Handheld RF Analyzer Rugged Phase Stable Cable N Male to N Male Right Angle Cable 144 Inch Length Using ET-FF430 Coax, RoHS

RF Cable Assemblies Technical Data Sheet

PE3C4003-144

Configuration

- Connector 1: N Male
- Connector 2: N Male Right Angle
- Cable Type: ET-FF430

Features

- Excellent VSWR and Insertion Loss
- Excellent Amplitude and Phase Stability with Flexure
- Rugged Armor provides crush and torque resistence
- UV resistant jacket
- Each serialized assembly includes test data
- In stock and ready to ship

Applications

- Field Testing
- Tower Measurements
- Base Station Analyzers
- Handheld Network Analyzers
- Portable Spectrum Analyzers
- Distance-To-Fault Measurements
- Site Maintenance

Description

Ebeestock's Handheld RF Analyzer Phase Stable cable assemblies are designed for use with portable and handheld network analyzers, spectrum analyzers and base station analyzers. These rugged portable analyzer cable assemblies offer a unique combination of low loss, phase stability, low VSWR and durability. The tough analyzer cable armor offers crush resistance, torque resistance, water resistance and UV resistance while still maintaining a high level of flexibility. These rugged handheld analyzer cable assemblies are compatible with Fieldfox®, Site Master, CellAdvisor® and Sitehawk® analyzers, supporting site maintenance, field testing, antenna testing and distance-to-fault measurements.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		9	GHz
VSWR			1.2:1	
Phase Stability with Flexure			1.5	Degrees
Amplitude Stability with Flexure			0.1	dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Handheld RF Analyzer Rugged Phase Stable Cable N Male to N Male Right Angle Cable 144 Inch Length Using ET-FF430 Coax, RoHS ET28639

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

Webstie:www.ebeestock.com Email:sales@ebeestock.com

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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	3	6	9			GHz
Insertion Loss (Max.)	2.98	4.48	5.74			dB
Power Handling (Max.)	277	215	150			Watts

Electrical Specification Notes:
Values at 25°C, sea level.

Mechanical Specifications

Cable Assembly

Length*	144 in [365.76 cm]

Cable

Cable Type	ET-FF430
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	6
Shield Layer 1	Silver Plated Copper Tape
Shield Layer 2	Metalized Polymide
Shield Layer 3	Silver Plated Copper Braid
Jacket Material	TPE
Jacket Diameter	0.43 in [10.92 mm]
One Time Minimum Bend Radius	1.5 in [38.1 mm]
Flat Plate Crush	1,200 lbs/in [21.43 Kg/mm]

Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male Right Angle
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel

Mechanical Specification Notes:

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*All cable assemblies have a length tolerance of 1.5% or ± 3/8”, whichever is greater.
Fieldfox® is a registered trademark of Keysight Technologies
CellAdvisor® is registered trademark Viavi Solutions
SiteHawk® is a registered trademark of Bird Technologies

Environmental Specifications

Temperature

Operating Range	-55 to +105 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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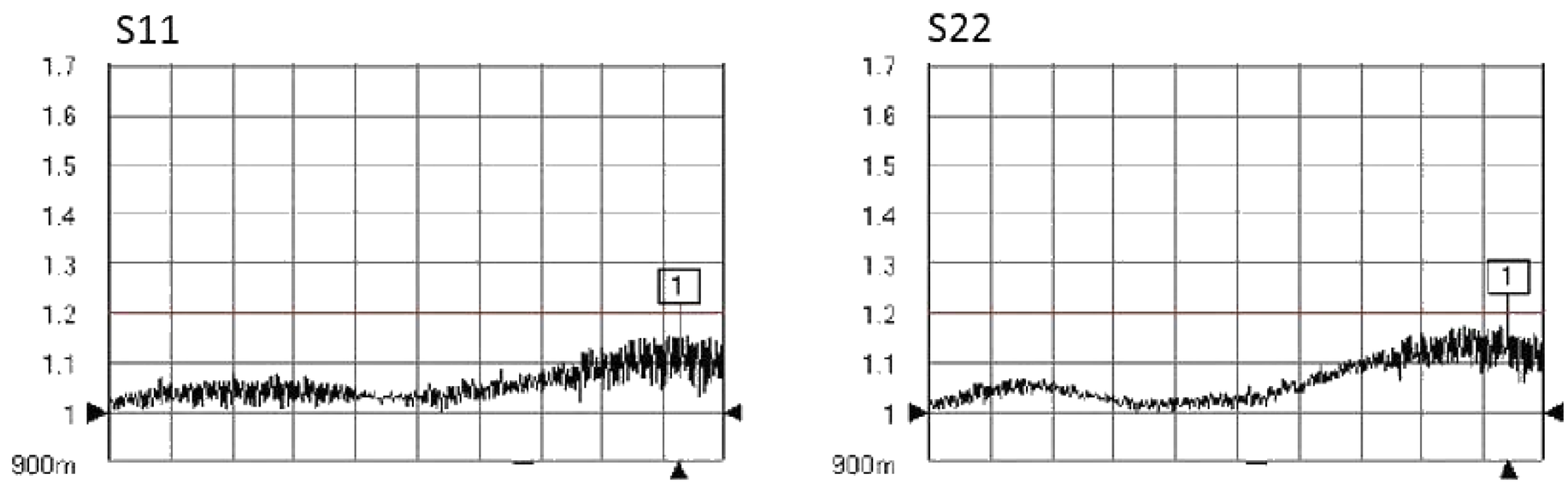
RF Cable Assemblies Technical Data Sheet

