FME Jack Connector Crimp/Solder Attachment
For RG174, RG316, RG188

TECHNICAL DATA SHEET	PE44148

FME Jack Connector Crimp/Solder Attachment For RG174, RG316, RG188

Configuration

Connector	FME Jack
Connector Interface Type	RG174,RG316,RG188
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight

Electrical Specifications

Impedance, Ohms	50

Mechanical Specifications

Size

Length, in [mm]	1.28 [32.51]
Width/Dia., in [mm]	0.312 [7.92]
Weight, lbs [g]	0.013 [5.9]

Connector

Type	FME Jack
Contact Material and Plating	Brass, Gold
Body Material and Plating	Brass, Nickel
Dielectric Type	PTFE

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

RoHS Compliant	Yes

Plotted and Other Data

Notes:	Values at 25 °C, sea level

FME Jack Connector Crimp/Solder Attachment For RG174, RG316, RG188 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.
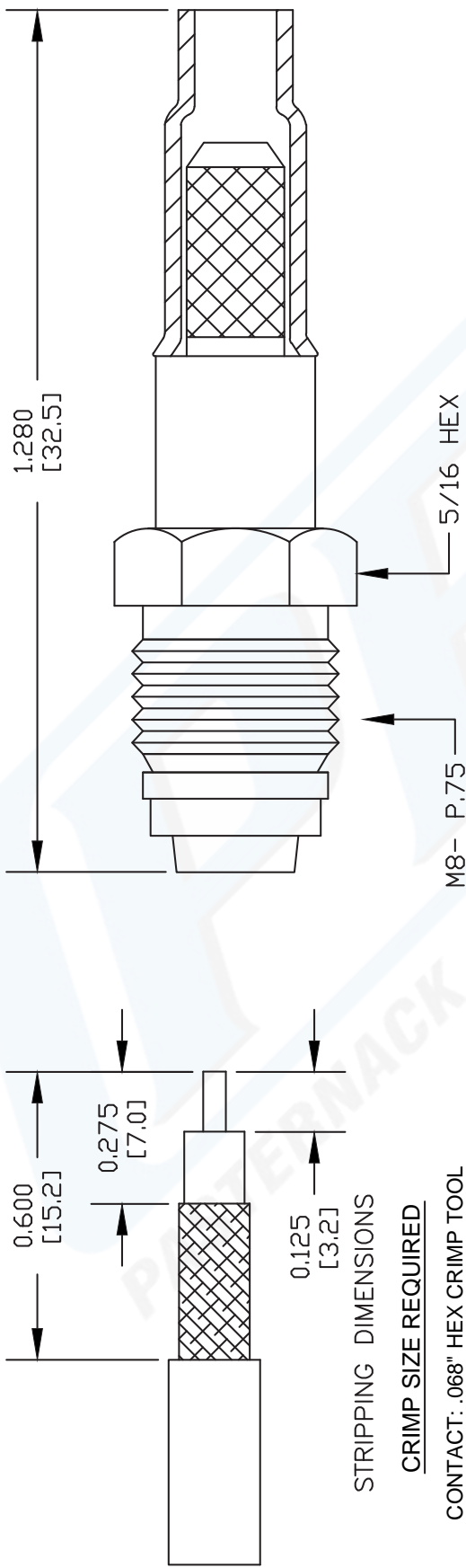
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: FME Jack Connector Crimp/Solder Attachment For RG174, RG316, RG188 PE44148

URL: http://www.pasternack.com/fme-jack-standard-rg174-rg316-rg188-connector-pe44148-p.aspx

PE44148 CAD Drawing
FME Jack Connector Crimp/Solder Attachment For RG174, RG316, RG188

1.280
[32.5]

5/16 HEX

M8– P.75

0.600
[15.2]

0.275
[7.0]

0.125
[3.2]

STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: .068" HEX CRIMP TOOL
FERRULE: .178" HEX CRIMP TOOL

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.

