

SMA Male to FAKRA Code Z / Water Blue Plug Cable RG-188 Coax



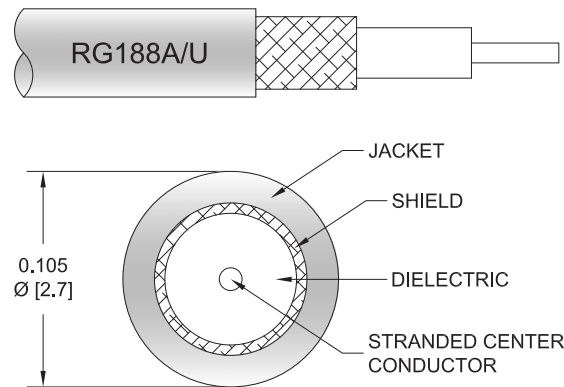
FMCA100092

Configuration

- Connector 1: SMA Male
- Connector 2: FAKRA Plug
- Cable Type: RG-188
- Coax Flex Type: Flexible

Features

- Max Frequency 3 GHz
- PTFE Jacket



Applications

- General Purpose
- Laboratory Use

Description

The SMA male to FAKRA Code Z / plug cable using RG188 coax, part number FMCA100092, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to FAKRA cable assembly has a male to plug gender configuration with 50 ohm flexible RG-188 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA100092 SMA male to FAKRA plug 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 RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. 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			1.4:1	

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.03 lbs [13.61 g]

Cable

Cable Type	RG-188
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE

SMA Male to FAKRA Code Z / Water
Blue Plug Cable RG-188 Coax



FMCA100092

Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	PTFE, White
Jacket Diameter	0.11 in [2.79 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	FAKRA Plug
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Phosphor Bronze, Gold
Contact Plating Specification	50 µin minimum	
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating		Brass, Nickel
Body Material and Plating	Brass, Gold	Plastic
Body Plating Specification	3 µin minimum	
Coupling Nut Material and Plating	Brass, Gold	
Coupling Nut Plating Specification	3 µin minimum	
Hex Size	5/16 inch	

Environmental Specifications

Operating Range Temperature	-40 to +85 deg C
-----------------------------	------------------

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

Plotted and Other Data

Notes:

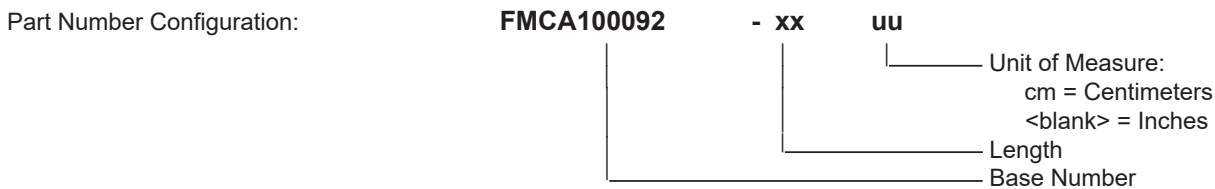
SMA Male to FAKRA Code Z / Water Blue Plug Cable RG-188 Coax



FMCA100092

Typical Performance Data

How to Order



Example: FMCA100092-12 = 12 inches long cable
FMCA100092-100cm = 100 cm long cable

SMA Male to FAKRA Code Z / Water Blue Plug Cable RG-188 Coax from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

