



# RF Cable Assemblies Technical Data Sheet

ET28526

# Configuration

Connector 1: N MaleConnector 2: N Female

• Cable Type: ET38335 Low PIM

# Features

- Max Frequency 6 GHz
- Low PIM: -160 dBc Max
- Shielding Effectivity > 100 dB
- PVC LSZH Jacket
- .141 and .250 Formable Cable
- LSZH (Low Smoke Zero Halogen) PVC Jacket
- PIM < -160 dBc for type N, 4.1/9.5 DIN, 7/16 DIN version
- PIM < -150 dBc for SMA versions
- > 100 dB RF Shielding
- DC to 3 GHz and DC to 6 GHz Configurations
- 100% PIM and RF Tested

# JACKET O.161 Ø [4.1] SOLID CENTER CONDUCTOR

# Applications

- General Purpose
- Laboratory Use
- Low PIM Applications
- Communication Connectivity Requirements
- Low PIM Applications
- Test Equipment and Rack Systems
- Low PIM Lab Testing

# Description

Ebeestock's ET28526 type N male to type N female 200 cm cable using SR402FLJ low PIM coax is part of our full line of RF components available for same-day shipping. Ebeestock's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Ebeestock type N to type N cable assembly has a male to female gender configuration with 50 ohm formable ET38335 low PIM coax. The ET28526 type N male to type N female cable assembly operates to 6 GHz. Our low PIM design also offers excellent passive intermodula- tion performance with PIM levels better than -160 dBc. Ebeestock's low PIM formable cable assemblies are built using high quality formable .141 and .250 inch filled braid coax. These low PIM cable assemblies offer excellent passive intermodulation performance of -160dBc (-150dBc for SMA versions) and are 100% RF and PIM tested at the time of production. Our low PIM cables use a protective low smoke zero halogen PVC jacket material and make it ideal for environments where safety and reliability is needed. There are 16 low PIM cable assembly configurations available including 4.1/9.5 Mini DIN, 7/16 DIN, type N and SMA series in 100cm and 200cm standard lengths.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Male to N Female LSZH Jacketed Low PIM Cable 200 cm Length Using SR402FLJ Low PIM Coax with HeatShrink, RoHS ET28526

8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park, Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.





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# Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.25:1	
RF Shielding	100			dB
Passive Intermodulation			-160	dBc

## Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2	3	6	GHz
Insertion Loss (Typ.)	0.545	0.821	1.201	1.503	2.179	dB
Power Handling (Max.)	440	300	220	170	110	W

Electrical Specification Notes:

Insertion loss does not include the loss of the connectors.//Insertion loss is estimated as 0.05 x sqrt(fGHz) dB per connector.//Passive intermodulation is measured with two 20W tones at 1.8 GHz.

#### Mechanical Specifications

#### Cable Assembly

Length\* 78.74 in [200 cm]
Weight 0.353 lbs [160.12 g]

#### Cable

ET38335 Low PIM Cable Type Impedance 50 Ohms Inner Conductor Type Solid Inner Conductor Material and Plating Copper, Silver Dielectric Type PTFE Number of Shields Outer Conductor Material and Plating Tinned Copper Braid 0.141 in [3.58 mm] Outer Conductor Diameter Jacket Material PVC LSZH

Repeated Minimum Bend Radius 1.5 in [38.1 mm]

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0.161 in [4.09 mm]

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Jacket Diameter





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#### Connectors

Description	Connector 1	Connector 2	
Type	N Male	N Female	
Impedance	50 Ohms	50 Ohms	
Contact Material and Plating	Brass, Silver	Beryllium Copper, Silver	
Dielectric Type	PTFE	PTFE	
Body Material and Plating	Brass, Silver	Brass, Silver	
Coupling Nut Material and Plating	Brass, Tri-Metal		
Hex Size	3/4 inch	3/4 inch	

Mechanical Specification Notes:

# Environmental Specifications

Temperature

Operating Range

-55 to +125 deg C

Compliance Certifications (see product page for current document)

### Plotted and Other Data

Notes:

Values at 25°C, sea level.

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<sup>\*</sup>All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.





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#### How to Order

Part Number Configuration:

ET3C2001 - xx uu

Unit of Measure:

cm = Centimeters

<br/>
<br/>
<br/>
<br/>
chlank> = Inches

Base Number

Example: ET3C2001-12 = 12 inches long cable

ET3C2001-100cm = 100 cm long cable

N Male to N Female LSZH Jacketed Low PIM Cable 200 cm Length Using SR402FLJ Low PIM Coax with HeatShrink, RoHS from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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**URL:** https://www.ebeestock.com/n-male-to-n-female-lszh-jacketed-low-pim-cable-100-cm-length-usi ng-sr402flj-low-pim-coax-with-heatshrink-rohs-0028525

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Ebeestock reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Ebeestock does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Ebeestock does not assume any liability arising out of the use of any part or documentation.

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