XXXX

SIZE A

SCALE N/A

CAD FILE 062702

DWG TITLE
PE44148

FSCM NO. 53919

PE44148 REV 01

2

FME Plug Connector Crimp/Solder Attachment
For RG174, RG316, RG188

TECHNICAL DATA SHEET	PE44297

FME Plug Connector Crimp/Solder Attachment For RG174, RG316, RG188

Configuration
Connector	FME Plug
Connector Interface Type	RG174,RG316,RG188
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight

Electrical Specifications
Impedance, Ohms	50

Mechanical Specifications

Size
Length, in [mm]	1.332 [33.83]
Width/Dia., in [mm]	0.359 [9.12]
Weight, lbs [g]	0.013 [5.9]

Connector
Type	FME Plug
Contact Material and Plating	Brass, Gold
Contact Plating Specification	30µ in. minimum
Body Material and Plating	Brass, Nickel
Body Plating Specification	100µ in. minimum
Dielectric Type	Teflon

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

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

FME Plug Connector Crimp/Solder Attachment For RG174, RG316, RG188 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.
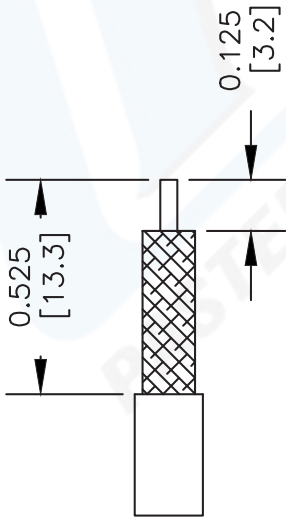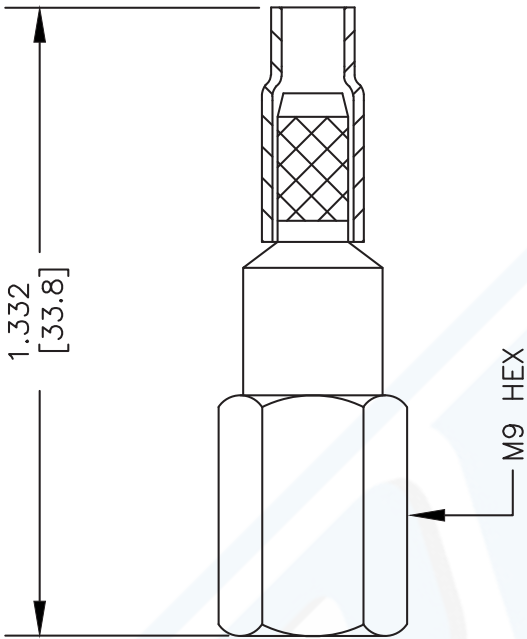
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: FME Plug Connector Crimp/Solder Attachment For RG174, RG316, RG188 PE44297

URL: http://www.pasternack.com/fme-plug-standard-rg174-rg316-rg188-connector-pe44297-p.aspx

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

© 2013 Pasternack Enterprises All Rights Reserved   PE44297 REV 01   1

PE44297 CAD Drawing
FME Plug Connector Crimp/Solder Attachment For RG174, RG316, RG188

1.332
[33.8]

M9 HEX

0.125
[3.2]

0.525
[13.3]

STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: .068
FERRULE: .128" HEX CRIMP TOOL

XXXX

SIZE A

SCALE N/A

062102

CAD FILE

DWG TITLE

PE44297

FSCM NO. 53919

PASTERNACK®

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

2

Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket

RF Cables
Technical Data Sheet

TIMES MICROWAVE SYSTEMS
An Amphenol Company

RG174A/U

Times Microwave Systems Coax Cable Specification

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Nominal Capacitance		31.08 [101.97]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	100	400	1,000			MHz
Attenuation, Typ	8.4	27.56	32			dB/100ft
	27.56	90.42	104.99			dB/100m

Mechanical Specifications

Diameter	0.11 in [2.79 mm]
Weight	0.009 lbs/ft [0.01 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, 7 Strands	0.019 in [0.48 mm]
Conductor Type	Stranded	
Dielectric	PE	0.06 in [1.52 mm]
First Shield	Tinned Copper Braid	0.078 in [1.98 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket RG174A/U

