PASTERNACK®
THE ENGINEER'S RF SOURCE



Quick Lock N Male to Quick Lock N Male Low Frequency Low Loss Cable 48 Inch Length Using PE-SF200LL Coax, RoHS

RF Cable Assemblies Technical Data Sheet PE3TC1102-48

Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: PE-SF200LL

Features

- Quick connection and quick lock design
- 1.35:1 VSWR to 6 GHz
- 76% velocity of propagation (VoP) low loss coax
- 100% VSWR tested and Hi-Pot tested to 500 volts
- Very flexible and durable
- Enhanced strain relief, head duty booting
- In-stock and ready to ship

Applications

- Production testing for Wi-Fi and LTE products
- RF developments testing
- General lab testing
- Test rack applications

Description

Pasternack's new lines of Type-N test cables built on our PE-SF200LL coax are optimized for use up to 6 GHz. Our Quick-Lock type N connectors have reduced threads making it easier to mate and de-mate the connectors while still providing a secure threaded connection. The highly flexible low loss coax design improves the usability of the test cables reducing the strain applied to your test components and making it easier to route the cables in your test setup or equipment rack. The flexible coax cable has excellent electrical properties including low insertion loss and >100 dB of shielding effectivity. These cables are an excellent choice for production testing where speed of connection is important while maintaining good electrical performance. These 6 GHz test cables are available with Male and Female N-Type connector options and are stocked in standard lengths and available for same day shipment.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.35:1	
Velocity of Propagation		76		%
RF Shielding	90			dB
Group Delay		1.34 [4.4]		ns/ft [ns/m]
Capacitance		26.7 [87.6]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms
Input Power (Peak)			3	KWatts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Quick Lock N Male to Quick Lock N Male Low Frequency Low Loss Cable 48 Inch Length Using PE-SF200LL Coax, RoHS PE3TC1102-48

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	6	GHz
Insertion Loss (Max.)	0.8	1.12	1.52	2.36	3.8	dB
Power Handling (Max.)	300	230	150	90	40	Watts

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

Mechanical Specifications

Cable Assembly

Length	48 in [121.92 cm]
Weight	0.3 lbs [136.08 g]

Cable

Cable Type	PE-SF200LL
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Bare
Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper
Jacket Material	PVC
Jacket Diameter	0.185 in [4.7 mm]
One Time Minimum Bend Radius	0.5 in [12.7 mm]

Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Dielectric Type	PTFE	PTFE
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Body Material and Plating	Brass, Nickel	Brass, Nickel

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes

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Plotted and Other Data

Notes:

- Values at 25°C, sea level.

How to Order

Part Number Configuration: **PE3TC1102 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3TC1102 — Base Number

Example: PE3TC1102-12 = 12 inches long cable
PE3TC1102-100cm = 100 cm long cable

Quick Lock N Male to Quick Lock N Male Low Frequency Low Loss Cable 48 Inch Length Using PE-SF200LL Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: http://www.pasternack.com/n-male-n-male-pe-sf200ll-cable-assembly-pe3tc1102-48-p.aspx

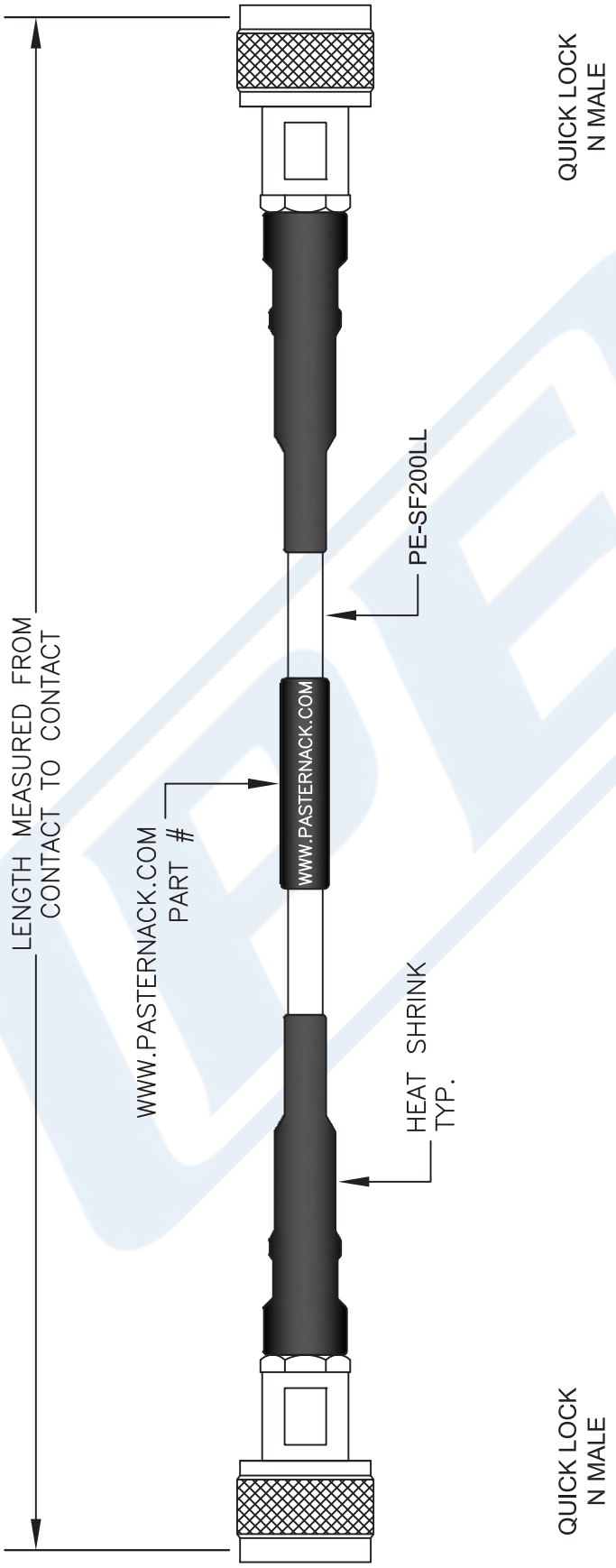
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PE3TC1102-48 CAD Drawing

Quick Lock N Male to Quick Lock N Male Low Frequency Low Loss Cable 48 Inch Length Using PE-SF200LL Coax, RoHS



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%

CAD FILE	SCALE	SIZE	
022516	N/A	A	2233

DWG TITLE: **PE3TC1102**

FSCM NO. 53919

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