



SSMB Plug Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, .100 inch

RF Connectors Technical Data Sheet

PE4017

Configuration

- SSMB Plug Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, .100 inch

Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.3:1
- Gold Plated Beryllium Copper Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4017 SSMB plug connector with crimp/solder attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100 and .100 inch is part of our full line of RF components available for same-day shipping. Our SSMB plug connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1.

Our SSMB plug connector PE4017 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 | | 6 | GHz |
| VSWR | | | 1.3:1 | |
| Operating Voltage (AC) | | | 250 | Vrms |
| Dielectric Withstanding Voltage (AC) | | | 500 | Vrms |

Mechanical Specifications

| | |
|-------------|--------------------|
| Size | |
| Length | 0.807 in [20.5 mm] |
| Width/Dia. | 0.184 in [4.67 mm] |
| Height | 0 in [0 mm] |
| Weight | 0.008 lbs [3.63 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMB Plug Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, .100 inch PE4017](#)



SSMB Plug Connector Crimp/Solder Attachment for RG174,
RG316, RG188, LMR-100, PE-B100, PE-C100, .100 inch

RF Connectors Technical Data Sheet

PE4017

Material Specifications

| Description | Material | Plating |
|-----------------|------------------|------------------------|
| Contact | Beryllium Copper | Gold 30 µin minimum |
| Insulation | PTFE | |
| Outer Conductor | Beryllium Copper | Gold 30 µin minimum |
| Body | Brass | Gold 30 µin minimum |
| Crimp Sleeve | Brass | Gold 30 µin minimum |

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

SSMB Plug Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, .100 inch 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.

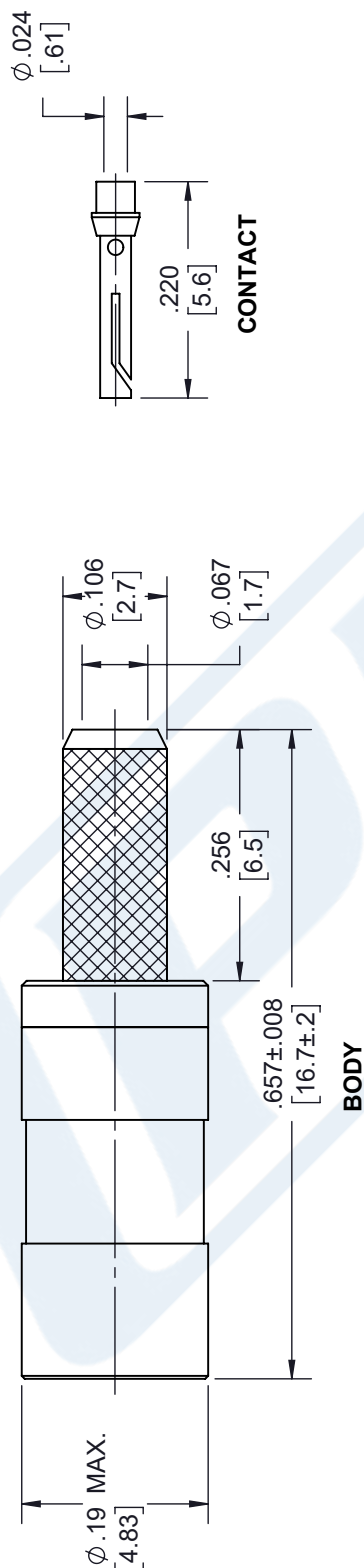
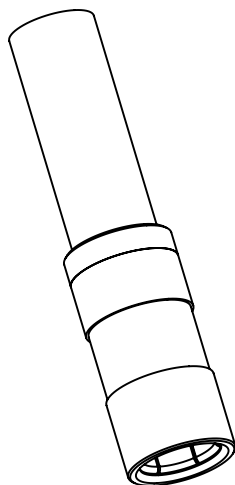
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URL: <https://www.pasternack.com/ssmb-plug-rg174-rg316-lmr-100-pe-b100-pe-c100-connector-pe4017-p.aspx>

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.

