

LL335i Low Loss Flexible Coax Cable Green FEP Jacket

LL335i low loss coaxial cable with flat strip foil braid is part of our full line of RF components available for same-day shipping from Fairview Microwave. The LL335i coaxial cable features a low loss dielectric with an 83% velocity of propagation (VoP). These low loss coax features combine to make Fairview Microwave's cable well suited for applications that require a high-performance RF cable. Applications for coax with low loss include long cable lengths where the attenuation from standard solid dielectric coax would impact system performance.

The 0.300 inch diameter coax has a durable FEP outer jacket that makes this cable appropriate for a wide range of indoor or outdoor applications. The flat foil braid provides superior shielding and the expanded PTFE dielectric contributes to the lower attenuation and improves the power handling of this coax cable.

Our datasheet specifications and drawing with dimensions for the LL335i coax cable are shown below in this PDF. In addition to bulk RF cable, Fairview Microwave offers cable assemblies using LL335i with a wide selection of connector options available. See our web site to find the right connector cable combination for your application.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
Structural VSWR		1.35:1		
Velocity of Propagation		83		%
Nominal Capacitance		25		pF/ft
		[82.02]		[pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.4	1	2	2.4	3	GHz
Attenuation, Max	3.2	5.1	7.3	8	9	dB/100ft
	10.5	16.73	23.95	26.25	29.53	dB/100m
Attenuation, Typ	2.9	4.6	6.6	7.3	8.2	dB/100ft
	9.51	15.09	21.65	23.95	26.9	dB/100m
Power In (CW), Max	2,750	1,700			950	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	5	10	18			GHz
Attenuation, Max	11.9	17.4	24.1			dB/100ft
	39.04	57.09	79.07			dB/100m
Attenuation, Typ	10.8	15.8	21.9			dB/100ft
	35.43	51.84	71.85			dB/100m



Configuration:

- Low Loss Flexible Cable
- 3 Shield(s)

Features:

- Low Loss dielectric 83% VoP
- Phase stable Expanded PTFE dielectric
- Double Shielded with metalized polyimide interlayer
- Shielding >95dB
- FEP Jacket

Applications:

- Low Loss system cables
- Rugged environments
- Test systems with long cable runs
- ATE, Automated Test Equipment
- Antenna Jumpers

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Power In (CW), Max	730	500	345	Watts
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Electrical Specification Notes:
 Power handling derates linearly to 0% from +25°C to +250°C.

Mechanical Specifications

Diameter	0.3 in [7.62 mm]
Weight	0.077 lbs/ft [0.11 kg/m]
Min. Bend Radius (Repeated)	1.5 in [38.1 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 1 Strands	0.089 in [2.26 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.25 in [6.35 mm]
First Shield	Silver Plated Copper Tape 90% min. coverage	0.255 in [6.48 mm]
Second Shield	Aluminum Polyester	0.261 in [6.63 mm]
Third Shield	Silver Plated Copper Wire 90% min. coverage	0.277 in [7.04 mm]
Jacket	FEP, Green	0.3 in [7.62 mm]

Environmental Specifications

Temperature	
Operating Range	-55 to +200 deg C

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

Plotted and Other Data

Notes:

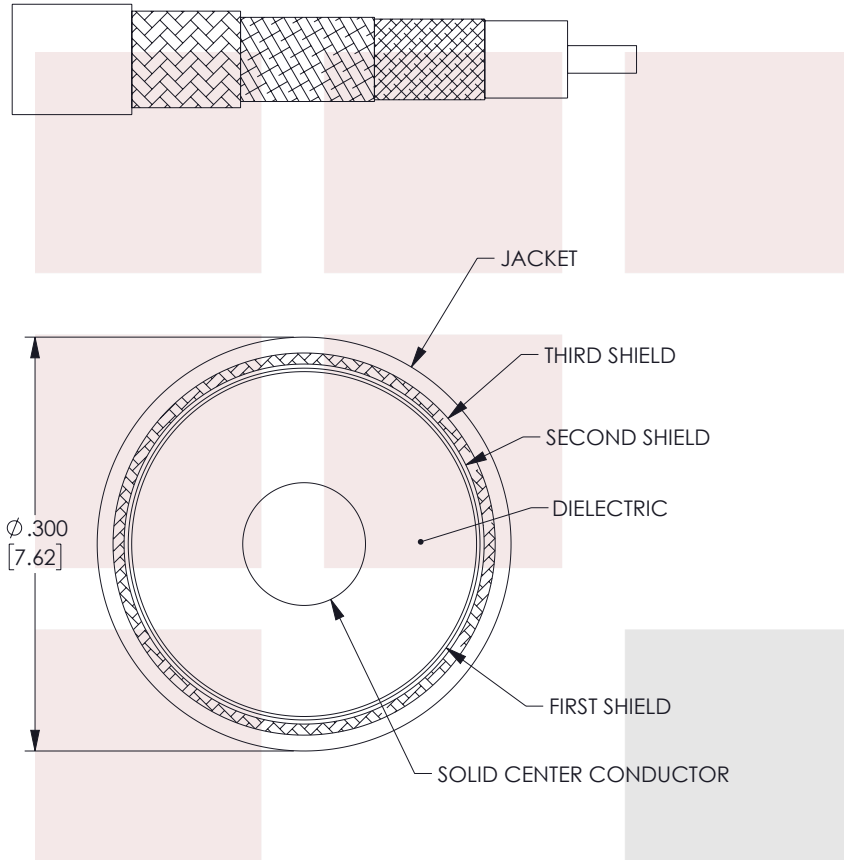
LL335i Low Loss Flexible Coax Cable Green FEP Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [LL335i Low Loss Flexible Coax Cable Green FEP Jacket LL335I-BULK](#)

URL: <https://www.fairviewmicrowave.com/ll335i-low-loss-flexible-coax-cable-fep-jacket-ll335i-bulk-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.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	03/24/2022	AGANWANI



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TITLE

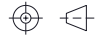
LL335i Low Loss Flexible Coax Cable Green FEP Jacket

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

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = ±.2 [5.08]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0
.XX = ±.02 [.51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX = ±.005 [.13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
		300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE

N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY DZINN	ITEM NO. LL335I-BULK	REV A
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