

Overview

Amphenol RF interconnects enable the future of broadcast technologies. With increased bandwidth demands in the entertainment industry, our interconnects support the latest high definition transmission systems with guaranteed reliability and performance.

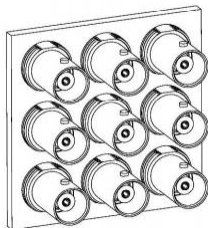
We offer a full line of 75 ohm RF interconnects ideal for broadcast applications. Solutions include BNC, Mini-BNC and 1.0/2.3 DIN connectors as well as Amphenol's HD-BNC series supporting data rates of up to 12 Gb/s.

Applications

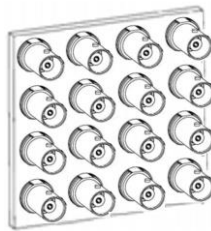
- High-Definition Transmission
- Surveillance Systems
- Video Routing and Distribution
- Mobile Broadcast Equipment
- Audio/Video Switching Devices
- Digital Signage
- Ultra HD and 4K TV

Interface Density

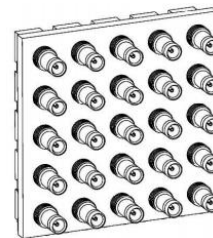
High density RF solutions help reduce equipment size without compromising signal integrity



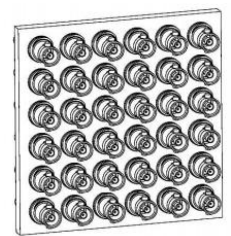
BNC
15.5mm pitch



Mini-BNC
13.1mm pitch
40% Density



1.0/2.3 DIN
10mm pitch
250% Density



HD-BNC
8mm pitch
400% Density

Electrical Specifications

	BNC	Mini-BNC	1.0/2.3 DIN	HD-BNC
Impedance	50 Ohm True 75 Ohm	75 Ohm	50 Ohm 75 Ohm	50 Ohm True 75 Ohm *
Frequency Range	DC to 4 GHz	DC to 4 GHz	10 GHz max for 50 ohm 4 GHz max for 75 ohm	12 GHz max for 50 ohm 6 GHz max for 75 ohm
Insulation Resistance	5000 MΩ	5000 MΩ	10000 MΩ	10000 MΩ
Contact Resistance	Center: =1.5mΩ Outer: <=0.2mΩ	Center: <=12mΩ	Center: <=6mΩ Outer: <=3mΩ	Center: <=5mΩ Outer: <=2.5mΩ
DWV	1500 VRMS	1000 VRMS	1000 VRMS	500 VRMS
Typical VSWR (3GHz) Varies by connector design	1:1.15	1:1.2	1:1.2	1:1.08

* HD-BNC performance meets or exceeds SMPTE 424M specifications

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For more information visit www.amphenolrf.com
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