



The BNC connector, the most popular coaxial connector series in the world, features a two-pin bayonet coupling system for quick and reliable engagement and disengagement.

● Wide range :

RADIALl's BNC connectors are available with two characteristic impedances 50Ω and 75Ω; and, they are completely intermateable with one another.

The BNC range offers cable connectors for both flexible or semi-rigid cables, panel and PCB mount receptacles including press mount, through hole and press fit pins connectors. In series adapters and between series adapters including PUSH-ON type are also available.

RADIALl offers you also a low cost range called commercial BNC, whose characteristics are compared to those of the standard BNC in the chart here under.

● Convenient 3-piece design :

A range of crimp type cable connectors (straight and right angle models) features :

a 3 piece design : single piece body + center contact + outer ferrule,

You can find them with the "single piece body" mention on note.

● Fast and reliable cable attachment :

The cable connectors can be either fully crimped or soldered/crimped, offering full flexibility for high volume production with standard manual or pneumatic tooling : fast and reliable.

- ☞ the center contact can be either crimped or soldered,
- ☞ the outer contact is attached to the cable by crimping a ferrule.

	Standard BNC		Commercial BNC	
Applications	☐ Military Telecommunications ☐ Civil telecommunications ☐ Measurement and instrumentation ☐ General electronics		☐ Civil Telecommunications ☐ Datacommunications ☐ Measurement and instrumentation ☐ Broadcast application ☐ Security & video systems ☐ Antennas ☐ Automotive industry ☐ General electronics	
Impedance	50 Ω	75 Ω	50 Ω	75 Ω
Codification	R141 XXX XXX	R142 XXX XXX	R141 XXX 161	R142 XXX 161
Frequency range	DC - 4 GHz	DC - 1 GHz	DC - 1.5 GHz	
Temperature range	- 65°C / + 165°C		-35°C / + 70°C	
Durability	500 matings		100 matings	
Coupling nut	Cross knurl		Straight knurl	
Material <i>Coupling nut</i> <i>Insulator</i> <i>Female center contact</i>	Brass PTFE Beryllium copper		Die cast zinc Polypropylen Brass	

Radiall also offers a complete range of MICROWAVE COMPONENTS : terminations, attenuators, etc. designed around the BNC interface (page 41-44).

For further details, please ask for our :

- ☞ PUSH-ON adapters **D1 036 DE**
- ☞ Between series adapters **D1 191 CE**
- ☞ Attenuators **D3 200 CE**
- ☞ Terminations **D3 100 CE**
- ☞ Soldering device **D1 035 DE**