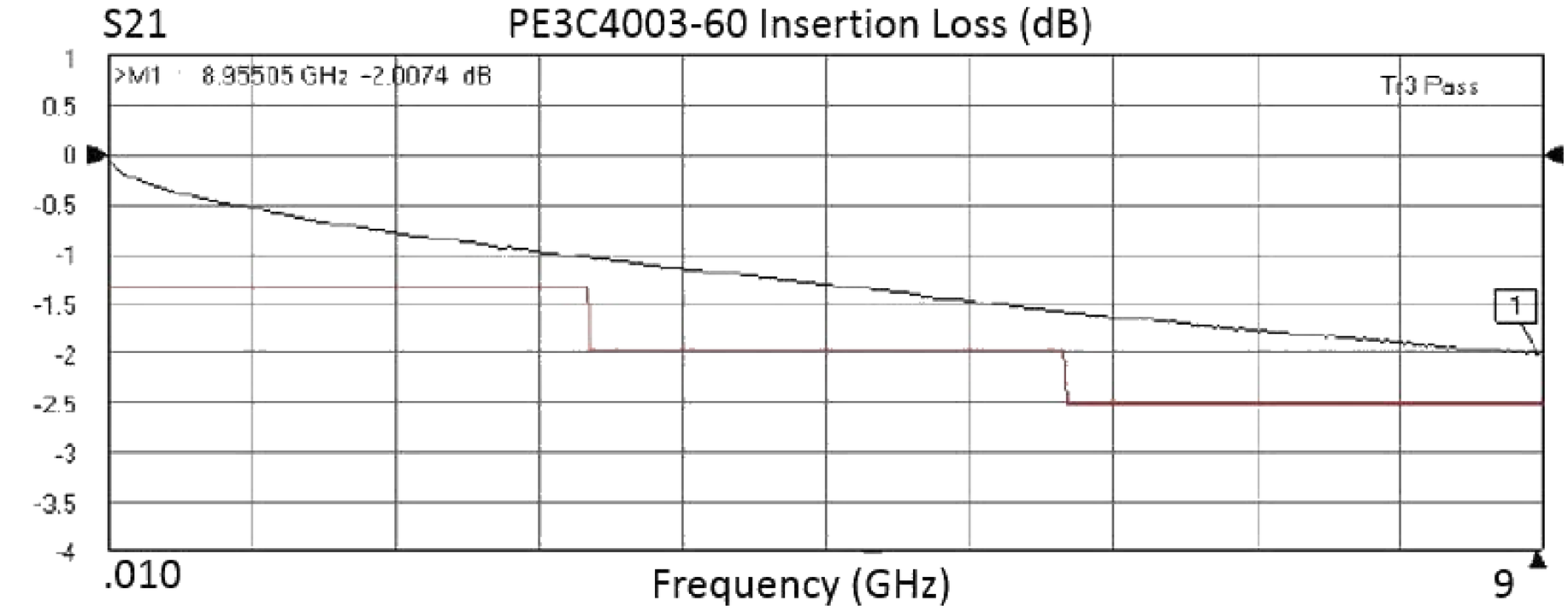
PE3C4003-144

Typical Performance Data

PE3C4003-60 VSWR



PE3C4003-60 Insertion Loss (dB)



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RF Cable Assemblies Technical Data Sheet

PE3C4003-144

How to Order

Part Number Configuration: **ET3C4003 - xx uu**

- **ET3C4003** — Base Number
- **xx** — Length
- **uu** — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches

