

# ANT-141-022-03

## N Male to N Male UltraFlex Coax Cable (240 size)



### Applications

- 3G/4G/LTE Antennas
- Cellular Modems, Routers & Amplifiers
- Lightning Arresters
- ADS-B Receivers
- HAM Radio Equipment



### Product Features

- 2x N Male Connectors
- Thin and Super Flexible – Min Bend Radius = 0.75"
- 19 Strand Copper Core - 50 Ohm
- Double Shielding
- Gold Plated Signal Pins
- TPE Outer Jacket - 0.240" Diameter
- Heat Shrink Tubing on Connectors
- Lower Signal Loss than RG58 or RG8X

### Ordering Information

Part No.	Description
ANT-141-022-03	Proxicast Low-Loss 50 Ohm UltraFlex-240 Coax Cable – N Male to N Male – 3 ft

### General Description

Need to fit coax cables into tight spaces or route them around corners? Unlike traditional stiff coax, UltraFlex-240 cables have a minimum bend radius of only 3/4-ths of an inch; they go where you want them - not just where the cable wants to go without the high signal loss inherent with thin coax.

UltraFlex-240 stranded solid copper signal conductors, flexible aluminum inner shield, braided outer shield and soft thermoplastic elastomer (TPE) jacket gives the cable unmatched performance, flexibility and excellent weather resistance for indoor or outdoor applications. The gold-plated signal pins are soldered to the conductors; heat shrink tubing is applied over all connector ferrules.

UltraFlex-240's 19 strand copper core and double shielded construction deliver the lowest loss of any 0.24 inch or smaller flexible cable.

Use this cable to connect N-Female sources such as modems, routers, RF transceivers, etc. to the female N connector found on many external fixed mount antennas (e.g. Yagi, directional panel, sector, fiberglass omnidirectional).

Proxicast's cable assemblies are made to exacting standards with the highest quality components and 100% tested in our ISO 9001 compliant facilities.

All outdoor coax connections must be weather-proofed to prevent damage caused by moisture entering the connectors. Use our Pro-Grade Self-Bonding Silicone Tape ([ANT-900-002](#)) for fast & easy connection sealing.

# ANT-141-022-03

## N Male to N Male UltraFlex Coax Cable (240 size)

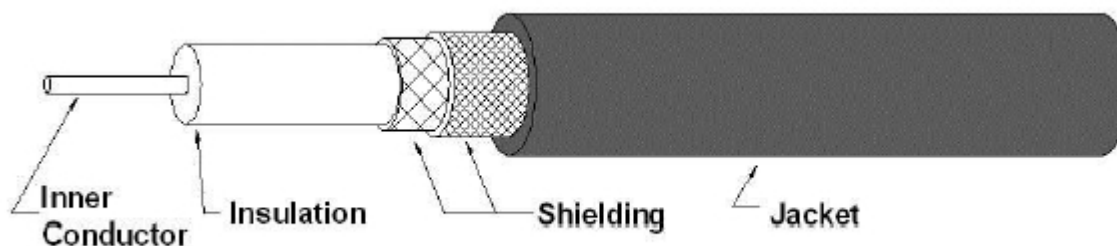


### Specifications

Parameter	Value
Connector 1	N Male (Inline Plug)
Connector 2	N Male (Inline Plug)
Cable Length	3 ft
Coax Type	Low-loss HDF240-UF (0.240 inch / 6.1 mm diameter) Meets or exceeds specifications of LMR-240-UF <sup>1</sup> Not rated for direct burial or plenum applications
Inner Conductor	19 strands of 0.29mm solid copper wire (1.45mm dia)
Insulation	3.80 mm Gas Injected Foam Polyethylene
Inner Shield	3.95 mm Bonded AL/PET/AL Tape Wrapped
Outer Shield	4.5mm Tinned Copper Wire Braid (95% coverage)
Jacket Material	Thermoplastic Elastomer (TPE) Nominal OD 0.24in (6.1mm)
Color	Black
Impedance	50 Ohm
Max VSWR (0-3000 MHz)	1.15 @ 2ft; 1.2 @ 6ft; 1.3 @ 12 ft
Capacitance	24.2 pF/ft
Velocity of Propagation	84%
DC Resistance (Conductor)	14.1 Ohms/km
DC Resistance (Shield)	12.8 Ohms/km
Voltage Withstand	1500 VDC
Minimum Bend Radius	0.75 inch (19.1 mm)
Operating Temperature	-40°F to +185°F (-40°C to +85°C)

