



## N Male to N Female Bulkhead Cable 60 Inch Length Using PE-P141 Coax

### RF Cable Assemblies Technical Data Sheet

PE3C3255-60

#### Configuration

- Connector 1: N Male
- Connector 2: N Female Bulkhead
- Cable Type: PE-P141

#### Features

- Max Frequency 18 GHz
- Shielding Effectivity > 110 dB
- 70% Phase Velocity
- Double Shielded
- FEP Jacket

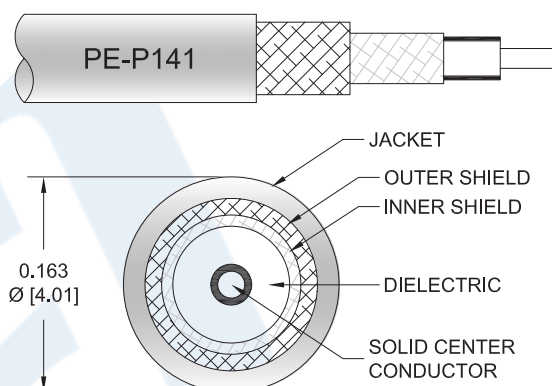
#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C3255-60 type N male to type N female bulkhead 60 inch cable using PE-P141 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 N to type N cable assembly has a male to female gender configuration with 50 ohm flexible PE-P141 coax. The PE3C3255-60 type N male to type N female cable assembly operates to 18 GHz. Our RF cable assembly with type N bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 110 dB.

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 Bulkhead Cable 60 Inch Length Using PE-P141 Coax PE3C3255-60](#)



## N Male to N Female Bulkhead Cable 60 Inch Length Using PE-P141 Coax

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#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.5:1	
Velocity of Propagation		70		%
RF Shielding	110			dB
Capacitance		29.4 [96.46]		pF/ft [pF/m]

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Max.)	0.96	1.23	2.3	3.05	3.3	dB

#### Electrical Specification Notes:

The Insertion Loss data above is data based on the performance specifications of the coax in this assembly. The Insertion Loss includes an estimated insertion loss of 0.4dB of connector loss.

#### Mechanical Specifications

##### Cable Assembly

Length*	60 in [152.4 cm]
Weight	0.32 lbs [145.15 g]

##### Cable

Cable Type	PE-P141
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Tape
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP, Blue
Jacket Diameter	0.163 in [4.14 mm]

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## N Male to N Female Bulkhead Cable 60 Inch Length Using PE-P141 Coax

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#### Connectors

Description	Connector 1	Connector 2
Type	N Male	N Female Bulkhead
Impedance	50 Ohms	50 Ohms
Mating Cycles		500
Contact Material and Plating		Beryllium Copper, Gold
Dielectric Type		PTFE
Outer Conductor Material and Plating		Brass, Nickel
Body Material and Plating	Passivated Stainless Steel	Brass, Nickel
Coupling Nut Material and Plating	Passivated Stainless Steel	

#### Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8"$ , whichever is greater.

#### Environmental Specifications

##### Temperature

Operating Range -40 to +150 deg C

#### Compliance Certifications (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

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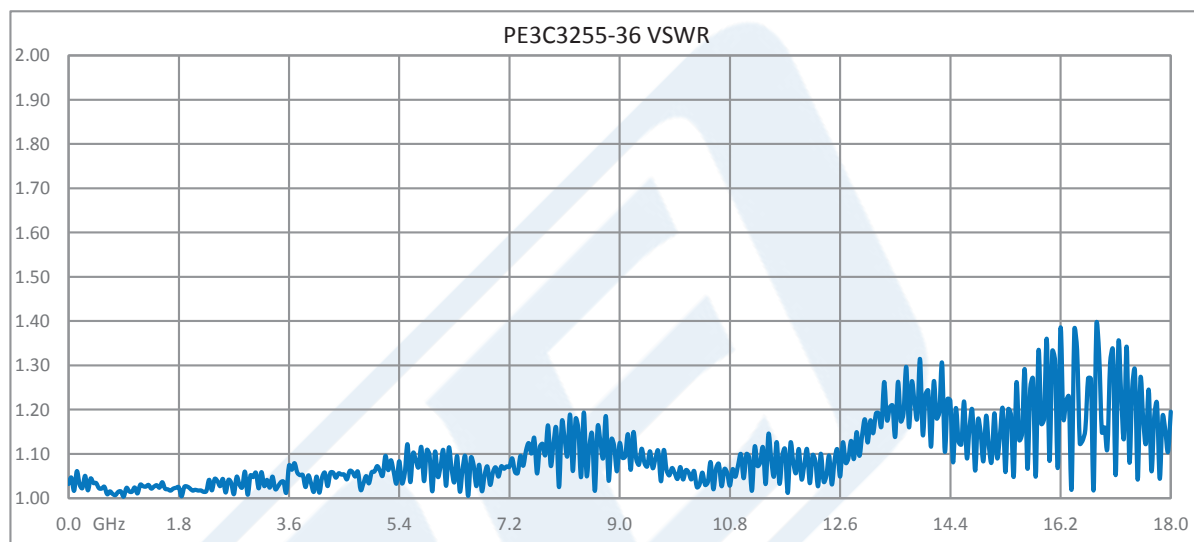


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Typical Performance Data



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## N Male to N Female Bulkhead Cable 60 Inch Length Using PE-P141 Coax

### RF Cable Assemblies Technical Data Sheet

PE3C3255-60

#### How to Order

Part Number Configuration:

**PE3C3255**

- **xx**

**uu**

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

Example: PE3C3255-12 = 12 inches long cable  
PE3C3255-100cm = 100 cm long cable

N Male to N Female Bulkhead Cable 60 Inch Length Using PE-P141 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.

