         Environmental & Mechanical Specifications         Durability (Matings)       ≥500 cycles         Suitable Cables       LLC200 RG58 LLC195         Mill-STD-202, Method 213, Test Condition D         Mill-STD-202F, Method 107G, Test Condition A         Vibration Test Method       Mill-STD-202, Meth. 204, Cond. A         Temperature Range       -65°C to +165°C	Characteristics Impedance	50 Ohm
Center Contact Resistance       ≤1.5 mΩ         Outer Contact Resistance       ≤1.0 mΩ         Dielectric Strength       1500V rms (AC)         Dielectric Withstanding Voltage       1500V rms         Working Voltage       500V rms         Insertion Loss       ≤0.20dB@3GHz         VSWR       ≤1.20@DC~1.0GHz         Environmental & Mechanical Specifications         Durability (Matings)       ≥500 cycles         Suitable Cables       LLC200、RG58、LLC195         Mechanical Shock Test Method       MIL-STD-202, Method 213, Test Condition D         Thermal Shock Test Method       MIL-STD-202F, Method 107G, Test Condition A         Vibration Test Method       MIL-STD-202, Meth. 204, Cond. A         Temperature Range       -65°C to +165°C	Frequency Range	DC~4.0GHz
Outer Contact Resistance       ≤1.0 mΩ         Dielectric Strength       1500V rms (AC)         Dielectric Withstanding Voltage       1500V rms         Working Voltage       500V rms         Insertion Loss       ≤0.20dB@3GHz         VSWR       ≤1.20@DC~1.0GHz         Environmental & Mechanical Specifications         Durability (Matings)       ≥500 cycles         Suitable Cables       LLC200、RG58 LLC195         Mechanical Shock Test Method       MIL-STD-202, Method 213, Test Condition D         Thermal Shock Test Method       MIL-STD-202F, Method 107G, Test Condition A         Vibration Test Method       MIL-STD-202, Meth. 204, Cond. A         Temperature Range       -65°C to +165°C	Insulation Resistance	≥5000ΜΩ
Dielectric Strength       1500V rms (AC)         Dielectric Withstanding Voltage       1500V rms         Working Voltage       500V rms         Insertion Loss       ≤0.20dB@3GHz         VSWR       ≤1.20@DC~1.0GHz         Environmental & Mechanical Specifications         Durability (Matings)       ≥500 cycles         Suitable Cables       LLC200、RG58、LLC195         Mechanical Shock Test Method       MIL-STD-202, Method 213, Test Condition D         Thermal Shock Test Method       MIL-STD-202F, Method 107G, Test Condition A         Vibration Test Method       MIL-STD-202, Meth. 204, Cond. A         Temperature Range       -65°C to +165°C	<b>Center Contact Resistance</b>	≤1.5 mΩ
Dielectric Withstanding Voltage       1500V rms         Working Voltage       500V rms         Insertion Loss       ≤0.20dB@3GHz         VSWR       ≤1.20@DC~1.0GHz         Environmental & Mechanical Specifications         Durability (Matings)       ≥500 cycles         Suitable Cables       LLC200、RG58、LLC195         Mechanical Shock Test Method       MIL-STD-202, Method 213, Test Condition D         Thermal Shock Test Method       MIL-STD-202F, Method 107G, Test Condition A         Vibration Test Method       MIL-STD-202, Meth. 204, Cond. A         Temperature Range       -65°C to +165°C	<b>Outer Contact Resistance</b>	≤1.0 mΩ
Working Voltage       500V rms         Insertion Loss       ≤0.20dB@3GHz         VSWR       ≤1.20@DC~1.0GHz         ≤1.30@1.0~2.0GHz         Environmental & Mechanical Specifications         Durability (Matings)       ≥500 cycles         Suitable Cables       LLC200、RG58、LLC195         Mechanical Shock Test Method       MIL-STD-202, Method 213, Test Condition D         Thermal Shock Test Method       MIL-STD-202F, Method 107G, Test Condition A         Vibration Test Method       MIL-STD-202, Meth. 204, Cond. A         Temperature Range       -65°C to +165°C	Dielectric Strength	1500V rms (AC)
