

Low PIM 7/16 DIN Male to 7/16 DIN Male Cable
1/2" Flexible Coax in 240 Inch and RoHS Compliant

High Performance Factory Assembled Corrugated Coaxial Cable Jumpers

Configuration

Connector 1	7/16 DIN Male
Connector 2	7/16 DIN Male
Cable Type	1/2" Flexible

Electrical Specifications

Frequency Range	DC to 2.7 GHz
Impedance	50 Ohms
Maximum VSWR	1.11:1
Velocity of Propagation	88 %
RF Shielding	120 dB
Peak Power	40 KWatts
Passive Intermodulation	-160 dBc

Typical Performance by Frequency

Description	F1	F2	F3	F4	F5
Frequency	900 MHz	1.8 GHz	2.2 GHz	2.7 GHz	
VSWR	1.07:1	1.09:1	1.09:1	1.11:1	
Insertion Loss	0	0.03	0.034	0.04	

Units: Return Loss is in dB; Insertion Loss is in dB/ft; Power Handling is in Watts

Mechanical Specifications

Temperature

Temperature Operating Range	-40 to +80 deg C
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Size

Length	240 in [609.6 cm]
Diameter	0.629 in [15.98 mm]
Cable Color	Black
One Time Minimum Bend Radius	2.75 in [69.85 mm]
Repeated Minimum Bend Radius	4.72 in [119.89 mm]

Cable

Description	Cable
Cable Type	1/2" Flexible
Inner Conductor Type	Solid
Cable Inner Conductor	Copper Clad Aluminum
No of Shields	1
Dielectric Type	PE (F)
Jacket Material	PE
Jacket Diameter	0.629 in [15.98 mm]



Features:

- Soldering Technology and connector design provides a very durable assembly with superior PIM and VSWR performance.
- Carefully selected assemblies provide the highest quality available on the market today.
- 100% electrical tested for PIM and VSWR ensuring optimum installed performance.
- Available in 1/2" Flexible and 1/2" Superflexible cables in any length, offering the best cable solution for the required performance and application.
- Injection molded boot for added strain relief and weather sealing ensuring long term durability.
- PE39802 1/2" Flexible cable assemblies are available in standard lengths of 36, 48, 72, 96, 120, 144, 168, 192, and 240 inches. Custom lengths available on request.

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Connectors

Description	Connector 1	Connector 2
Type	7/16 DIN Male	7/16 DIN Male
Configuration	Straight	Straight
Inner Conductor Material & Plating	Brass, Silver	Brass, Silver
Outer Conductor Material & Plating	Brass, Silver	Brass, Silver
Coupling Nut Material & Plating	Brass, Tri-Metal	Brass, Tri-Metal
Hex Size	32 mm	32 mm
Torque	18.417 ft-lbs [24.97 Nm]	18.417 ft-lbs [24.97 Nm]
Body Material & Plating	Brass, Silver	Brass, Silver
Dielectric Type	PTFE	PTFE

Compliance Certifications (visit www.FairviewMicrowave.com for current document)

Notes:

