

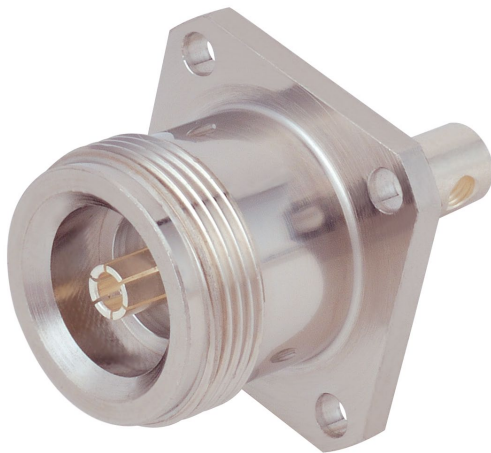


4.1/9.5



### Lightweight Low Intermodulation Solution

**Synergy's low intermodulation 4.1/9.5 connector provides end users a reliable option featuring a screw-on coupling system suitable for rugged outdoor telecom applications.**



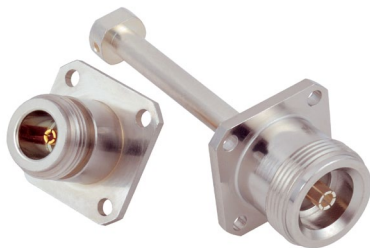
4.1/9.5 has been designed to offer a smaller, lighter weight solution to replace the 7/16 connector. It is ideal for applications requiring low PIM and low attenuation for Distribution Antenna Systems (DAS).

The 4.1/9.5 connector features a screw on, low torque coupling system, which allows for a secure mate between connectors. This solution includes Radiall's special anti-corrosion plating preferred by today's telecom industries.



**Synergy's 4.1/9.5 reliable low intermodulation connector solution features a coupling mechanism suitable for rugged outdoor telecom applications.**

*Lightweight Low Intermodulation Solution*



### Performance

- Frequency range: DC to 6GHz
- Very low intermodulation level  $\leq -160$  dBc
- VSWR:  $1.02 + 0.02 \times F(\text{GHz})$  maxi.
- IP67
- RF Power up to 500 W @ 2 GHz / 1KW @ 1GHz
- Mating: 100 cycles
- Coupling retention force: 500N
- Operating temperature:  $-55 \sim +155^\circ\text{C}$
- Codification: R170 Series

### Features & Benefits

- Proven coupling mechanism
- Performance similar to 7/16 connector
- Very low intermodulation level

### Applications

- Telecom applications:
  - » Base Stations
  - » RRU
  - » Antennas
  - » Filters
  - » Distributed Antenna Systems