

User's Guide

Agilent Technologies N6314A and N6315A Type-N 50 Ohm RF Cables



Agilent Technologies

Manufacturing Part Number: 5964-7333

Printed in USA

Print Date: July 2005

Supersedes: July 2003

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Americas			
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Product Description

The N6314A and N6315A are type-N 50 Ω RF cables, with a specified range of DC to 12.4 GHz. These cables provide the shielded RF connections required when using network analyzers with various test devices and equipment.

Model Number N6314A



Connector Type	Type-N 50Ω cable / male to male
Part Number	8120-8862
Impedance	50Ω (nominal)
Return Loss	≥ 24 dB (DC to 3 GHz) ≥ 18 dB (3 GHz to 12.4 GHz)
Length	61 cm (24 inches)
Net Weight	0.14 kg (0.31 lbs)
Shipping Weight	0.59 kg (1.30 lbs)

Model Number N6315A



Connector Type	Type-N 50Ω cable / male to female
Part Number	8121-0027
Impedance	50Ω (nominal)
Return Loss	≥ 24 dB (DC to 3 GHz) ≥ 18 dB (3 GHz to 12.4 GHz)
Length	61.0 cm (24 inches)
Net Weight	0.12 kg (0.26 lbs)
Shipping Weight	0.57 kg (1.26 lbs)

Care and Maintenance

To obtain optimum performance from RF cables, observe these precautions:

- Flex and straighten the cables as little and seldom as possible.
- Make connections carefully to avoid misalignment, connector damage, or inaccurate measurements.
- Keep the connectors free of dirt and metallic particles by periodic inspection and cleaning.

CAUTION Cotton swabs may leave fibers on the connector that can cause inaccurate measurement results.

- When you clean the connectors, apply clean compressed air or nitrogen. Do not use abrasives. With a foam-tipped plastic swab, apply isopropyl alcohol to clean the connector surfaces.
- Type-N (male) outer conductor shoulder, dielectric recession, or center conductor step should be 0.208 inch minimum.