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 Bulkhead Cable 60 Inch Length Using PE-P141 Coax PE3C3255-60](https://www.pasternack.com/n-male-n-female-pe-p141-cable-assembly-pe3c3255-60-p.aspx)

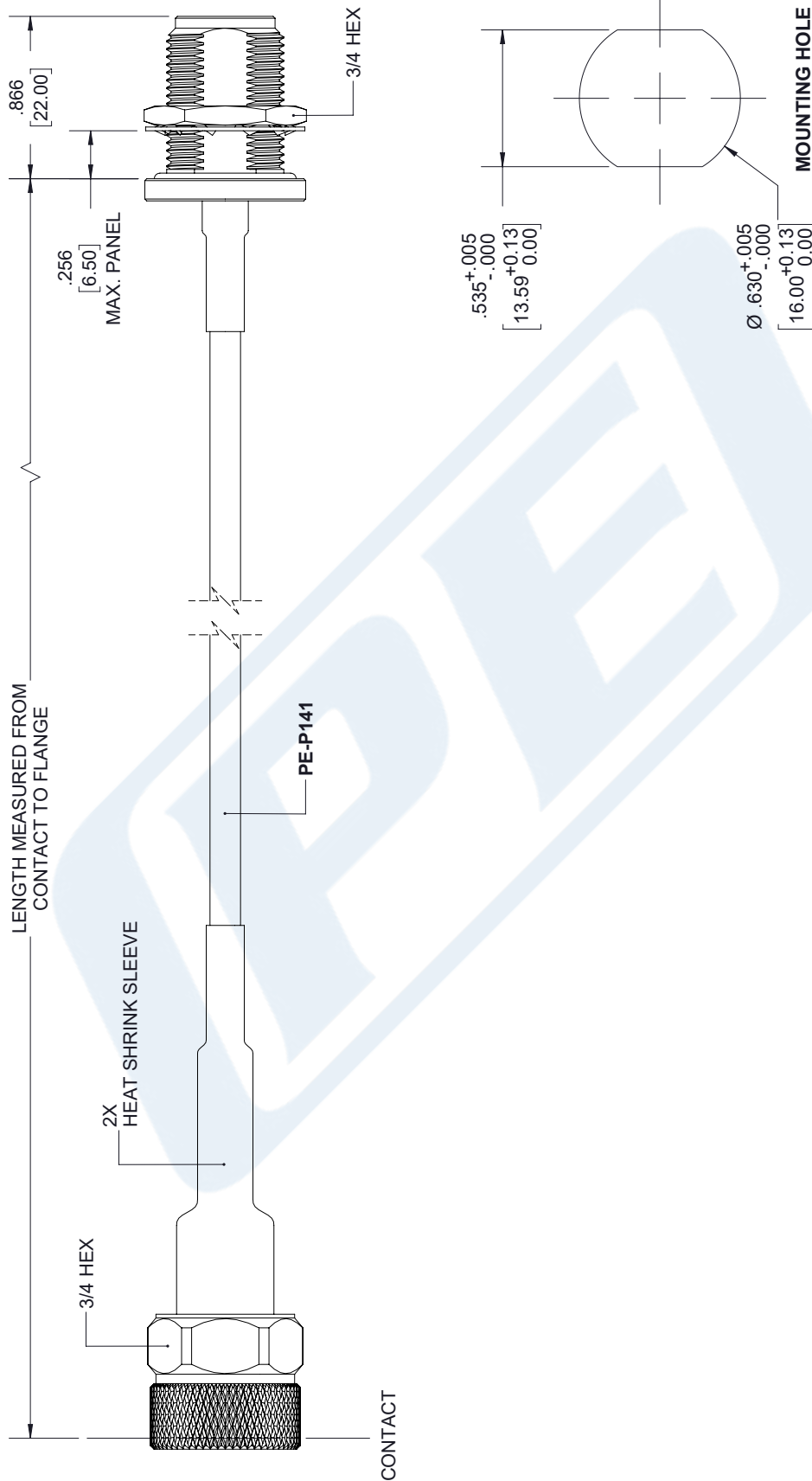
URL: <https://www.pasternack.com/n-male-n-female-pe-p141-cable-assembly-pe3c3255-60-p.aspx>

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# PE3C3255-60 CAD Drawing

N Male to N Female Bulkhead Cable 60 Inch Length Using PE-P141 Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE3C3255	1/9/2020	S.ELLIS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	
.X = ± .2 [5.08]	FRACTIONS ± 1/32
.XX = ± .02 [.51]	ANGLES ± 1°
.XXX = ± .005 [.13]	
CABLE LENGTH (L) TOLERANCES:	
L ≤ 12 [305] = +1 [25] / -0	
12 [305] < L ≤ 60 [1524] = +2 [51] / -0	
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0	
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0	
300 [7620] < L = +5% L / -0	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	

THIRD-ANGLE PROJECTION	
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SHEET 1	OF 1
SCALE	N/A
SIZE	CAGE CODE
A	53919
DRAWN BY	K. DANG
ITEM NO.	PE3C3255
REV	A



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