



## 3/4 inch-20 Twinax Male Connector Clamp/ Solder Attachment for PE-S330

### RF Connectors Technical Data Sheet

PE4104

#### Configuration

- 3/4"-20 Twinax Male Connector
- 95 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-S330

#### Features

- Max. Operating Frequency 200 MHz
- Gold Plated Brass Contact
- 30 µin minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4104 95 ohm 3/4 inch-20 Twinax male connector with clamp/solder attachment for PE-S330 is part of our full line of RF components available for same-day shipping. Our 3/4 inch-20 Twinax male connector operates up to a maximum frequency of 200 MHz.

Our 95 ohm 3/4 inch-20 Twinax male connector PE4104 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		200	MHz

#### Mechanical Specifications

Size	
Length	1.9 in [48.26 mm]
Width/Dia.	0.866 in [22.00 mm]
Weight	0.146 lbs [66.22 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3/4 inch-20 Twinax Male Connector Clamp/Solder Attachment for PE-S330 PE4104](#)



## 3/4 inch-20 Twinax Male Connector Clamp/ Solder Attachment for PE-S330

### RF Connectors Technical Data Sheet

PE4104

#### Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PBT	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

#### Mechanical Specification Notes:

When attaching the connector to the cable use a clamp torque value of 60 to 65 in-lbs [6.78 to 7.34 Nm]

#### Environmental Specifications

##### Temperature

Operating Range -40 to +60 deg C

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

#### Plotted and Other Data

##### Notes:

3/4 inch-20 Twinax Male Connector Clamp/Solder Attachment for PE-S330 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: [3/4 inch-20 Twinax Male Connector Clamp/Solder Attachment for PE-S330 PE4104](#)

URL: <https://www.pasternack.com/3-4-inch-20-male-standard-pe-s330-connector-pe4104-p.aspx>

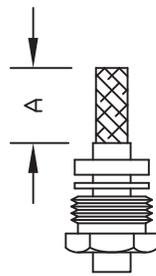
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

# PE4104 CAD Drawing

3/4 inch-20 Twinax Male Connector Clamp/Solder Attachment for PE-S330

## ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) AND GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN IN A. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF THE BRAID CLAMP (4). SLIDE BRAID CLAMP (4) OVER BRAID & BUTT INNER SHOULDER AGAINST JACKET. COMB BRAID & FORM OVER BRAID CLAMP (4). TRIM BRAID FLUSH WITH SHOULDER.

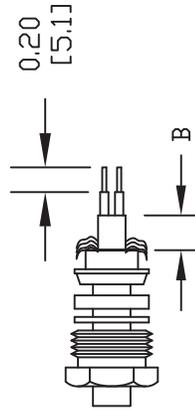


A = .500 [12.7]



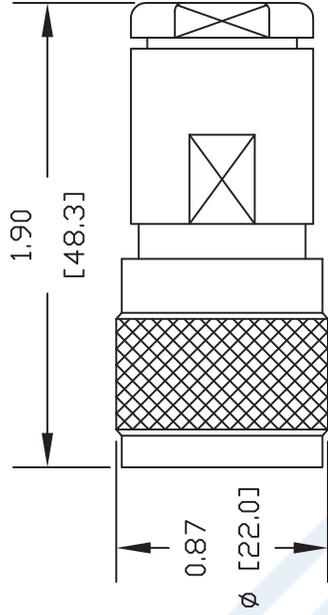
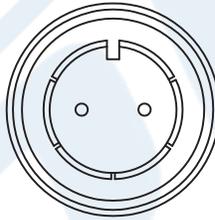
B = .125 [3.2]

2. STRIP CABLE AS SHOWN IN B. SLIDE WASHER (5) OVER DIELECTRIC & SIT FIRMLY AGAINST BRAID. SPREAD OUT CONTACTS TO ALLOW THE INSTALLATION OF BUSHING (6). SOLDER CONTACTS TO CENTER CONDUCTOR. INSERT CONTACTS INTO INSULATOR. WITH THE BARE COPPER CENTER CONDUCTOR SIDE GOES IN THE HOLE IDENTIFIED BY THE DOT. LINE THE INSULATOR KEY UP TO THE BODY PIN, INSERT ENTIRE ASSEMBLY AND TIGHTEN.