SSMB Plug Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, .100 inch

| REVISIONS | | | |
|-----------|-------------|--------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| B | PCR PE4017 | 4/7/22 | SRAUTUS |



STRIPPING DIMENSION

CRIMP SIZE REQUIRED

CONTACT:SOLDER
FERRULE:.128" HEX CRIMP TOOL

| | | | | | |
|--|----------|--|---|----|---|
| UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS | | | THIRD-ANGLE PROJECTION | | |
| TOLERANCES: | | | THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED. | | |
| X ± .2 | [5.08] | FRACTIONS | 1 | OF | 1 |
| .XX ± .02 | [.51] | ANGLES ± ° | SCALE | | |
| .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% / -0 | SHEET | | |
| | | | SCALE | | |
| | | | REV | | |
| ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY | | | REV | | |
| A | | | B | | |
| SIZE | | | ITEM NO. | | |
| A | | | PE4017 | | |
| CAGE CODE | | | N/A | | |
| DRAWN BY | | | | | |
| 53919 | | | | | |
| HBAKKE | | | | | |
| Pasternack Enterprises, Inc. | | | | | |
| P.O.Box 16759, Irvine, CA 92623. | | | | | |
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| PE PASTERNAK | | | | | |

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SSMB Plug Right Angle Connector Crimp/Solder Attachment for RG174, RG179, RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100

RF Connectors Technical Data Sheet

PE4334

Configuration

- SSMB Plug Connector
- MIL-STD-348
- 50 Ohms
- Right Angle Body Geometry
- RG174, RG179, RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100 Interface Type
- Crimp/Solder Attachment

Features

- Gold Plated Contact
- Contact plating according to MIL-G-45204

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4334 SSMB plug right angle connector with crimp/solder attachment for RG174, RG179, RG316, RG188, PE-B100, PE-C100, 0.100 inch and LMR-100 is part of our full line of RF components available for same-day shipping. Its right angle body geometry allows for easier connections in tight spaces.

Our SSMB plug right angle connector PE4334 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.

Mechanical Specifications

Size

| | |
|------------|---------------------|
| Length | 0.475 in [12.07 mm] |
| Width/Dia. | 0.188 in [4.78 mm] |
| Height | 0.435 in [11.05 mm] |
| Weight | 0.005 lbs [2.27 g] |

Material Specifications

| Description | Material | Plating |
|-------------|----------|---------------------|
| Contact | | Gold MIL-G-45204 |
| Insulation | PTFE | |
| Body | Brass | Gold MIL-G-45204 |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMB Plug Right Angle Connector Crimp/Solder Attachment for RG174, RG179, RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100 PE4334](#)



SSMB Plug Right Angle Connector Crimp/Solder Attachment for RG174, RG179, RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100

RF Connectors Technical Data Sheet

PE4334

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

Plotted and Other Data

Notes:

SSMB Plug Right Angle Connector Crimp/Solder Attachment for RG174, RG179, RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100 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.

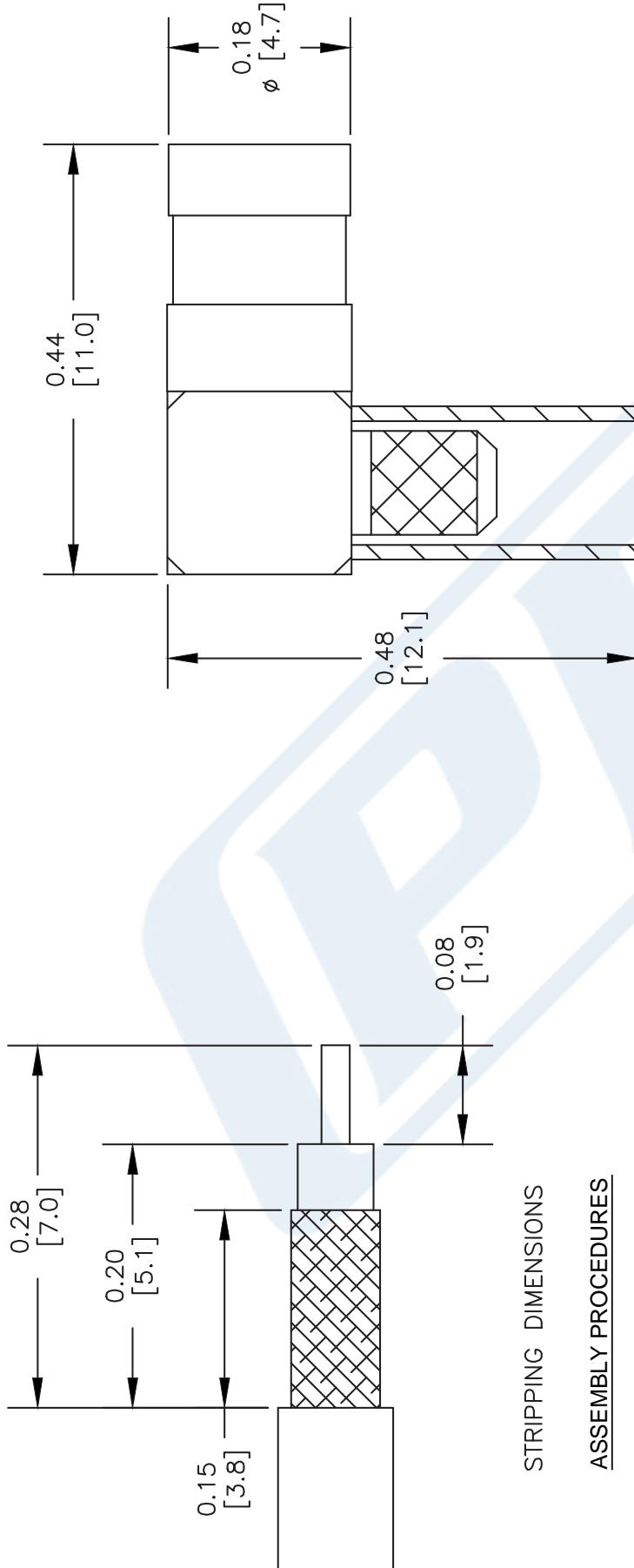
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URL: <https://www.pasternack.com/ssmb-plug-standard-rg174-rg179-rg316-rg188-connector-pe4334-p.aspx>

