Handheld RF Analyzer Rugged Phase Stable Cable N Male to 7/16 DIN Male Cable 144 Inch Length Using Coax, RoHS

RF Cable Assemblies Technical Data Sheet ET17400

Configuration

- Connector 1: N Male
- Connector 2: 7/16 DIN Male
- Cable Type: PE-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		7	GHz
VSWR			1.2:1	
Phase Stability with Flexure			1.5	Degrees
Amplitude Stability with Flexure			0.1	dB

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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	3	7			GHz
Insertion Loss (Max.)	1.61	2.98	4.92			dB
Power Handling (Max.)	522	277	190			Watts

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

Mechanical Specifications

Cable Assembly

Length*	144 in [365.76 cm]
Weight	2.048 lbs [928.96 g]

Cable

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	7/16 DIN Male
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

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Mechanical Specification Notes:
*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

Notes:
- Values at 25°C, sea level.

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ET17400 CAD Drawing

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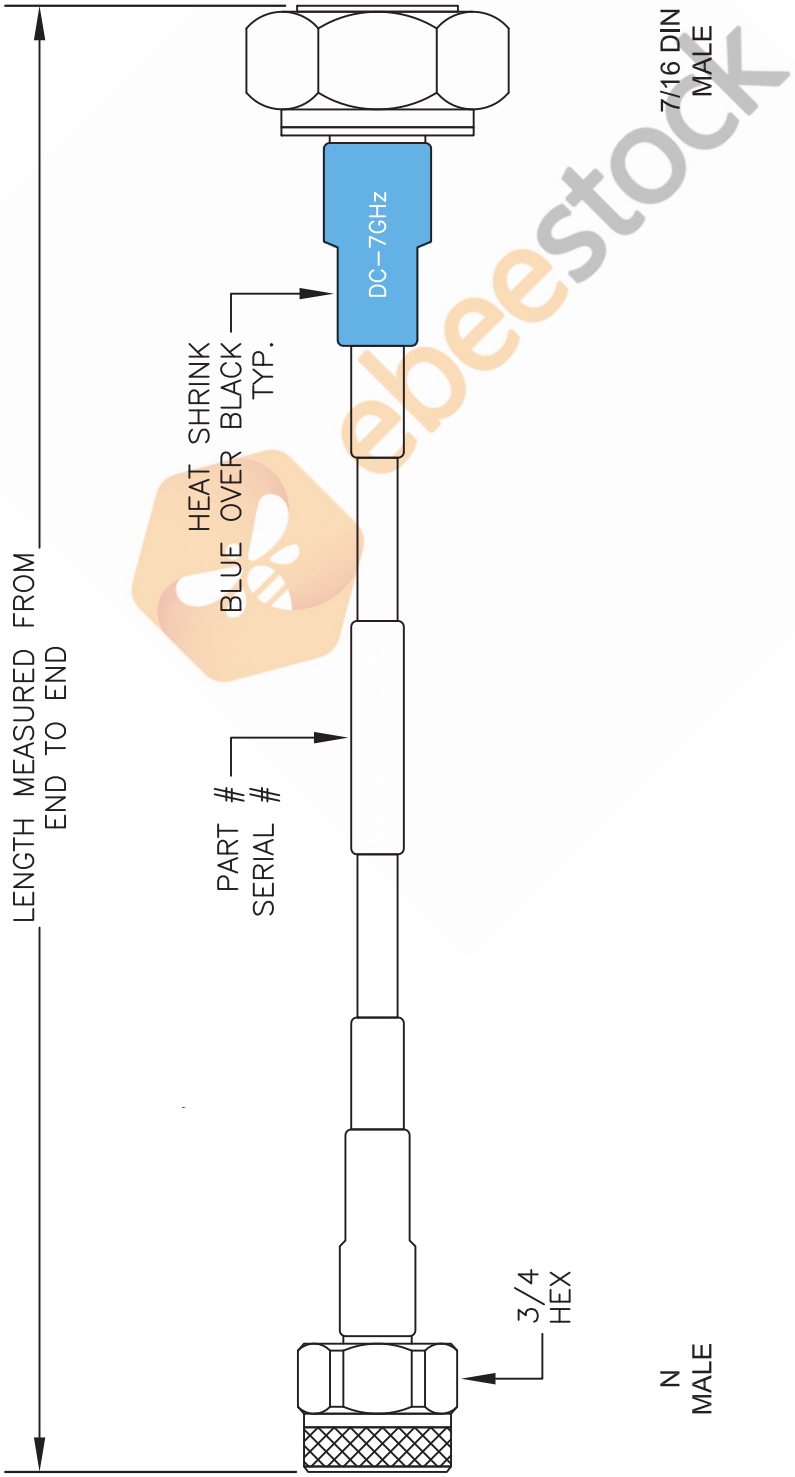

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].
4. LENGTH TOLERANCE IS ± 2%

DWG TITLE ET17400

CAD FILE 041717 | SCALE N/A | SIZE A | 2233

CAGE CODE 53919

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