Operation outside the parameter ranges given above may cause permanent damage

### HDF240-UF Coaxial Cable



<sup>1</sup>LMR is a trademark of Times Microwave Corporation

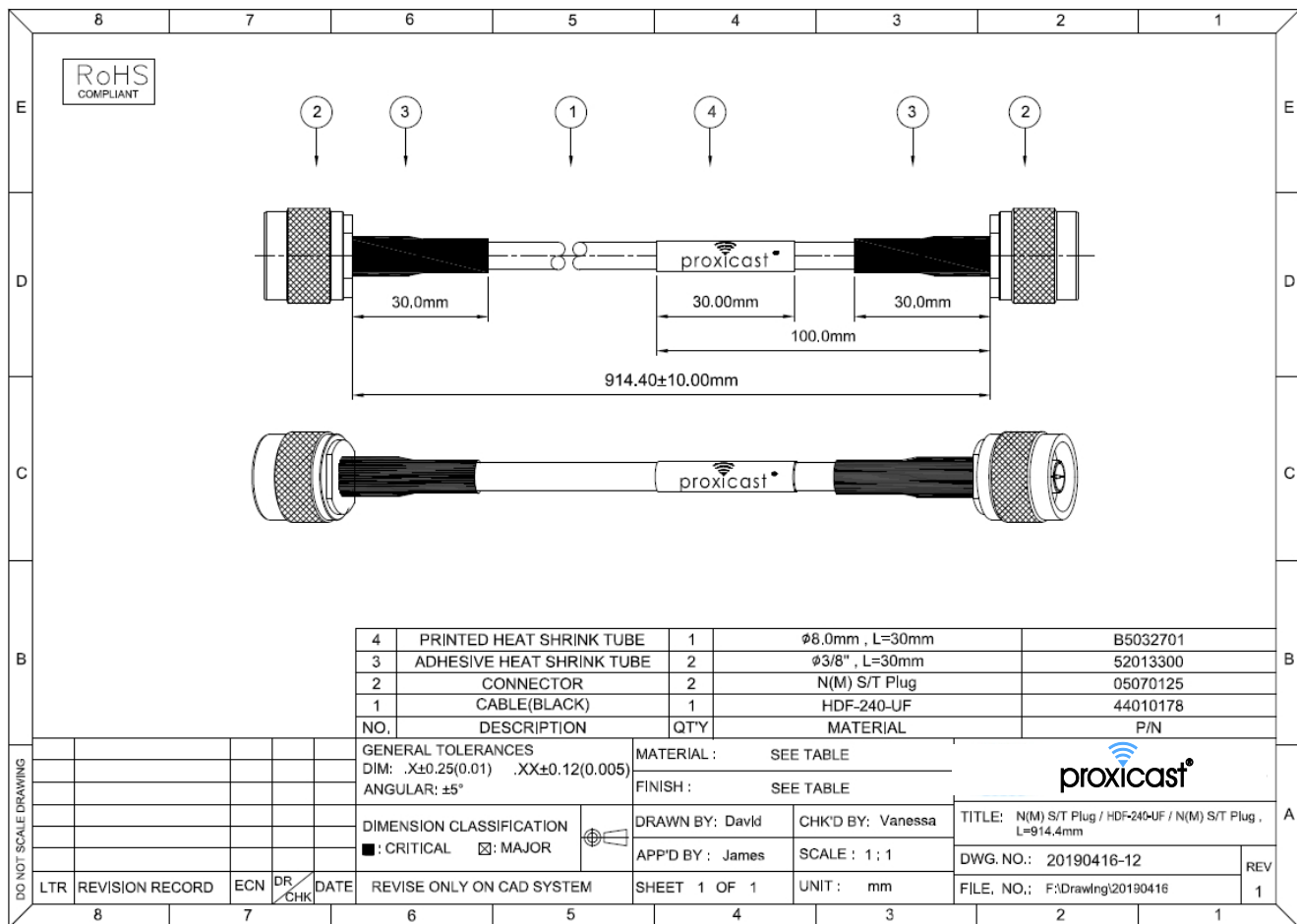
# ANT-141-022-03

N Male to N Male UltraFlex Coax Cable (240 size)



## Signal Attenuation (dB) Including Connectors

Freq (MHz)	3 ft
30	0.1
50	0.1
150	0.1
220	0.2
450	0.3
700	0.3
900	0.4
1700	0.5
1900	0.5
2400	0.6
2700	0.6
5000	0.9
5800	1.0



# ANT-141-022-03

N Male to N Male UltraFlex Coax Cable (240 size)



## Additional Product Images

Don't try this with regular coax!



Proxicast  
HDF UltraFlex-240



N Male

Look for the Logo Band  
on Genuine Proxicast Coax Cables



HDF UltraFlex-240



N Male



N Male

# ANT-141-022-03

***N Male to N Male UltraFlex Coax Cable (240 size)***



## Installation Instructions

- Observe minimum bend radius during installation and handling
- Do not cut or splice
- Minimize the number of connectors and total length of the cable run
- Fully tighten coax connectors to antenna connectors
- Weather seal outdoor coax connections
- Install in-line lightning protection if required by local building, fire, insurance or safety codes
- Not rated for direct burial or plenum applications

## Contact Information

For the latest specifications, additional product information, worldwide sales and information about Proxicast:

**Web:** [www.proxicast.com](http://www.proxicast.com)      **Tel:**      1-877-777-7694

**Email:** [sales@proxicast.com](mailto:sales@proxicast.com)      1-412-213-2477

**Proxicast • 312 Sunnyfield Drive, Suite 200 • Glenshaw, PA 15116 USA**

For technical questions and application information:

**Email:** [support@proxicast.com](mailto:support@proxicast.com)

## Important Notice

The information contained herein is believed to be reliable. Proxicast makes no warranties regarding the information contained herein. Proxicast assumes no responsibility or liability whatsoever for any of the information contained herein. Proxicast assumes no responsibility or liability whatsoever for the use of the information contained herein. The information contained herein is provided "AS IS, WHERE IS" and with all faults, and the entire risk associated with such information is entirely with the user. All information contained herein is subject to change without notice.

The information contained herein or any use of such information does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other intellectual property rights, whether with regard to such information itself or anything described by such information. Proxicast products are not warranted or authorized for use as critical components in medical, life-saving, or life-sustaining applications, or other applications where a failure would reasonably be expected to cause severe personal injury or death.