

Low PIM 7/16 DIN Male to 7/16 DIN Female LSZH Jacketed Cable 0.141 Formable Low PIM Coax and RoHS Compliant

Fairview's Low PIM formable cable assemblies are constructed using high quality formable 0.141" and 0.250" tin filled braid coax. These low PIM cable assemblies offer excellent Passive Intermodulation performance of -160 dBc and are 100% RF and PIM tested at the time of production. Built with a Low Smoke Zero Halogen jacket these assemblies are optimized for in building requirements. There are 26 low PIM cable assembly configurations available including 4.1/9.5 Mini DIN, 7/16 DIN, Type N and SMA series in 100cm and 200cm standard legthts.

Electrical Specifications

Frequency Range	DC to 3 GHz
Impedance	50 Ohms
Max VSWR	1.15:1
Max Return Loss	23.13 dB
RF Shielding	-100 dB
Max Input Power	440 Watts
Passive Intermodulation	-160 dBc

Performance by Frequency

Description	F1	F2	F3	F4	F5
Frequency	500 MHz	1000 MHz	2 GHz	2.5 GHz	3 GHz
Insertion Loss (dB/ft)	0.083	0.125	0.183	0.21	0.229
(dB/m)	0.27	0.41	0.6	0.69	0.75
Power Handling	440 W	300 W	220 W	190 W	170 W

Mechanical Specifications

Temperature

Temperature Operating Range -55 to +125 deg C

Size

One Time Minimum Bend Radius 1.5 in [38.1 mm]

Cable

Description	Cable
Cable Type	0.141 Formable Low PIM
Cable Inner Conductor	Copper, Silver
Cable Outer Conductor	Copper, Tin
Dielectric Type	PTFE
Jacket Material	PVC LSZH
Jacket Diameter	0.163 in [4.14 mm]



Configuration:

- 7/16 DIN Male
- 7/16 DIN Female
- 0.141 Formable Low PIM

Features:

- 0.141" and 0.250" Formable Cable
- LSZH (Low Smoke Zero Halogen) PVC Jacket
- -160 dBc for Type N, 4.1/9.5 DIN, 7/16 DIN versions
- -150 dBc for SMA versions
- >-100 dB RF Shielding
- DC to 3 GHz and DC to 6 GHz configurations
- 100% PIM and RF tested

Applications:

- Communications Connectivity requirements
- Low PIM applications
- Test equipment and rack systems
- Low PIM Lab Testing

Fairview Microwave
1130 Junction Dr. #100
Allen, TX 75013
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Connectors

Description	Connector 1	Connector 2
Type	7/16 DIN Male	7/16 DIN Female
Configuration	Straight	Straight
Inner Conductor Material & Plating	Brass, Silver	Beryllium Copper, Silver
Coupling Nut Material & Plating	Brass, Tri-Metal	
Hex Size	1 1/4 inch	
Body Material & Plating	Brass, Silver	Brass, Silver
Dielectric Type	PTFE	PTFE

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

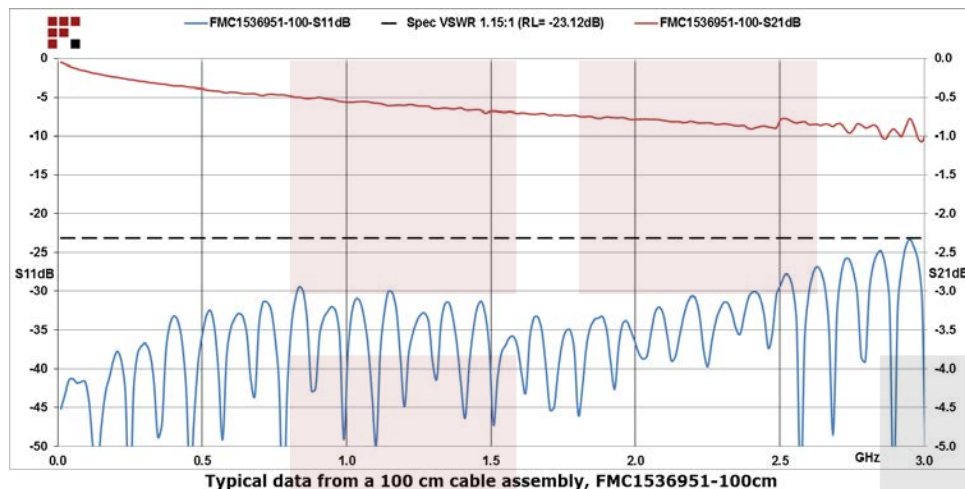
RoHS Compliant

Yes

Notes:

