PASTERNACK
an INFINITE brand

C Male to C Male Cable 48 Inch Length Using RG225 Coax

RF Cable Assemblies Technical Data Sheet   PE33098-48

Configuration

- Connector 1: C Male
- Connector 2: C Male
- Cable Type: RG225

Features

- 70% Phase Velocity
- Double Shielded
- PTFE (FG) Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE33098-48 type C male to type C male 48 inch cable using RG225 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack type C to type C cable assembly has a male to male gender configuration with 50 ohm flexible RG225 coax. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Diameter	0.75 in [19.05 mm]
Weight	0.896 lbs [406.42 g]

Cable

Cable Type	RG225
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Silver

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: C Male to C Male Cable 48 Inch Length Using RG225 Coax PE33098-48

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Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	PTFE (FG), Tan
Jacket Diameter	0.43 in [10.92 mm]

Connectors

Description	Connector 1	Connector 2
Type	C Male	C Male
Specification	MIL-STD-348	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Silver	Silver
Contact Plating Specification	QQ-S-365	QQ-S-365
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	QQ-N-290	QQ-N-290
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	QQ-N-290	QQ-N-290

Mechanical Specification Notes:
*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

Compliance Certifications (see product page for current document)

Plotted and Other Data
Notes:
• Values at 25°C, sea level.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: C Male to C Male Cable 48 Inch Length Using RG225 Coax PE33098-48

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

Sales@Pasternack.com • Techsupport@Pasternack.com

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RF Cable Assemblies Technical Data Sheet   PE33098-48

How to Order

Part Number Configuration: **PE33098   - xx   uu**

Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE33098-12 = 12 inches long cable
PE33098-100cm = 100 cm long cable

C Male to C Male Cable 48 Inch Length Using RG225 Coax from Pasternack 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.
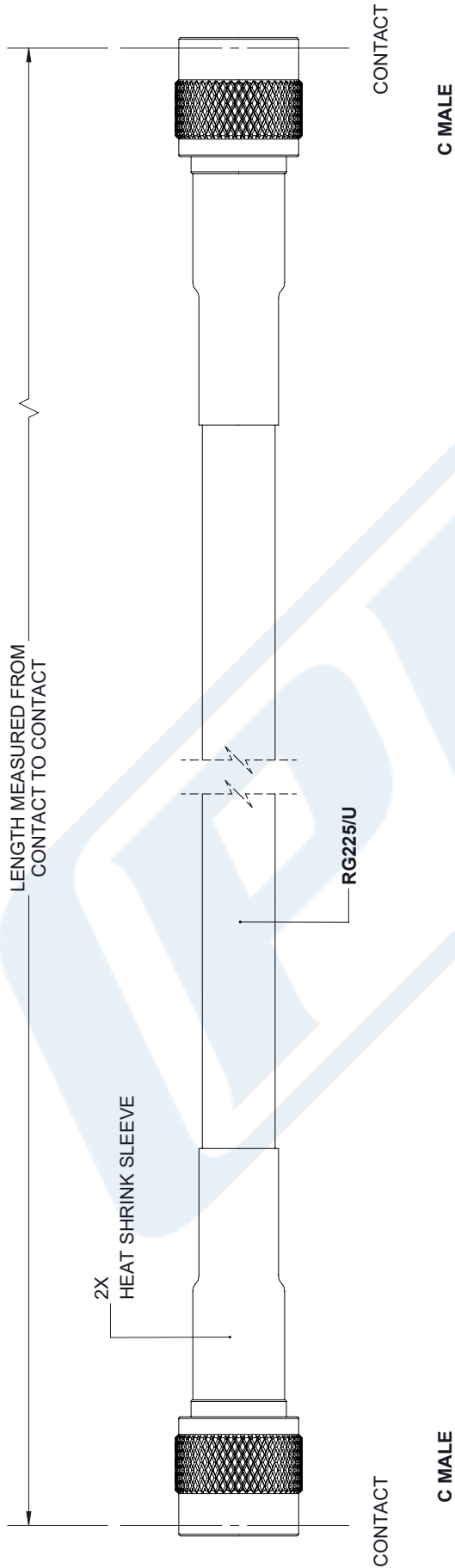
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URL: https://www.pasternack.com/c-male-c-male-rg225u-cable-assembly-pe33098-48-p.aspx

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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

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PE33098-48 CAD Drawing
C Male to C Male Cable 48 Inch Length Using RG225 Coax

CONTACT

C MALE

LENGTH MEASURED FROM CONTACT TO CONTACT

RG225/U

2X
HEAT SHRINK SLEEVE

C MALE

CONTACT

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	07/23/19	S.ELLIS

SHEET 1 OF 1

SCALE N/A

REV A

PART NUMBER
PE33098

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SIZE	CAGE	DRAWN BY
A	53919	K.DANG

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:
.X=± .2   [5.08]   FRACTIONS
.XX=± .01 [.25]   ± 1/32
.XXX=± .005 [.13]   ANGLES ± 1°

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

T-Rev.B