

N Male Connector for 1/2" Coaxial Cable, Right Angle Threaded Gasket sealing, Silver/Silver

Product Description

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 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

- **Waterproof**

The only totally waterproof connector in the industry. Compliant with IP68 water immersion testing. Press fit contact/bead O-ring keeps out moisture and prevents vacuum build-up and air exchange due to temperature swings.

- **Solderless**

Captivated spring finger contacts permit quick, easy and precise solderless installation utilizing only basic hand tools. Avoids the potential high impedance risk associated with traditional soldering.

- **Self Flaring**

Self flaring design reduces installation time and thus, saves on labor costs.

- **Corrosion-Proof Plated Contacts**

Featured even on standard connectors. Provide improved contact resistance and lower intermodulation.

- **Outstanding Electrical Performance**

Metal to Metal contact between cable and connector - no plastic parts used. Secure connection highly resistant to pull-off or twist-off provides long-term mechanical integrity. Resistant to intermodulation after temperature cycling.

- **Easy to Install**

No special tools needed. Only basic hand tools required. No additional costs to the installer.

Technical Specifications

Transmission Line Type	Coaxial Cable
Cable Size	1/2"
Cable Type	Foam Dielectric, Superflexible, Radiating
Model Series	SCF12-50 Series
Connector Interface	N
Connector Type	Right Angle
Sealing Method	Threaded Gasket
Gender	Male
Plating Outer/Inner	Silver/Silver
Length, mm (in)	44.8 (1.8)
Outer Diameter, mm (in)	23.8 (0.9)
Weight, kg (lb)	0.12 (0.27)
Inner Contact Attachment	Basket
Outer Contact Attachment	Spring Finger
3rd Order IM Product @ 2x20 Watts, dBc	<-156
Maximum Frequency, GHz	3.7
VSWR (Return Loss) for 0 < f ≤ 1.0GHz	1.02:1 (40.0 dB)
VSWR (Return Loss) for 1.0 < f ≤ 2.2GHz	1.04:1 (34.1 dB)
VSWR (Return Loss) for 2.2 < f ≤ 2.7GHz	1.06:1 (30.7 dB)
VSWR (Return Loss) for 2.7 < f ≤ 3.7GHz	1.13:1 (24.3 dB)
Wrench size front, mm (in)	17 (11/16)
Wrench size rear, mm (in)	20 (13/16)
Trimming Tool	TRIM-Series-A
Waterproof Level	IP68

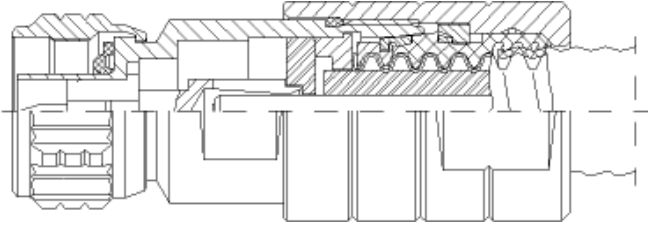
Notes

Other Documentation



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Installation Instruction: [M30762c.pdf](#)



All information contained in the present datasheet is subject to confirmation at time of ordering