LCFS114-50JA-A0

1-1/4" CELLFLEX® Premium Attenuation Low-Loss Foam-Dielectric Coaxial Cable

Product Description

CELLFLEX®1-1/4" premium attenuation low loss flexible cable

Application: Main feed line



1-1/4" CELLFLEX® Low-Loss Foam Dielectric Coaxial Cable

Attenuation

[dB/100m [dB/100ft]

0.0170

0.055

Power

[kW]

176

Frequency

[MHz]

0.5

Features/Benefits

Ultra Low Attenuation

The further reduced attenuation of CELLFLEX® premium attenuation coaxial cable results in extremly efficient signal transfer in your RF system, especially at high frequencies.

Complete Shielding

The solid outer conductor of CELLFLEX® coaxial cable creates a continuous RFI/EMI shield that minimizes system interference.

Low VSWR

Special low VSWR versions of CELLFLEX® coaxial cables contribute to low system noise. **Outstanding Intermodulation Performance**

- CELLFLEX® coaxial cable?s solid inner and outer conductors virtually eliminate intermods. Intermodulation performance is also confirmed with state-of-the-art equipment at the RFS factory.
- **High Power Rating**

Due to their low attenuation, outstanding heat transfer properties and temperature stabilized dielectric materials, CELLFLEX® cable provides safe long term operating life at high transmit power levels.

Wide Range of Application

Typical areas of application are: feedlines for broadcast and terrestrial microwave antennas, wireless cellular, PCS and ESMR base stations, cabling of antenna arrays, and radio equipment interconnects.

Technical Features

ו)]	13.1 (0.52)
ו)]	32.7 (1.29)
ו)]	35.9 (1.41)
ו)]	39 (1.54)
lb/ft)]	0.86 (0.58)
ו)]	200 (8)
ו)]	380 (15)
-ft)]	43 (32)
	2490 (560)
	1 / 1.2 (3.25 / 4)
	50 +/- 1
	89
pF/ft)]	75 (22.9)
(µH/ft)]	0.188 (0.057)
	3.6
	10000
	176
	4200
(Ω/1000ft)]	0.83 (0.25)
Ω/1000ft)]	0.73 (0.22)
	(Ω/1000ft)]

1.0	0.0790	0.0241	139
1.5	0.0969	0.0295	113
2.0	0.112	0.0341	98.2
10	0.252	0.0768	43.6
20	0.358	0.109	30.7
30	0.440	0.134	25.0
50	0.572	0.174	19.2
88	0.765	0.233	14.4
100	0.817	0.249	13.5
108	0.851	0.259	12.9
150	1.01	0.308	10.9
174	1.09	0.332	10.1
200	1.17	0.358	9.40
300	1.45	0.443	7.58
400	1.69	0.517	6.50
450	1.81	0.550	6.07
500	1.91	0.582	5.76
512	1.94	0.590	5.67
600	2.11	0.643	5.21
700	2.29	0.699	4.80
750	2.38	0.726	4.62
800	2.47	0.752	4.45
824	2.51	0.764	4.38
894	2.62	0.799	4.20
900	2.63	0.802	4.18
925	2.67	0.815	4.12
960	2.73	0.831	4.03
1000	2.79	0.850	3.94
1250	3.16	0.963	3.48
1400	3.37	1.03	3.26
1500	3.50	1.07	3.14
1900	4.0	1.22	2.75
2000	4.12	1.26	2.67
2100	4.24	1.29	2.59
2200	4.35	1.33	2.53
2500	4.69	1.43	2.34
2600	4.80	1.46	2.29
2700	4.90	1.49	2.24
3000	5.21	1.59	2.11
3300	5.51	1.68	2.00
3600	5.80	1.77	1.90
3700	5.90	1.80	1.86
3800	5.99	1.83	1.84

Attenuation at 20°C (68°F) cable temperature Mean power rating at 40°C (104°F) ambient temperature

information contained in the present datasheet is subject to confirmation at time of ordering

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Storage temperature

Installation temperature

Operation temperature

VSWR Performance:

Other Options:

Other Characteristics Fire Performance:

RFS The Clear Choice ®

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[°C (°F)]

[°C (°F)]

[°C (°F)

24 (1.135)

Phase stabilized and phase matched cables and assemblies are available upon request.

-70 to 85 (-94 to 185) -40 to 60 (-40 to 140)

-50 to 85 (-58 to 185)

Halogene Free

Standard