- Values at +25 °C, sea level

Typical Performance Data

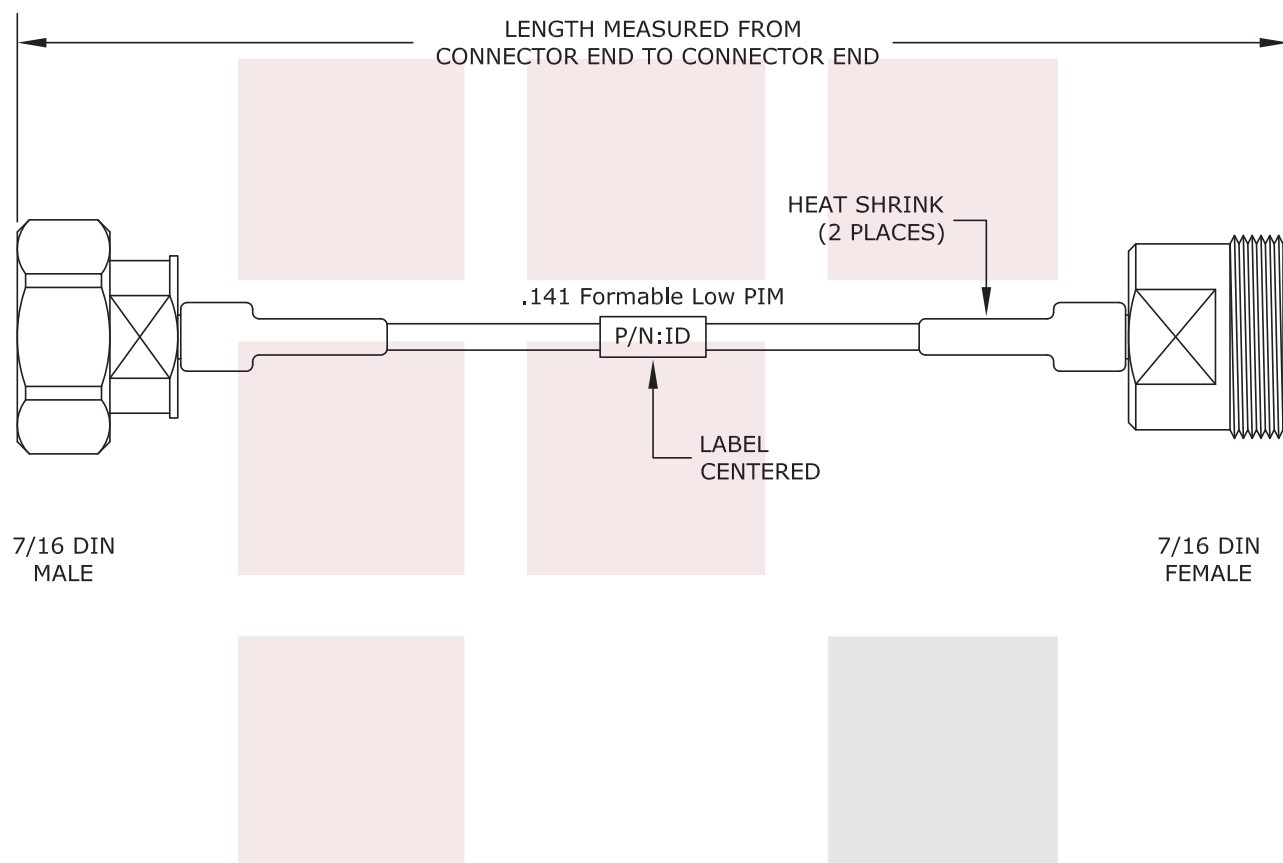


Low PIM 7/16 DIN Male to 7/16 DIN Female LSZH Jacketed Cable 0.141 Formable Low PIM Coax and RoHS Compliant from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Low PIM 7/16 DIN Male to 7/16 DIN Female LSZH Jacketed Cable 0.141 Formable Low PIM Coax and RoHS Compliant FMC1536951-XX](http://www.fairviewmicrowave.com/7-16-male-7-16-female-cable-0.141-formable-low-pim-coax-fmc1536951-xx-p.aspx)

URL: <http://www.fairviewmicrowave.com/7-16-male-7-16-female-cable-0.141-formable-low-pim-coax-fmc1536951-xx-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.



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TITLE Low PIM 7/16 DIN Male to 7/16 DIN Female LSZH Jacketed Cable 0.141 Formable Low PIM Coax and RoHS Compliant		DWG NO FMC1536951		CAGE CODE 3FKR5	
CAD FILE	120314	SHEET	SCALE	N/A	SIZE A 2233