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

© 2018 Pasternack Enterprises All Rights Reserved   RG174A/U REV 1.2   1

Flexible RG174 Coax Cable Single
Shielded with Black PVC Jacket

RF Cables
Technical Data Sheet

TIMES MICROWAVE SYSTEMS
An Amphenol Company

RG174A/U

Jacket	PVC, Black	0.11 in [2.79 mm]

Environmental Specifications
Temperature
Operating Range   -40 to +80 deg C

Compliance Certifications (see product page for current document)
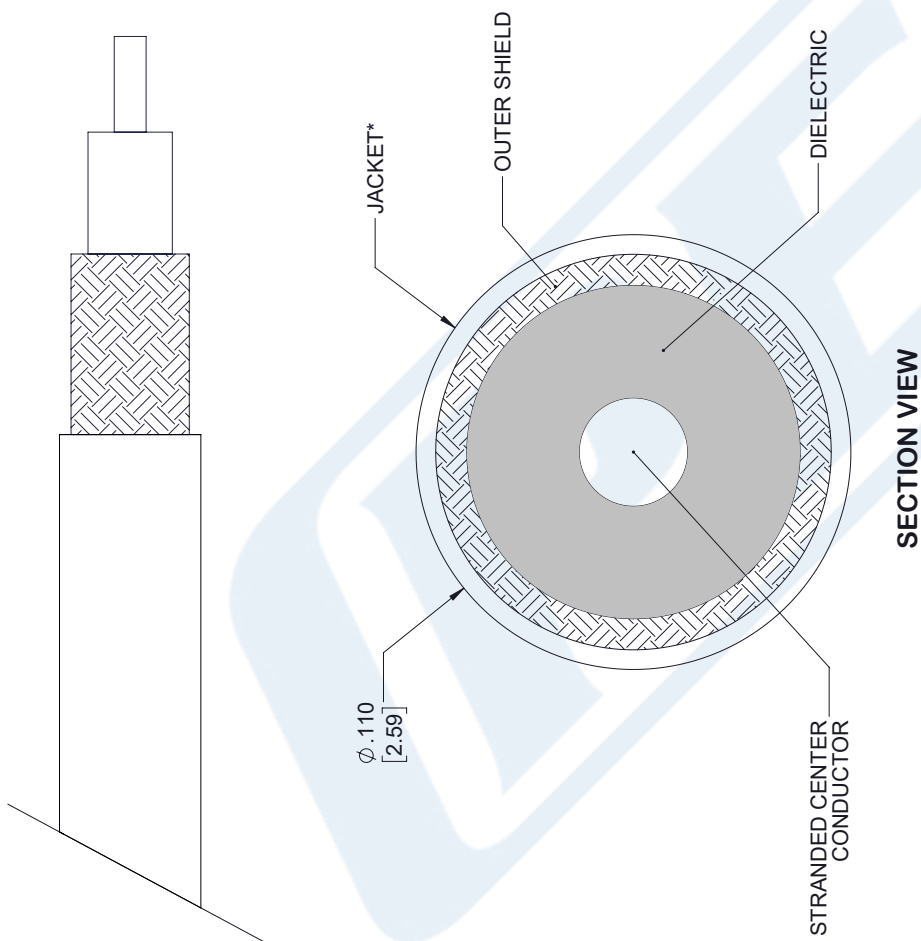
Plotted and Other Data
Notes:

Flexible RG174 Coax Cable Single 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: Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket RG174A/U

URL: https://www.pasternack.com/flexible-0.100-rg174-50-ohm-coax-cable-pvc-jacket-rg174a-u-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.

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

© 2018 Pasternack Enterprises All Rights Reserved   RG174A/U REV 1.2   2

JACKET*

OUTER SHIELD

DIELECTRIC

∅ .110
[2.59]

STRANDED CENTER
CONDUCTOR

SECTION VIEW

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].

CAD FILE	SCALE N/A	SIZE A
05/25/18		7361

DWG TITLE

RG174A/U

CAGE CODE 53919

PE) PASTERNACK®
THE ENGINEER'S RF SOURCE
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

NOTE:

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

STANDARD TOLERANCES	
.X	± 0.2
.XX	± 0.01
.XXX	± 0.005