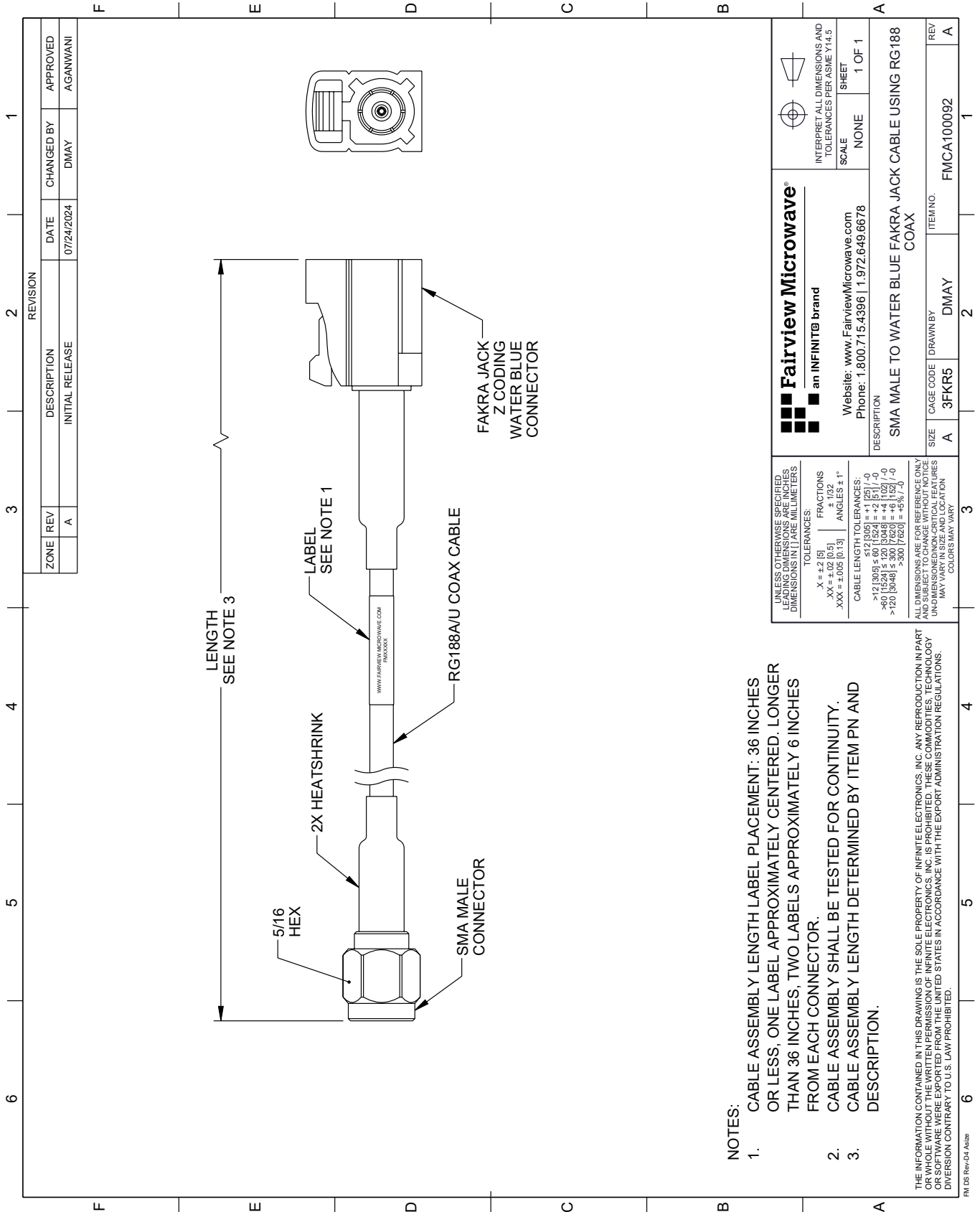
For additional information on this product, please click the following link: [SMA Male to FAKRA Code Z / Water Blue Plug Cable RG-188 Coax FMCA100092](#)

URL: <https://www.fairviewmicrowave.com/sma-male-to-fakra-plug-cable-rg188-coax-fmca100092-p.aspx>

The information contained within 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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume liability arising out of the use of any part or document.

FMCA100092 CAD Drawing

SMA Male to FAKRA Code Z / Water Blue Plug Cable RG-188 Coax



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.
2. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

FM DS Rev-D4 A426

REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV			
	A	07/24/2024	DMAY	AGANWANI
DESCRIPTION				
INITIAL RELEASE				

<p>Fairview Microwave® an INFINIT® brand</p> <p>Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678</p>		<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p> <p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>
DESCRIPTION		
SMA MALE TO WATER BLUE FAKRA JACK CABLE USING RG188 COAX		
SIZE	CAGE CODE	ITEM NO.
A	3FKR5	DMAY
		REV
		A

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

TOLERANCES:
 .X = ±.2 [5]
 .XX = ±.02 [0.5]
 .XXX = ±.005 [0.13]

FRACTIONS
 ± 1/32
 ANGLES ± 1°

CABLE LENGTH TOLERANCES:
 <12 [305] ±.60 [15.24] = ±.2 [5.1] / -0
 >12 [305] ≤ 60 [1524] = ±.2 [5.1] / -0
 >60 [1524] ≤ 120 [3048] = ±.4 [10.2] / -0
 >120 [3048] ≤ 300 [7620] = ±.8 [20.3] / -0
 >300 [7620] = ±.8 [20.3] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONS/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.