Example: ET3C4003-12 = 12 inches long cable
ET3C4003-100cm = 100 cm long cable

Handheld RF Analyzer Rugged Phase Stable Cable N Male to N Male Right Angle Cable 144 Inch Length Using ET-FF430 Coax, 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/handheld-rf-analyzer-rugged-phase-stable-cable-n-male-to-n-male-right-angle-cable-60-inch-length-using-pe-ff430-coax-rohs-0028638

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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ET28639 CAD Drawing

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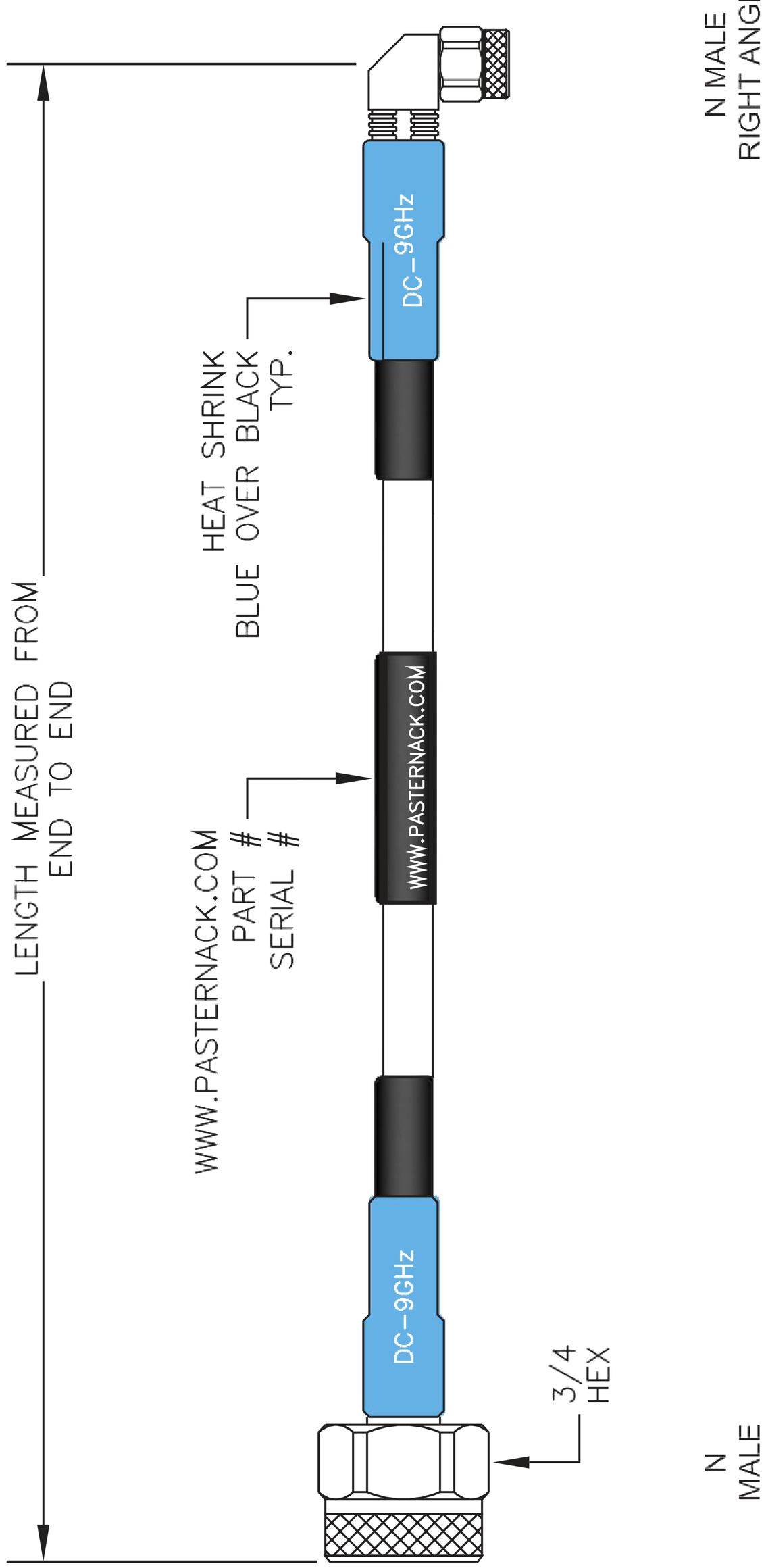

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].
4. LENGTH TOLERANCE IS ± 2%

DWG TITLE
PE3C4003

CAD FILE 041717

SCALE N/A

SIZE A

2233

CAGE CODE 53919

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