1 2 3 4

1 2 3 4 5 6



DWG TITLE

**PE4104**

- 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. FITS MIL-C-17 AND EQUIVALENT CABLES.

**PASTERNAK®**  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: www.pasternack.com | E-Mail: sales@pasternack.com

REV. - FSCM NO. 53919

CAD FILE 092608

SCALE N/A

SIZE A

127



## 3/4 inch-20 Twinax Female Connector Clamp/ Solder Attachment for PE-S330

### RF Connectors Technical Data Sheet

PE4346

#### Configuration

- 3/4"-20 Twinax Female Connector
- 95 Ohms
- Straight Body Geometry
- PE-S330 Interface Type
- Clamp/Solder Attachment

#### Features

- Gold Plated Brass Contact
- 30  $\mu$ m minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4346 3/4 inch-20 Twinax female connector clamp/solder attachment for PE-S330 is part of our full line of RF components available for same-day shipping.

Our 95 ohm 3/4 inch-20 Twinax female connector PE4346 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable connector assemblies for you and ship same-day.

#### Mechanical Specifications

##### Size

Length	1.65 in [41.91 mm]
Width/Dia.	0.75 in [19.05 mm]
Weight	0.123 lbs [55.79 g]

##### Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 $\mu$ m minimum
Insulation	PTFE	
Body	Brass	Nickel 100 $\mu$ m minimum

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3/4 inch-20 Twinax Female Connector Clamp/Solder Attachment for PE-S330 PE4346](#)



## 3/4 inch-20 Twinax Female Connector Clamp/ Solder Attachment for PE-S330

### RF Connectors Technical Data Sheet

PE4346

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

#### Plotted and Other Data

Notes:

3/4 inch-20 Twinax Female Connector Clamp/Solder Attachment for PE-S330 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3/4 inch-20 Twinax Female Connector Clamp/Solder Attachment for PE-S330 PE4346](#)

URL: <https://www.pasternack.com/3-4-inch-20-female-standard-pe-s330-connector-pe4346-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.

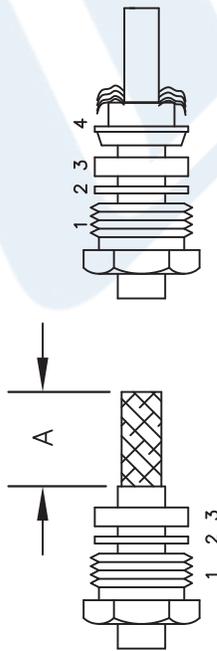
# PE4346 CAD Drawing

3/4 inch-20 Twinax Female Connector Clamp/Solder Attachment for PE-S330

## ASSEMBLY PROCEDURES

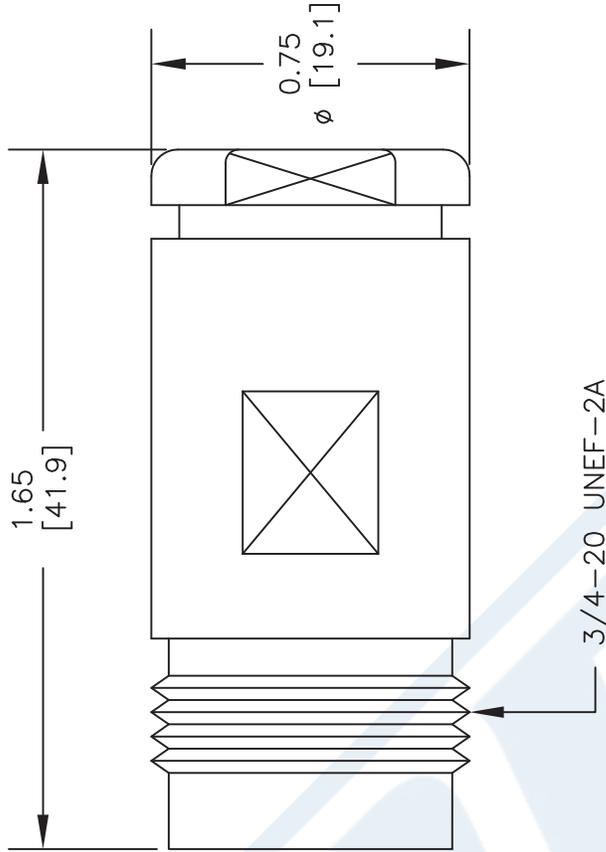
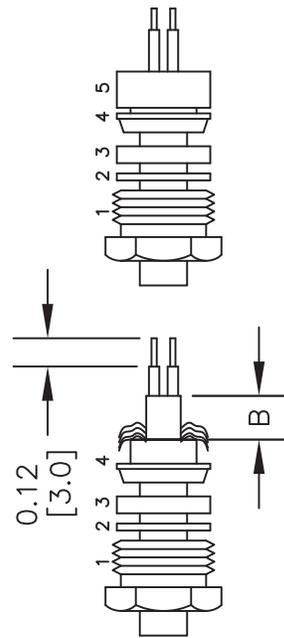
1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN IN A. DO NOT NICK THE BRAID OR INNER CONDUCTORS. TAPER END OF BRAID TO PERMIT ASSEMBLY OF THE BRAID CLAMP (4). SLIDE BRAID CLAMP (4) OVER BRAID & BUTT INNER SHOULDER AGAINST JACKET. FORM BRAID OVER BRAID CLAMP (4). TRIM BRAID FLUSH WITH SHOULDER.

