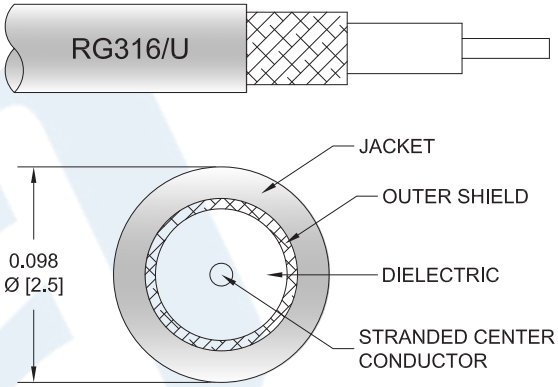
PASTERNACK
an INFINITE brand

BNC Male to Water Blue FAKRA Jack Cable 48 Inch Length Using RG316 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet PE3W07080/HS-48

Configuration

- Connector 1: BNC Male
- Connector 2: FAKRA Jack
- Cable Type: RG316



Features

- Max Frequency 3 GHz
- 69% Phase Velocity
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W07080/HS-48 BNC male to water blue FAKRA jack 48 inch cable using RG316 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 BNC to FAKRA cable assembly has a male to jack gender configuration with 50 ohm flexible RG316 coax. The PE3W07080/HS-48 BNC male to FAKRA jack cable assembly operates to 3 GHz.

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
Frequency Range	DC		3	GHz
VSWR			1.5:1	
Velocity of Propagation		69		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Jacket Spark			2,000	Vrms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BNC Male to Water Blue FAKRA Jack Cable 48 Inch Length Using RG316 Coax with Heat-Shrink PE3W07080/HS-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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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	3	GHz
Insertion Loss (Max.)	0.74	0.9	1.72	2.2	2.52	dB

Electrical Specification Notes:
The Insertion Loss data above is based on the performance specifications of the coax use in this assembly. The Insertion Loss includes an estimated insertion loss of 0.2dB of connector Loss

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Diameter	0.57 in [14.48 mm]

Cable

Cable Type	RG316
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.102 in [2.59 mm]

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Connectors

Description	Connector 1	Connector 2
Type	BNC Male	FAKRA Jack
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles	500	
Contact Material and Plating	Brass, Gold	Phosphor Bronze, Gold
Contact Plating Specification	30 µin minimum	
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating		Brass, Nickel
Body Material and Plating	Brass, Nickel	Plastic
Body Plating Specification	100 µin minimum	
Coupling Nut Material and Plating	Brass, Nickel	

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

Environmental Specifications

Temperature

Operating Range -40 to +85 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration: **PE3W07080/HS - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3W07080/HS — Base Number

Example: PE3W07080/HS-12 = 12 inches long cable
PE3W07080/HS-100cm = 100 cm long cable

BNC Male to Water Blue FAKRA Jack Cable 48 Inch Length Using RG316 Coax with HeatShrink 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/bnc-male-fakra-jack-rg316u-cable-assembly-pe3w07080-hs-48-p.aspx

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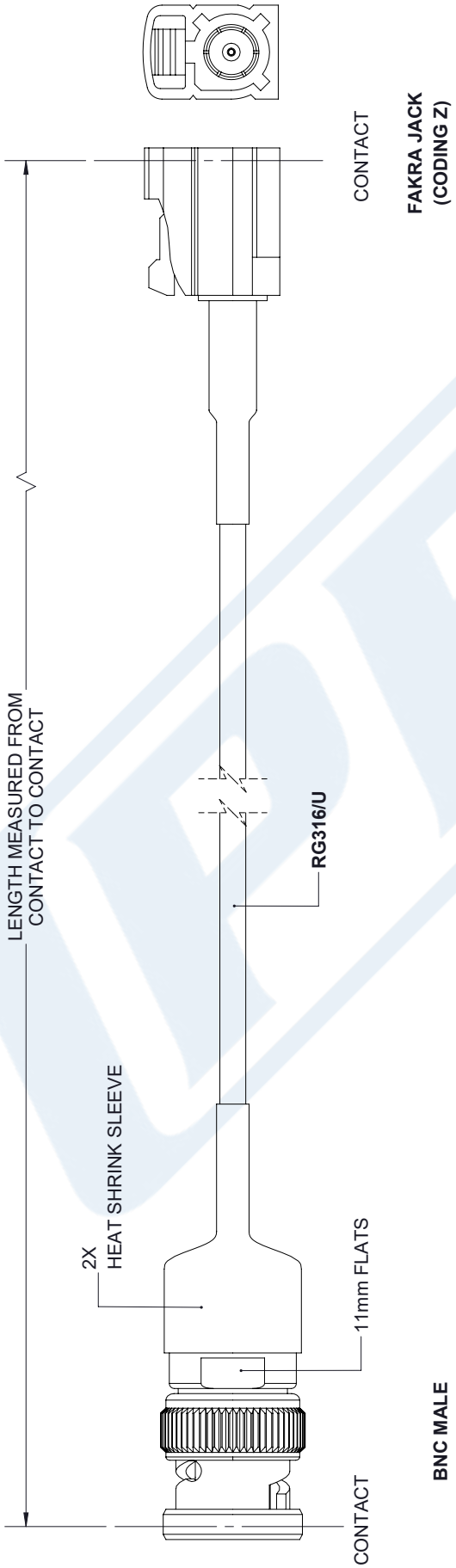
PE3W07080/HS-48 CAD Drawing

BNC Male to Water Blue FAKRA Jack Cable 48 Inch Length Using RG316 Coax with HeatShrink



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/23/19	S.ELLIS

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

TOLERANCES:

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

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SIZE	CAGE	DRAWN BY	PART NUMBER	REV
A	53919	K.DANG	PE3W07080/HS	A

SHEET 1 OF 1

SCALE N/A

T-Rev.B