

TNC Female Bulkhead to RA SMA Male Cable RG-188 Coax

The TNC female bulkhead to RA SMA male cable using RG188 coax, part number FMCA3268, from Fairview Microwave is in-stock and ships same day. This Fairview TNC to SMA cable assembly has a female to male 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 FMCA3268 TNC female to SMA male cable assembly operates to 3 GHz. The right angle SMA interface on the RG-188 cable allows for easier connections in tight spaces. Our RF cable assembly with TNC bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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	Min	Typ	Max	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	3			GHz
Insertion Loss (Typ.)	0.25	0.5	1.5			dB/ft
	0.82	1.64	4.92			dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB for the RA SMA male connector and 0.1 dB for the TNC female bulkhead straight connector.

Mechanical Specifications

Cable Assembly

Weight 0.08 lbs [36.29 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
 Number of Shields 1
 Shield Layer 1 Silver Plated Copper Braid
 Jacket Material PTFE
 Jacket Diameter 0.11 in [2.79 mm]



Configuration:

- TNC Female Bulkhead
- SMA Male Right Angle
- RG-188

Features:

- Max Frequency 3 GHz
- PTFE Jacket

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector 1	Connector 2
Type	TNC Female	SMA Male
Mount Method	Bulkhead	
Specification	MIL-STD-348	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Phosphor Bronze, Gold	Brass, Gold
Contact Plating Spec.		50 µin minimum
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating	Brass, Nickel	
Body Material & Plating	Brass, Nickel	Brass, Nickel
Body Plating Spec.		100 µin minimum
Coupling Nut Material & Plating		Brass, Nickel
Coupling Nut Plating Spec.		100 µin minimum
Hex Size	5/8 inch	5/16 inch

Environmental Specifications
Temperature

Operating Range -45 to +85 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA3268 - xx uu

 cm = Centimeters
 <blank> = Inches
 Length

 Example: FMCA3268-12 = 12 inches long cable
 FMCA3268-100cm = 100 cm long cable

TNC Female Bulkhead to RA SMA Male Cable RG-188 Coax from Fairview Microwave 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.

Click the following link to obtain additional part information: [TNC Female Bulkhead to RA SMA Male Cable RG-188 Coax FMCA3268](#)

URL: <https://www.fairviewmicrowave.com/tnc-female-bulkhead-to-ra-sma-male-cable-rg-188-coax-fmca3268-p.aspx>

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