



Overview

The NDX™ connector system replaces the legacy Type F connector with a more robust, easy-to-use interface ideal for consumer use. The future proof connector system is 5G ready and is capable of supporting data transfer rates over 18 Gbps. Installation is similar to the Type F and utilizes the same standard compression crimp termination tooling. NDX connectors feature an ultra-reliable mating interface resulting in reduced cost of ownership for MSOs, requiring less technician visits to customer sites and more successful self-installs.

NDX products offer high RF ingress protection against current and future wireless bands and seamlessly integrated in to current DOCSIS 3.1 systems. This connector system offers significant headroom for bandwidth expansion in future networks driven by 5G and IoT applications.

Features and Benefits

- 75 ohm interface
- Supports up to 18 GHz
- Future-proof designs for 5G and IoT applications
- Closed entry, scoop-proof protection
- Dual-shield ensures low RF leakage and ingress
- Reliable, audible snap-in mating mechanism

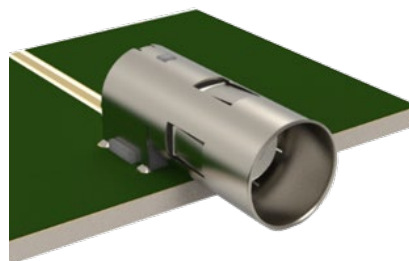
Applications

- CATV and satellite set top boxes
- In-building CATV infrastructure
- Coaxial splitters and amplifiers
- Hybrid fiber-coax nodes
- Cable model termination systems

Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

For more information visit www.amphenolrf.com
or call 800.627.7100

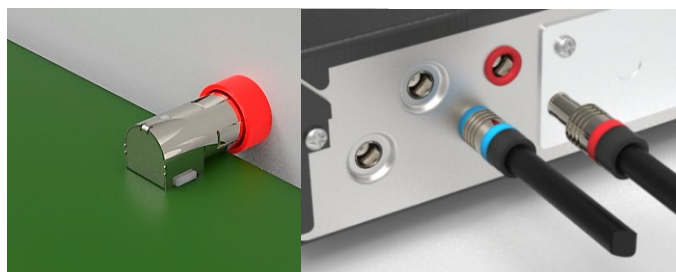


NDX™ PCB Mount Jack Connector for OEM Applications. Color coded configurations available.

NDX™ Free-Hanging Cable Plug with Compression Crimp Termination



NDX wall plate adapter available with low profile or fully recessed interface. Adapts to Type F interface common in existing structures.



Color coded configurations possible further aiding self-installs for consumers

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Technical Specifications

Electrical

Impedance		75Ω
Frequency Range		DC - 18 GHz
Return Loss	DC – 3 GHz	-30 dB
	3 – 6 GHz	-25 dB
	6 – 9 GHz	-20 dB
	9 – 18 GHz	-15 dB
RF Leakage	DC – 1.8 GHz	-100 dB
	1.8 – 3 GHz	-90 dB
	3 – 6 GHz	-80 dB
Current Handling		5 Amps Max

Environmental

Temperature Range	-40°C to +140°C
RoHS Compliance	Compliant with Exemption 6C

Mechanical

Mating Cycles	100 Min
Coupling Mechanism	Push-In

Materials

Body	Brass, Gold Plating
Contact	Beryllium Copper, Nickel Plating
Insulator	PTFE, Natural

Note: Technical specifications are typical and may vary by specific part number. Please see component drawing.

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