

L-com CA-400UF Ultra Flex Coax Cable, By The Foot



CA-400UF-FOOT

Configuration

- Low Loss Ultra Flex Cable
- 2 Shield(s)

Features

- 50 Ohms low-loss cable
- Ultra-flex (UF) design
- Foam PE dielectric
- Dual shielding
- Durable black TPE outer jacket
- Low attenuation

Applications

- RF antenna feeder cable
- Cellular network infrastructure
- Wi-Fi, WLAN, and wireless broadband communication systems
- Distributed Antenna Systems (DAS)
- RF communication equipment
- Satellite communication (SATCOM) systems
- Test and measurement equipment
- Industrial and commercial wireless communication networks

Description

L-com's CA-400UF-FOOT Ultra Flex coax cable is ideal for indoor or outdoor applications that require maximum flexibility due to curves, bends, and twists. CA-400UF-FOOT is a 50 Ω ultra-flexible, low-loss coaxial RF cable designed for radio frequency signal transmission. It is commonly used in cellular systems, Wi-Fi, antenna feeders, repeater systems, and other RF communication applications. The CA-400UF-FOOT low-loss cable is a high-performance alternative to Times Microwave LMR-400UF and TerraWave TWS-400UF.

L-com's CA-400UF-FOOT coax cables are part of over 40,000 RF, microwave, and millimeter wave components. CA-400UF-FOOT cables and our other RF parts are available for same-day shipping worldwide. Custom RF cable assemblies using CA-400UF-FOOT or other coax can be built and shipped the same day as well.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Impedance		50		Ohms
Velocity of Propagation		85		%
Shielding Effectiveness	90			dB
Dielectric Withstanding Voltage (DC)			2,500	Vdc
Nominal Capacitance		23.9 [78.41]		pF/ft [pF/m]
Input Power (Peak)			16	kWatts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	30	50	150	220	450	MHz
Attenuation, Typ	0.92	1.21	1.838	2.24	3.371	dB/100ft
	3.02	3.97	6.03	7.35	11.06	dB/100m

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Description	F6	F7	F8	F9	F10	Units
Frequency	0.9	1.5	1.8	2.5	5.8	GHz
Attenuation, Typ	4.791	6.325	6.94	8.263	13.253	dB/100ft
	15.72	20.75	22.77	27.11	43.48	dB/100m

Mechanical Specifications

Diameter	0.405 in [10.29 mm]
Weight	0.088 lbs/ft [0.13 kg/m]
Min. Bend Radius (Installation)	1 in [25.4 mm]
Min. Bend Radius (Repeated)	4 in [101.6 mm]
Tensile Strength	163.2 lbs [74.03 kg]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Strand	0.108 in [2.74 mm]
Dielectric	Foam PE	0.285 in [7.24 mm]
First Shield	Aluminum Foil	0.29 in [7.37 mm]
Second Shield	Tinned Copper Braid	0.32 in [8.13 mm]
Jacket	TPE, Black	0.405 in [10.29 mm]

Environmental Specifications

Temperature	
Operating Range	-40 to +85 deg C
Storage Range	-55 to +85 deg C

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

Plotted and Other Data

Notes:

L-com CA-400UF Ultra Flex Coax Cable, By The Foot from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

URL: <https://www.l-com.com/coaxial-l-com-ca-400uf-ultra-flex-coax-cable-by-the-foot>

The information contained within 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. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

CA-400UF-FOOT CAD Drawing
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