A = .500



2. STRIP CABLE AS SHOWN IN B. SLIDE BUSHING (5) OVER DIELECTRIC & SEAT FIRMLY AGAINST BRAID. SOLDER CONTACTS TO CENTER CONDUCTORS. REMOVE ANY EXCESS SOLDER. PUSH OUT INSULATOR FROM BODY. SPREAD OUT CONTACTS. SLIDE INSULATOR OVER CONTACTS. LINE THE KEY WAY UP WITH THE PIN IN THE BODY & INSERT THE ENTIRE ASSEMBLY INTO BODY & TIGHTEN.

B = .100



DWG TITLE

**PE4346**

- 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. FITS MIL-C-17 AND EQUIVALENT CABLES.

**Website:** [www.pasternack.com](http://www.pasternack.com) | **E-Mail:** [sales@pasternack.com](mailto:sales@pasternack.com)

**PE PASTERNAK®**

Pasternack Enterprises, Inc.

P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451

REV. -

FSCM NO. 53919

CAD FILE 050802

SCALE N/A

SIZE A

2233



100 Ohm Flexible PE-S330 Twinax Cable  
Double Shielded with Black PVC Jacket

RF Cables  
Technical Data Sheet

PE-S330

**Configuration**

- Flexible Cable
- 2 Shield(s)

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		400	MHz
Impedance		100		Ohms
Operating Voltage (AC)			300	Vrms
Nominal Capacitance		15.5 [50.85]		pF/ft [pF/m]

**Performance by Frequency Band**

Description	F1	F2	F3	F4	F5	Units
Frequency	10	100	400			MHz
Attenuation, Typ	1.2	4.1	10.2			dB/100ft dB/100m
	3.94	13.45	33.46			

**Mechanical Specifications**

Diameter 0.33 in [8.38 mm]  
Weight 0.075 lbs/ft [0.11 Kg/m]

**Construction Specifications**

Description	Material and Plating	Diameter
Inner Conductor	Copper, Tin, 7 Strands	0.037 in [0.94 mm]
Conductor Type	Stranded	
Dielectric	PE	0.236 in [5.99 mm]
First Shield	Aluminum Tape	
Second Shield	Tinned Copper Braid	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [100 Ohm Flexible PE-S330 Twinax Cable Double Shielded with Black PVC Jacket PE-S330](#)



100 Ohm Flexible PE-S330 Twinax Cable  
Double Shielded with Black PVC Jacket

RF Cables  
Technical Data Sheet

PE-S330

---

Jacket	PVC, Black	0.33 in [8.38 mm]
--------	------------	-------------------

---

**Environmental Specifications**

**Temperature**

Operating Range -30 to +75 deg C

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

**Plotted and Other Data**

Notes:

100 Ohm Flexible PE-S330 Twinax Cable Double Shielded with Black PVC Jacket 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.

