



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 CELLFLEX® coaxial cables. RFS Technologies 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 Technologies 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

- Single-piece design for Fast and Easy Installation - Reliable and simple attachment avoids unnecessary connector adjustments and provides outstanding performance every time. Saves time and provides cost savings.
- Robust Mechanical Design - Low and consistent intermodulation performance guarantees outstanding system sensitivity.
- Excellent Electrical Performance - Consistent and repeatable low VSWR 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.



RAPID FIT™ Connectors

Technical features

GENERAL SPECIFICATIONS

| | | |
|-------------------------------|--|-----------------|
| Transmission Line Type | | Coaxial Cable |
| Cable Size | | 3/8 |
| Cable Type | | Foam Dielectric |
| Connector Interface | | N |
| Connector Type | | RAPID FIT™ |
| Sealing Method | | O-ring |
| Gender | | Male |

ELECTRICAL SPECIFICATIONS

| | | |
|--|-----------|---|
| Nominal Impedance, ohms | Ohm | 50 |
| 3rd Order IM Product @ 2x20 Watts | dBc | -156 |
| Maximum Frequency | GHz | 3.7 |
| VSWR, Return Loss | VSWR (dB) | 0 < f ≤ 1.0 GHz: 1.02 (40) 1.0 < f ≤ 2.7 GHz: 1.03 (36.6) 2.7 < f ≤ 3.7 GHz: 1.08 (28.3) |

MECHANICAL SPECIFICATIONS

| | | |
|---------------------------------|---------|---------------|
| Plating Outer/Inner | | Silver/Silver |
| Length | mm (in) | 53.1 (2.1) |
| Outer Diameter | mm (in) | 22 (0.9) |
| Inner Contact Attachment | | Basket |
| Outer Contact Attachment | | Spring Finger |

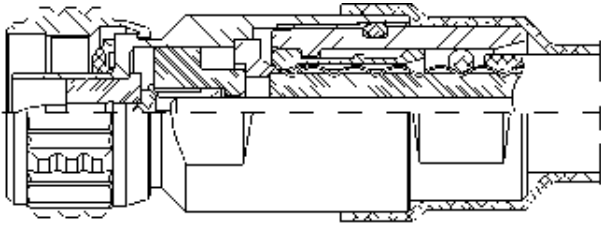


ACCESSORIES

| | | |
|--------------------------|---------|-------------|
| Wrench size front | mm (in) | 17 (11/16) |
| Wrench size rear | mm (in) | 15 (9/16) |
| Trimming Tool | | TRIM-38-L03 |

TESTING AND ENVIRONMENTAL

| | | |
|-------------------------|--|------|
| Waterproof Level | | IP68 |
|-------------------------|--|------|



[External Document Links](#)
[Installation Instruction](#)

[Notes](#)