

N Male Connector for 7/8" Coaxial Cable, RAPID FIT™ Sealing compound

Radio Frequency Systems line of high performance coaxial cable connectors are designed specifically to provide the highest quality connector-cable interface while simplifying and speeding up the attachment of connectors to HELIFLEX® coaxial cables. RFS connectors are fully tested for mechanical and electrical compliance specifications. They are available in all popular cable sizes in a variety of mating interfaces. The N connector is one of the most common RF connector types. N type connectors from RFS will be delivered with a non-slotted outer conductor contact sleeve and a special gasket. Due to a special design of the coupling nut (without spring ring) N connectors can be tightened with increased torque. This increases the contact pressure.

Connector N plug CAF

FEATURES / BENEFITS

- Excellent gas tightness, Overpressure for increased voltage handling is maintained throughout the system
- Robust Mechanical Design, Superior and consistent performance guarantees outstanding system characteristics.
- Extremely low reflection factor, Outstanding low reflection factor improves overall system performance and margin and reduces mismatch losses
- Totally Waterproof according to IP 68, Assures safe, long term operation in the harshest of environments. System tightness doesn't have to rely on overpressure from dehydration equipment.

| Externa | l Documen | t Links |
|-----------|-------------|---------|
| Installat | ion Instruc | tion |

lai Document Links

¹) The sealing compound must be ordered separately.

Technical features

| GENERAL SPECIFICATIONS |
|-------------------------------|
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| Transmission Line Type | Coaxial Cable |
|------------------------|---------------------------------|
| Cable Size | 7/8 |
| Cable Type | Air Dielectric |
| Model Series | HCA78-50 Series |
| Connector Interface | N |
| Connector Type | RAPID FIT™ |
| Sealing Method | Sealing compound ¹) |
| Gender | Male |

MECHANICAL SPECIFICATIONS

| Plating Outer/Inner | | Silver/Silver |
|--------------------------|---------|---------------|
| Length | mm (in) | 80 (3.15) |
| Outer Diameter | mm (in) | 39.5 (1.55) |
| Inner Contact Attachment | | Spring Finger |
| Outer Contact Attachment | | Threaded |

ACCESSORIES

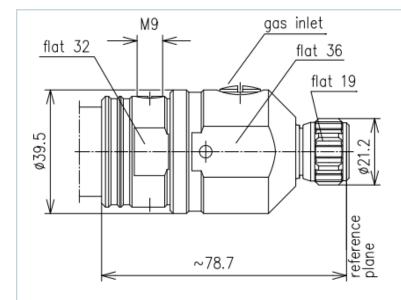
| Wrench size front | mm (in) | 36 (1-7/16) |
|-------------------|---------|-------------|
| Wrench size rear | mm (in) | 32 (1-1/4) |

TESTING AND ENVIRONMENTAL

| Sealing Volume, cm3 (ounces) | cm³ (ounces) | 5 (0.17) |
|------------------------------|--------------|----------|
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NM-HCA78-020 REV: D REV DATE: 19 Apr 2023 www.rfsworld.com





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