

No 07, Muninanjareddy building, 1st Main,  
Thirupalaya (Near Venkateshwara Temple),  
Bommasandra Industrial Area,  
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VINSURWAVES COMPANY

WEBSITE :-

[WWW.VINSURWAVES.COM](http://WWW.VINSURWAVES.COM)

[WWW.RFCONNECTORES.COM](http://WWW.RFCONNECTORES.COM)

[WWW.COAXIALCABLES.COM](http://WWW.COAXIALCABLES.COM)

## TECHNICAL SPECIFICATION

### NAME OF PRODUCT :- N FEMALE CONNECTOR FOR 7/8 CABLE

7/8" N-type Connectors for VINSURWAVES CONNECTOR cables can be easily attached in the field or installed by our expert technicians. They are designed to provide resistance from pull-off and twist-off as well as excellent electrical contact. Standard connectors have brass bodies. Center pins are captivated, requiring no soldering, unless otherwise noted.

PART NUMBER VSW-015-NFSBEC

#### Detailed Product Description



Electrical characteristics:

- 1) Nominal impedance: 50 ohms
- 2) Frequency range: 0-2.5GHz
- 3) Withstand Vol.: 8000V
- 4) VSWR: max. 1.1
- 5) Contact resistance:

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- ....a) Inner conductor: max. 1.0M ohms
- ....b) Outer conductor; max. 0.25M ohms
- 6) Isolation: min. 5,000M ohms

### Technical Specifications

Transmission Line Type	Coaxial Cable
Cable Size	7/8"
Cable Type	Foam Dielectric, Foam Dielectric, Ultraflexible, Radiating
Mating Interface	N
Connector Type	RAPID FIT™
Sealing Method	Plast 2000
Gender	Female
Plating Outer/Inner	Silver/Silver
Length, mm (in)	55.0 (2.2)
Outer Diameter, mm (in)	35.0 (1.4)
Weight, kg (lb)	0.15 (0.34)
Inner Contact Attachment	Spring Finger
Outer Contact Attachment	Spring Finger
3rd Order IM Product @ 2x20 Watts, dBc	<-156
Return Loss. min (VSWR. max). dB (VSWR) @ Max. Frequency	See Table Below
Maximum Frequency, GHz	3.7
Return Loss (VSWR) for DC < f ≤ 1GHz, dB (-)	1.02:1(40.0 dB)
Return Loss (VSWR) for 1 < f ≤ 2.7GHz, dB (-)	1.03:1(36.5 dB)
Return Loss (VSWR) for 2.7 < f ≤ 3.7GHz, dB (-)	1.08:1(28.3 dB)
Wrench size front, mm (in)	30 (1-3/16)
Wrench size rear, mm (in)	30 (1-3/16)
Trimming Tool	TRIM-Series-A
Waterproof Level	IP66 and IP68
Sealing Volume, cm3 (ounces)	7 (0.26)

### Notes

#### Material and finish:

- 1) Body: brass silver and nickel plated
- 2) Sub-assembly: brass silver and nickel plated
- 3) Outer conductor: brass silver and nickel plated

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- 4) Inner conductor: beryllium copper
- 5) Dielectric: PTFE
- 6) Durability: min. 500 cycles

**Applications:**

- 1) Antennas
- 2) Base station
- 3) Broad cast
- 4) cable assembly
- 5) cellular
- 6) components
- 7) Instrumentation
- 8) Microwave Radio
- 9) Mil-Aero
- 10) PCS
- 11) Radar
- 12) Radios
- 13) Satcom
- 14) Surge Protection
- 15) WLAN.

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