

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 Air Dielectric Cable 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.

Connector N plug CAF

External Document Links	Notes
Installation Instruction	¹) The sealing compound must be ordered separately.

Technical features

GENERAL SPECIFICATIONS

Transmission Line TypeImage: Cable SizeCable SizeImage: Cable TypeCable TypeImage: Cable TypeModel SeriesImage: Cable TypeConnector InterfaceImage: Cable TypeConnector TypeImage: Cable TypeSealing MethodImage: Cable TypeGenderImage: Cable TypePlating Outer/InnerImage: Cable TypeLengthImm (in)Outer DiameterImm (in)Inner Contact AttachmentImage: Cable TypeOuter Contact AttachmentImage: Cable Type	Coaxial Cable 7/8 Air Dielectric HCA78-50 Series N RAPID FIT [™] Sealing compound ¹) Male Silver/Silver 80 (3.15) 39.5 (1.55)
Cable TypeImage: Cable TypeModel SeriesImage: Connector InterfaceConnector InterfaceImage: Connector TypeConnector TypeImage: Cable Connector TypeSealing MethodImage: Cable Connector TypeGenderImage: Cable Connector TypeMECHANICAL SPECIFICATIONSImage: Cable Connector TypePlating Outer/InnerImage: Cable Connector TypeImage: Contact AttachmentImage: Cable Contact AttachmentOuter Contact AttachmentImage: Cable Contact Attachment	Air Dielectric HCA78-50 Series N RAPID FIT™ Sealing compound ¹) Male Silver/Silver 80 (3.15)
Model SeriesImage: Second seriesConnector InterfaceImage: Second seriesConnector TypeImage: Second seriesSealing MethodImage: Second seriesGenderImage: Second seriesMECHANICAL SPECIFICATIONSImage: Second seriesPlating Outer/InnerImage: Second seriesLengthImage: Second seriesOuter DiameterImage: Second seriesInner Contact AttachmentImage: Second seriesOuter Contact AttachmentImage: Second series	HCA78-50 Series N RAPID FIT™ Sealing compound ¹) Male Silver/Silver 80 (3.15)
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GenderImage: Second	Male Silver/Silver 80 (3.15)
MECHANICAL SPECIFICATIONSPlating Outer/InnerImm (in)Lengthmm (in)Outer Diametermm (in)Inner Contact AttachmentImm (in)Outer Contact AttachmentImm (in)	Silver/Silver 80 (3.15)
Plating Outer/InnerImage: Second	80 (3.15)
Lengthmm (in)Outer Diametermm (in)Inner Contact AttachmentOuter Contact Attachment	80 (3.15)
Outer Diametermm (in)Inner Contact AttachmentOuter Contact Attachment	
Inner Contact Attachment Outer Contact Attachment	39.5 (1.55)
Outer Contact Attachment	
	Spring Finger
	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)

NM-HCA78-020

REV : C

REV DATE : 07 Jun 2016

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