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PE4334 CAD Drawing

SSMB Plug Right Angle Connector Crimp/Solder Attachment for RG174,
RG179, RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN.
2. INSTALL CABLE INTO BODY OF CONNECTOR AND SOLDER CENTER CONDUCTOR IN PLACE.
3. SLIDE FERRULE OVER BRAID & SEAT AGAINST BODY. CRIMP FERRULE. PRESS CAP DOWN.

CRIMP SIZE REQUIRED

FERRULE: .128" HEX CRIMP TOOL



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Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE

PE4334

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.

REV. -

FSCM NO. 53919

CAD FILE 080405

SCALE N/A

SIZE A

2233

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket



RG188A/U

Configuration

- Flexible Cable
- 1 Shield(s)

Features

- High temperature 50 Ohm data signal transmission
- Teflon taped outer jacket results in a 200 degree C operating temperature
- Stranded center conductor allows cable to be very flexible
- Small diameter is ideal for tight fit applications
- Associated connectors and crimp tools available

Applications

- Ethernet
- Data
- Premise Wiring
- R&D

Description

RG188 coax cable from Pasternack is only one of a large number of radio frequency twinaxial and coaxial cable types specifically stocked to be ready for quick shipment. Pasternack's RG188A/U coax cable is manufactured in a flexible design and has a 50 Ohm impedance. This flexible 50 Ohm coax cable RG188 is constructed with a 0.11 inch diameter and PTFE jacket.

RG188 RG188A/U flexible 50 Ohm coax cable with PTFE jacket is rated for a 3 GHz maximum operating frequency. This 50 Ohm 0.11 inch diameter and flexible coax cable is built with a shield count of 1.

Pasternack's RG188 coax is constructed with PTFE dielectric and a maximum operating temperature of 250 degrees C. RG188 coax cable specs for this wire properties can be found on its RF coax cable RG-188 datasheet PDF specifications above.

RG188 cable is part of more than one million RF, microwave and millimeter wave parts in stock at Pasternack. This RG-188 coax cable is ready to buy and can be shipped worldwide. Pasternack also maintains a wide selection of other radio frequency twinaxial and coaxial cable types that ship same-day from our warehouse as with the rest of our other RF/microwave and millimeter wave components.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|-------------|--------------|--------------|
| Frequency Range | DC | | 3 | GHz |
| Impedance | | 50 | | Ohms |
| Velocity of Propagation | | 70 | | % of c |
| Time Delay | | 1.45 [4.76] | | ns/ft [ns/m] |
| Dielectric Withstanding Voltage (AC) | | | 2,000 | Vrms |
| Inner Conductor DC Resistance | | | 84.1 | Ohms/1000ft |
| Nominal Capacitance | | | 29.3 [96.13] | pF/ft [pF/m] |
| Power@ 1GHz | | | 160 | Watts |

Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-------------|-----|----|----|----|----|-------|
| Frequency | 400 | | | | | MHz |

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket



RG188A/U

Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|------------------|-------|----|----|----|----|----------|
| Attenuation, Typ | 20 | | | | | dB/100ft |
| | 65.62 | | | | | dB/100m |

Electrical Specification Notes:

Static Bending Radius: One Time: 0.52 inch, repeated: 1.03

Mechanical Specifications

| | |
|----------|-------------------------|
| Diameter | 0.11 in [2.79 mm] |
| Weight | 0.01 lbs/ft [0.01 kg/m] |

Construction Specifications

| Description | Material and Plating | Diameter |
|-----------------|--------------------------------------|--------------------|
| Inner Conductor | Copper Clad Steel, Silver, 7 Strands | 0.02 in [0.51 mm] |
| Conductor Type | Stranded | |
| Dielectric | PTFE | 0.06 in [1.52 mm] |
| First Shield | Silver Plated Copper Braid | 0.081 in [2.06 mm] |
| | 95.2% coverage | |
| Jacket | PTFE, White | 0.11 in [2.79 mm] |

Environmental Specifications

| | |
|-----------------|------------------|
| Temperature | |
| Operating Range | -55 to 200 deg C |

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

Plotted and Other Data

Notes:

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket



RG188A/U

Flexible RG188 Coax Cable Single Shielded with White PTFE 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.

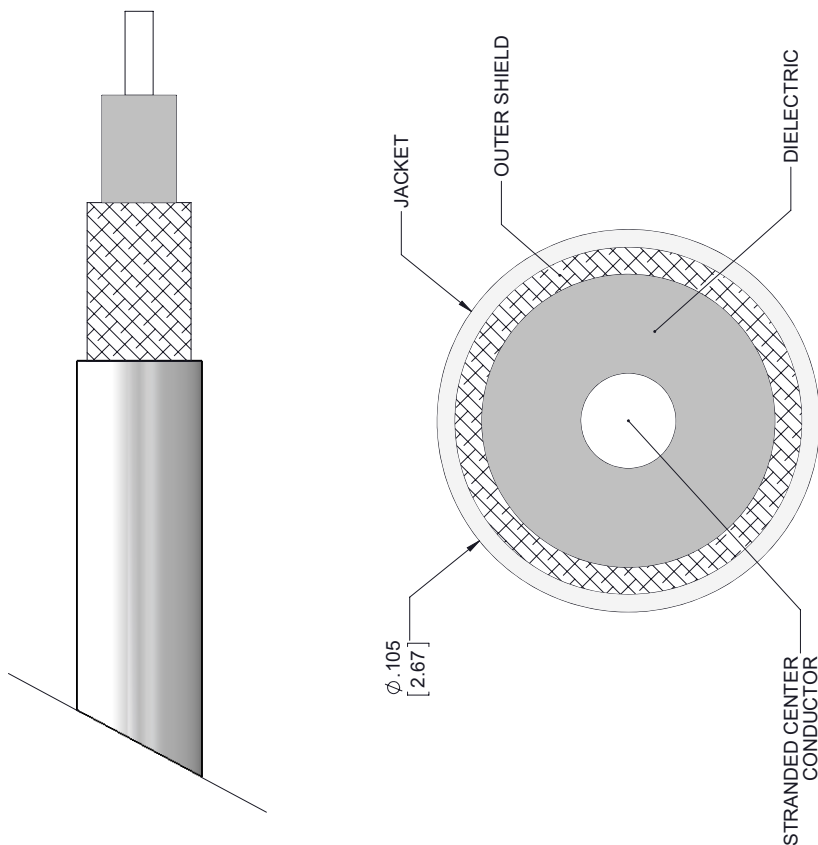
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket RG188A/U](#)

URL: <https://www.pasternack.com/50-ohm-flexible-rg188au-ptfe-jacket-silver-plated-copper-braid-outer-conductor-single-shielded-white-rg188a-u-p.aspx>

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Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket



| <u>STANDARD TOLERANCES</u> | |
|----------------------------|-------------|
| .X | ± 0.2 |
| .XX | ± 0.01 |
| .XXX | ± 0.005 |

***STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES**



PASTERNAK®
THE ENGINEER'S RF SOURCE

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DWG TITLE

RG188A/U

CAGE CODE 53919

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CAD FILE 091817

SCALE N/A

SIZE A

7361