

Black FAKRA Jack to MMCX Plug Right Angle Cable
Using RG188-DS Coax with HeatShrink, LF Solder



RF Cable Assemblies Technical Data Sheet

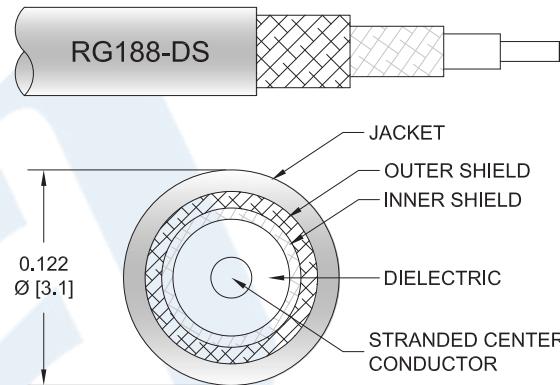
PE3W07428LF/HS

Configuration

- Connector 1: FAKRA Jack
- Connector 2: MMCX Plug Right Angle
- Cable Type: RG188-DS

Features

- Max Frequency 4 GHz
- Double Shielded
- PTFE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W07428LF/HS black FAKRA jack to MMCX plug right angle cable using RG188-DS 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 FAKRA to MMCX cable assembly has a jack to plug gender configuration with 50 ohm flexible RG188-DS coax. The PE3W07428LF/HS FAKRA jack to MMCX plug cable assembly operates to 4 GHz. The right angle MMCX interface on the RG188-DS cable allows for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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: [Black FAKRA Jack to MMCX Plug Right Angle Cable Using RG188-DS Coax with HeatShrink, LF Solder PE3W07428LF/HS](#)

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
VSWR			1.4:1	
Capacitance	32 [104.99]			pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	4	GHz
Insertion Loss (Typ.)	0.115	0.145	0.197	0.3	0.667	dB/ft
	0.38	0.48	0.65	0.98	2.19	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the FAKRA jack connector and 0.2 dB for the MMCX plug connector.

Mechanical Specifications

Cable Assembly

Weight 0.03 lbs [13.61 g]

Cable

Cable Type RG188-DS
Impedance 50 Ohms
Inner Conductor Type Stranded
Inner Conductor Material and Plating Copper Clad Steel, Silver
Dielectric Type PTFE
Number of Shields 2
Shield Layer 1 Silver Plated Copper Braid
Shield Layer 2 Silver Plated Copper Braid
Jacket Material PTFE, White
Jacket Diameter 0.118 in [3 mm]

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PE3W07428LF/HS

Connectors

Description	Connector 1	Connector 2
Type	FAKRA Jack	MMCX Plug Right Angle
Specification		BS EN 122340
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Contact Material and Plating	Phosphor Bronze, Gold	Brass, Gold
Contact Plating Specification		30 μ in. minimum
Dielectric Type	Teflon	Teflon
Outer Conductor Material and Plating	Brass, Nickel	
Body Material and Plating	Plastic	Brass, Gold
Body Plating Specification		3 μ in. minimum

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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RF Cable Assemblies Technical Data Sheet

PE3W07428LF/HS

How to Order

Part Number Configuration:

PE3W07428LF/HS - xx

uu

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

Example: PE3W07428LF/HS-12 = 12 inches long cable
PE3W07428LF/HS-100cm = 100 cm long cable

Black FAKRA Jack to MMCX Plug Right Angle Cable Using RG188-DS Coax with HeatShrink, LF Solder 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.

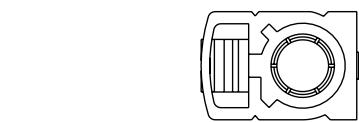
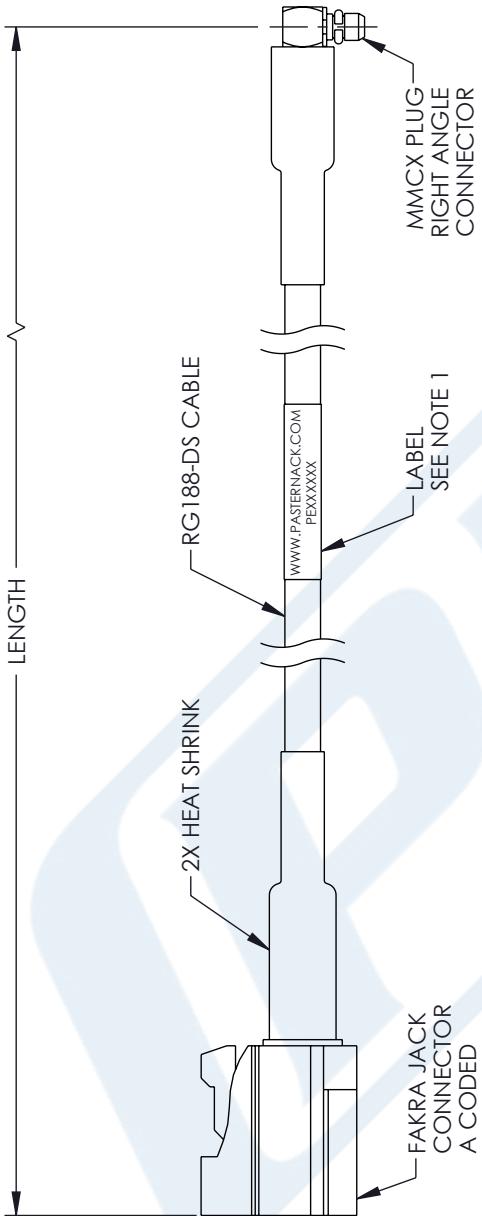
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URL: <https://www.pasternack.com/fakra-jack-to-mmcx-plug-cable-using-rg188-ds-with-heatshrink-lf-solder-pe3w07428lf-hs-p.aspx>

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PE3W07428LF/HS CAD Drawing

Black FAKRA Jack to MMCX Plug Right Angle Cable Using
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NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT:
36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED.
LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES
FROM EACH CONNECTOR.
CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
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INTERPRET ALL DIMENSIONS AND

TOLERANCES PER ASME Y14.5
SCALE SHEET

NONE 1 OF 1

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A
BLACK FAKRA JACK TO MMCX PLUG RIGHT ANGLE CABLE
USING RG188-DS COAX WITH HEATSHRINK, LF SOLDER

ITEM NO.
KGLEBOVA
SIZE A 53919
CAGE CODE
DRAWN BY
KGLEBOVA
REV
A
PE3W07428LF/HS

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS
TOLERANCES:
 $X = \pm 2$ [5] FRACTIONS
 $XX = \pm 02$ [5] $\pm 1/32$
 $XXX = \pm 005$ [13] ANGLES $\pm 1^\circ$
CABLE LENGTH TOLERANCES:
 ≤ 12 [305] = ± 1
 > 12 [305] -80 [1524] = ± 2 [51] / -0
 > 60 [1524] ≤ 120 [3048] = ± 4 [102] / -0
 > 120 [3048] ≤ 300 [7620] = ± 6 [152] / -0
 > 300 [7620] = $\pm 5\%$ / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY
AND SUBJECT TO CHANGE WITHOUT NOTICE