

Snap-On BMA Jack to N Male Cable FM-SR141TBJ Coax in 36 Inch

The BMA jack snap-on to type N male 36 inch cable using FM-SR141TBJ coax, part number FMCA1627-36, from Fairview Microwave is in-stock and ships same day. This Fairview BMA to type N cable assembly has a jack to male gender configuration with 50 ohm formable FM-SR141TBJ coax. Fairview Microwave's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. The FMCA1627-36 BMA jack to type N male cable assembly operates to 11 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 | Min | Typ | Max | Units |
|-------------------------|-----|-------------|-------|--------------|
| Frequency Range | DC | | 11 | GHz |
| VSWR | | | 1.5:1 | |
| Return Loss | | | 15.56 | dB |
| Velocity of Propagation | | 70 | | % |
| RF Shielding | 100 | | | dB |
| Group Delay | | 1.43 [4.69] | | ns/ft [ns/m] |
| Capacitance | | 29 [95.14] | | pF/ft [pF/m] |

Performance by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|------|------|------|------|------|-------|
| Frequency | 0.5 | 1 | 2.5 | 5 | 11 | GHz |
| Insertion Loss (Typ.) | 0.44 | 0.56 | 0.74 | 1.04 | 1.52 | dB |

Mechanical Specifications

Cable Assembly

Length* 36 in [914.4 mm]
Diameter 0.79 in [20.07 mm]

Cable

Cable Type FM-SR141TBJ
Impedance 50 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper Clad Steel, Silver
Dielectric Type PTFE
Number of Shields 1
Shield Layer 1 Tinned Copper Braid
Jacket Material FEP, Black
Jacket Diameter 0.161 in [4.09 mm]

One Time Minimum Bend Radius 0.315 in [8 mm]



Configuration:

- Snap-On BMA Jack
- N Male
- FM-SR141TBJ

Features:

- Max Frequency 11 GHz
- Shielding Effectivity > 100 dB
- 70% Phase Velocity
- FEP Jacket

Applications:

- General Purpose
- Laboratory Use
- Rack and Panel
- BMA Cable RF Backplanes
- Phased Array Interconnects
- High Speed Switching Networks
- Blind Mate BMA Test

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Repeated Minimum Bend Radius 1.575 in [40.01 mm]

Connectors

| Description | Connector 1 | Connector 2 |
|---------------------------------|------------------------|---------------|
| Type | BMA Jack | N Male |
| Impedance | 50 Ohms | 50 Ohms |
| Connection Method | Snap-On | |
| Contact Material & Plating | Beryllium Copper, Gold | Brass, Gold |
| Contact Plating Spec. | 51.18µ in. minimum | MIL-G-45204 |
| Dielectric Type | PTFE | PTFE |
| Outer Cond Material & Plating | Beryllium Copper, Gold | |
| Body Material & Plating | Stainless Steel, Gold | Brass, Gold |
| Body Plating Spec. | 19.68µ in. minimum | MIL-G-45204 |
| Coupling Nut Material & Plating | | Brass, Nickel |
| Coupling Nut Plating Spec. | | QQ-N-290 |

Mechanical Specification Notes:

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

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

Plotted and Other Data

Notes:

Typical Performance Data



How to Order

Part Number Configuration:

FMCA1627 - xx uu



Example: FMCA1627-12 = 12 inches long cable
 FMCA1627-100cm = 100 cm long cable

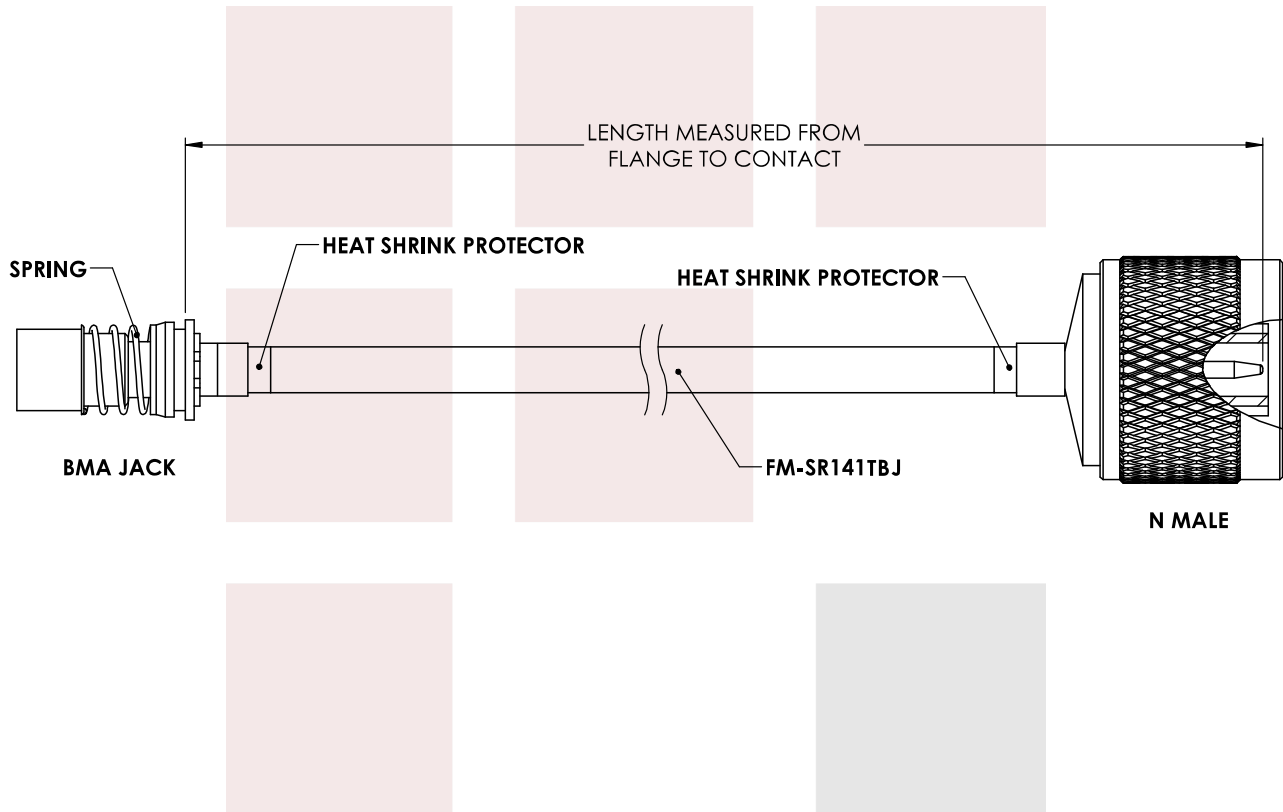
Snap-On BMA Jack to N Male Cable FM-SR141TBJ Coax in 36 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Snap-On BMA Jack to N Male Cable FM-SR141TBJ Coax in 36 Inch FMCA1627-36](#)

URL: <https://www.fairviewmicrowave.com/bma-jack-n-male-cable-fm-sr141tbj-coax-fmca1627-36-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. 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 any liability arising out of the use of any part or documentation.





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

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

| | | | | | |
|---|--|---|-------|--------------------|---------------|
| FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM | | 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]. | | | |
| TITLE Snap-On BMA Jack to N Male Cable FM-SR141TBJ Coax in 36 Inch | | DWG NO FMCA1627 | | CAGE CODE 3FKR5 | |
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