



# InfiConnect Plenum F-Type Connector for RG6 Dual & Quad Shield



## Applicable Standards

- **NEC:** National Electrical Code for Safe Installations
- **RoHS:** Restriction of Hazardous Substances compliance
- **TIA-568.6-D:** Coaxial Cable Systems in commercial building telecommunications cabling.
- **IEC 61169-24:** The characteristics of F-type connectors used in broadcast and other high-performance telecommunications systems.
- **UL 910:** Standard for Fire Test for Plenum-Cabled Systems. Ensures connectors like the F-Type are suitable for installation in plenum-rated spaces, meeting fire safety and smoke emissions criteria.

## Product Part Number

N221.ICPFRG6DQ

## Product Description

The InfiConnect Plenum F-Type Connector provides a robust, high-performance connection for RG6 dual and quad shield cables. It features nickel-plated brass construction for corrosion resistance and silicone sealing rings for effective moisture protection. Specifically designed for plenum-rated areas, this connector ensures secure, reliable signal integrity while meeting stringent fire safety standards. The connector is ideal for both residential and commercial network installations.

## Product Features

- 75Ω Impedance for optimal signal integrity and minimal signal loss.
- Nickel-Plated Brass Body for superior corrosion resistance and durability.
- Silicone Sealing Rings for enhanced moisture protection and environmental sealing.
- Plenum-Rated Design that complies with fire safety standards for installation in air-handling spaces.
- High Mechanical Durability with  $\geq$ 500 mating cycles for reliable long-term use.



## Material Specifications

Product Type	F-Type Connector
Cable Compatibility	RG6 Dual & Quad Shield
Impedance	75Ω (for signal integrity)
Connector Body	Nickel-Plated Brass
Sealing Materials	Silicone Rubber
Thread Type	3/8" x 32 UNEF
Finish	Nickel Plating for Corrosion Resistance
Connector Type	Plenum-rated (meets fire safety standards for plenum spaces)
Center Conductor Size	0.81 ~ 1.00 mm (18 AWG)
Hex Size	Hex11
Voltage Rating	170V Max, 50Hz
Mechanical Durability	≥500 Mating Cycles
Contact Resistance	Less than 5 Ohms
RoHS Compliance	Yes
Packaging	Individual / 50 pcs Pack

## Environmental Specifications

Temperature range	Storage & shipping	-40°C to +85°C
	Installation	-10°C to +60°C
	Operation	-40°C to +85°C



## InfiConnect Plenum F-Type Connector for RG6 Dual & Quad Shield

### Ordering Information

N221.ICPFRG6DQ	InfiConnect Plenum F-Type Connector for RG6 Dual & Quad Shield
N221.ICPFRG6DQ-50	InfiConnect Plenum F-Type Connector for RG6 Dual & Quad Shield - Pack of 50

### Shipping Information

Item	Dimension
Product	Length : 32.3mm