Insertion Loss  VSWR  ≤1.20@DC~1.0GHz ≤1.30@1.0~2.0GHz  Environmental & Mechanical Specifications  Durability (Matings)  Suitable Cables  Mechanical Shock Test Method  Thermal Shock Test Method  Vibration Test Method  Vibration Test Method  MIL-STD-202, Method 107G, Test Condition A  Vibration Test Method  MIL-STD-202, Meth. 204, Cond. A  Temperature Range  -65°C to +165°C	Dielectric Withstanding Voltage	1500V rms
VSWR  ≤1.20@DC~1.0GHz ≤1.30@1.0~2.0GHz  Environmental & Mechanical Specifications  Durability (Matings)  Suitable Cables  LLC200、RG58、LLC195  MIL-STD-202, Method 213, Test Condition D  MIL-STD-202F, Method 107G, Test Condition A  Vibration Test Method  Vibration Test Method  MIL-STD-202, Method 2076, Test Condition A  MIL-STD-202, Method 2076, Test Condition A  Vibration Test Method  MIL-STD-202, Method 204, Cond. A  Temperature Range  -65°C to +165°C	Working Voltage	500V rms
Environmental & Mechanical Specifications  Durability (Matings)  Suitable Cables  Mechanical Shock Test Method  Thermal Shock Test Method  Vibration Test Method  ≤1.30@1.0~2.0GHz  ≥500 cycles  LLC200、RG58、LLC195  MIL-STD-202, Method 213, Test  Condition D  MIL-STD-202F, Method 107G, Test  Condition A  Vibration Test Method  MIL-STD-202, Meth. 204, Cond. A  Temperature Range  -65°C to +165°C	Insertion Loss	≤0.20dB@3GHz
Environmental & Mechanical Specifications  Durability (Matings)  Suitable Cables  Mechanical Shock Test Method  Thermal Shock Test Method  Vibration Test Method  Environmental & Mechanical Specifications  LLC200、RG58、LLC195  MIL-STD-202, Method 213, Test Condition D  MIL-STD-202F, Method 107G, Test Condition A  MIL-STD-202, Method 204, Cond. A  Temperature Range  -65°C to +165°C	VSWR	≤1.20@DC~1.0GHz
Durability (Matings)       ≥500 cycles         Suitable Cables       LLC200、RG58、LLC195         Mechanical Shock Test Method       MIL-STD-202, Method 213, Test Condition D         Thermal Shock Test Method       MIL-STD-202F, Method 107G, Test Condition A         Vibration Test Method       MIL-STD-202, Meth. 204, Cond. A         Temperature Range       -65°C to +165°C		≤1.30@1.0~2.0GHz
Suitable Cables  LLC200、RG58、LLC195  MIL-STD-202, Method 213, Test Condition D  MIL-STD-202F, Method 107G, Test Condition A  Vibration Test Method  MIL-STD-202, Method 204, Cond. A  Temperature Range  LLC200、RG58、LLC195  MIL-STD-202, Method 213, Test Condition D  MIL-STD-202F, Method 107G, Test Condition A  Vibration Test Method  -65°C to +165°C	Environmental & M	echanical Specifications
MIL-STD-202, Method 213, Test Condition D  Thermal Shock Test Method  Vibration Test Method  Temperature Range  MIL-STD-202F, Method 107G, Test Condition A  MIL-STD-202, Meth. 204, Cond. A	Durability (Matings)	≥500 cycles
Thermal Shock Test Method  Condition D  MIL-STD-202F, Method 107G, Test Condition A  Vibration Test Method  Temperature Range  Condition A  MIL-STD-202, Meth. 204, Cond. A  -65°C to +165°C	Suitable Cables	LLC200、RG58、LLC195
Thermal Shock Test Method  Thermal Shock Test Method  Vibration Test Method  Temperature Range  Condition D  MIL-STD-202F, Method 107G, Test Condition A  MIL-STD-202, Meth. 204, Cond. A  Temperature Range  -65°C to +165°C	Mechanical Shock Test Method	MIL-STD-202, Method 213, Test
Thermal Shock Test Method  Condition A  Vibration Test Method  MIL-STD-202, Meth. 204, Cond. A  Temperature Range  -65°C to +165°C		Condition D
Vibration Test Method MIL-STD-202, Meth. 204, Cond. A Temperature Range -65°C to +165°C	Thermal Shock Test Method	
Temperature Range -65°C to +165°C	Vibration Test Method	
	Temperature Range	
		Compliant