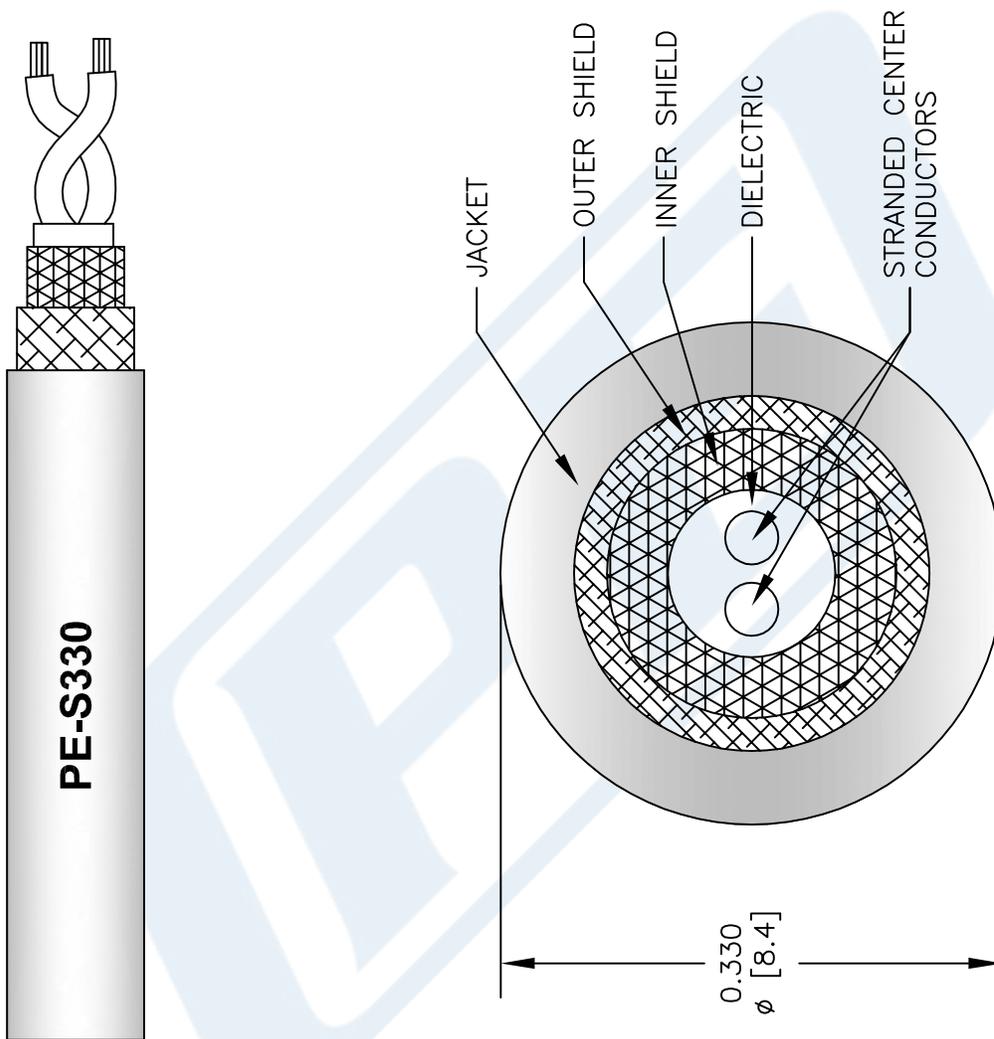
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [100 Ohm Flexible PE-S330 Twinax Cable Double Shielded with Black PVC Jacket PE-S330](#)

URL: <https://www.pasternack.com/flexible-0.330-100-ohm-twinax-cable-pvc-jacket-pe-s330-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.

# PE-S330 CAD Drawing

100 Ohm Flexible PE-S330 Twinax Cable Double Shielded with Black PVC Jacket



**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].

DWG TITLE  
**PE-S330**

FSCM NO. 53919

CAD FILE 040113-A

SCALE N/A

SIZE A

127

**PASTERNAK®**  
 Pasternack Enterprises, Inc.  
 P.O. Box 16759 | Irvine | CA | 92623  
**Phone:** (949) 261-1920 | **Fax:** (949) 261-7451  
**Website:** www.pasternack.com | **E-Mail:** sales@pasternack.com