

PRODUCT DATASHEET NF-HCA78-020 N Female 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.

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.

External Document Links Installation Instruction

Technical features

| Transmission Line Type | | Coaxial Cable |
|------------------------------|--------------------------|---------------------------------|
| Cable Size | | 7/8 |
| Cable Type | | Air Dielectric |
| Model Series | | HCA78-50 Series |
| Connector Interface | | Ν |
| Connector Type | | RAPID FIT™ |
| Sealing Method | | Sealing compound ¹) |
| Gender | | Female |
| MECHANICAL SPECIFICATIONS | | |
| Plating Outer/Inner | | Silver/Silver |
| Length | mm (in) | 77 (3.03) |
| 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) | cm ³ (ounces) | 5 (0.17) |

Notes

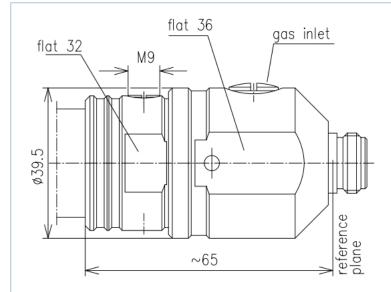
¹) The sealing compound must be ordered separately.

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Connector N Socket CAF





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