- Values at 25 °C, sea level

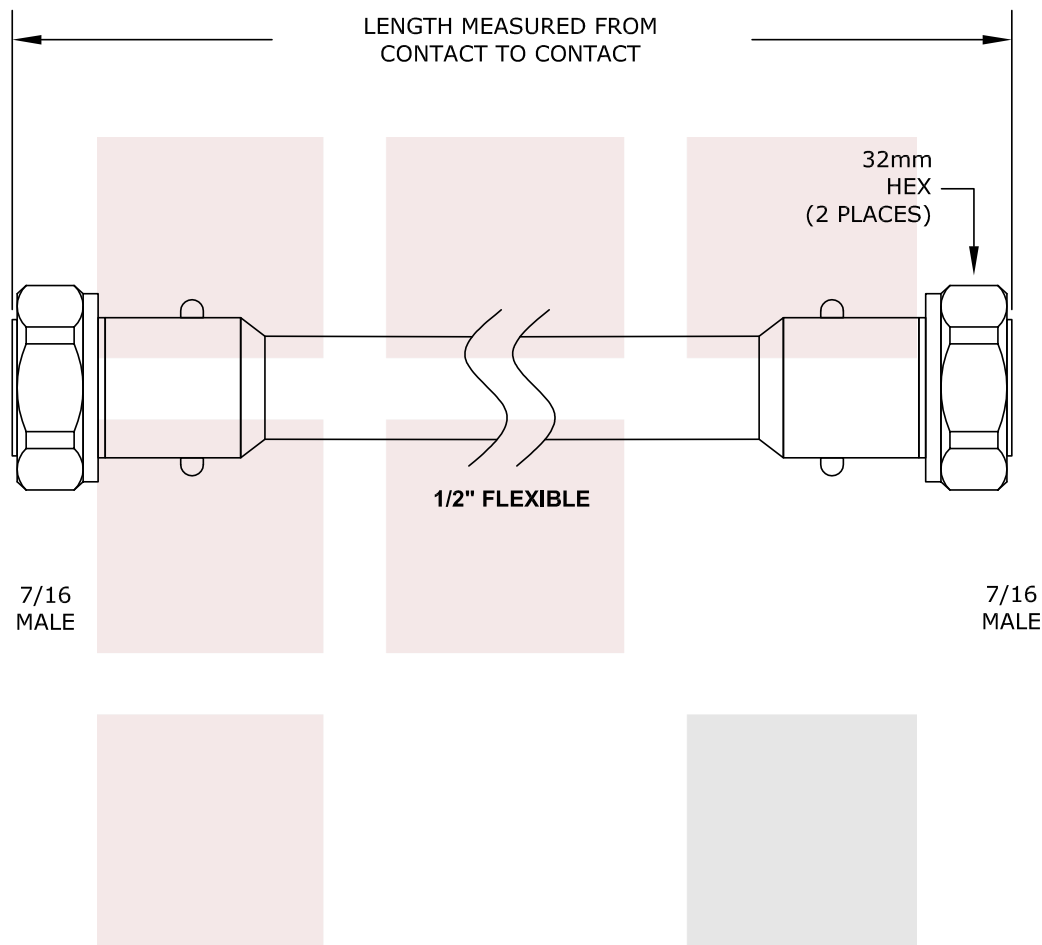
Power Data

Low PIM 7/16 DIN Male to 7/16 DIN Male Cable 1/2" Flexible Coax in 240 Inch and RoHS Compliant 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: [Low PIM 7/16 DIN Male to 7/16 DIN Male Cable 1/2" Flexible Coax in 240 Inch and RoHS Compliant FMC1515R01-240](#)

URL: <http://www.fairviewmicrowave.com/7-16-male-7-16-male-cable-1-2-flexible-coax-fmc1515r01-240-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.



How To Order		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
<div><div>Part Number Configuration</div><div>FMC zzzzzzz - <div>xx</div> <div>uu</div></div><div><div>cm = Centimeters</div><div>< Blank > = Inches</div><div>Length</div></div></div>		<div>Examples</div> <div>FMC000-100</div> <div>FMC000-100cm</div>			
		-12	12"	-25cm	25cm
		-24	24"	-50cm	50cm
		-36	36"	-75cm	75cm
		-48	48"	-100cm	100cm
		-60	60"	-125cm	125cm
		-xx	Custom Length	-xxcm	Custom Length
<div>FAIRVIEW MICROWAVE INC.</div> <div>ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM</div>		<div>NOTES:</div> <div>1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.</div> <div>2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.</div> <div>3. DIMENSIONS ARE IN INCHES [mm].</div>			
<div>TITLE</div> <div>Low PIM 7/16 DIN Male to 7/16 DIN Male Cable 1/2" Flexible Coax in 240 Inch and RoHS Compliant</div>		<div>DWG NO</div> <div>FMC1515R01</div>		<div>CAGE CODE</div> <div>3FKR5</div>	
		<div>CAD FILE</div> <div>092514</div>	<div>SHEET</div>	<div>SCALE</div> <div>N/A</div>	<div>SIZE</div> <div>A</div> <div>150</div>