Low Loss Superflexible Corrugated SPO-500 Outdoor Rated Coax Cable with Black PE Jacket, By The Foot

SPO-500-LC

Configuration

- Low Loss Corrugated Cable
- 1 Shield(s)

Features

- PIM < -160 dBc
- Lightweight and Super Flexible
- Low Loss Dielectric 83% VoP
- Shielding > 100 dB
- Durable Black Polyethylene Outer Jacket
- Outdoor Rated
- Antenna Jumpers

Applications

- Distributed Antenna Systems (DAS)
- Antenna Installations
- Small Cell
- Outdoor Applications
- Commination Tower Install

Description

SPO-500-LC coax cable from L-com is one of several radio frequency coaxial cable types specifically stocked to be ready for quick shipment. Times Microwave SPO-500-LC coax cable, available at L-com, is manufactured in a helically corrugated, superflexible design and has a 50 Ohm impedance. This low loss corrugated coax cable SPO-500-LC is constructed with a 0.435 inch diameter and the BK PE jacket makes this cable perfect for outdoor applications.

SPO-500-LC corrugated 50 Ohm coax cable with PE jacket is rated for a 6 GHz maximum operating frequency. This coaxial cable is built with a Copper outer conductor and RF shielding of 100 dB. L-com SPO-500-LC coax is constructed with Foam PE dielectric and a maximum operating temperature of 85 degrees C. Times Microwave SPO-500-LC coax cable specs for this wire can be found on its RF coax cable SPO-500-LC datasheet.

SPO-500-LC cable is part of more than one million RF and microwave parts in stock at L-com. This Times Microwave low loss SPO-500-LC coax cable is ready to buy and can be shipped worldwide. L-com also maintains a wide selection of other radio frequency coaxial cable products that ship same-day from our warehouse as with the rest of our other RF/microwave components.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Impedance		50		Ohms
Velocity of Propagation		83		%
Shielding Effectiveness	100			dB
Nominal Capacitance		24 [78.74]		pF/ft [pF/m]

Low Loss Superflexible Corrugated SPO-500 Outdoor Rated Coax Cable with Black PE Jacket, By The Foot

SPO-500-LC

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2	6		GHz
Attenuation, Typ	2.43	3.51	5.12	9.6		dB/100ft
	7.97	11.52	16.8	31.5		dB/100m
Input Power (CW), Max	1,260	900	610	260		Watts

Mechanical Specifications

Diameter	0.53 in 13.46 mm
Weight	0.121 lbs/ft [0.18 kg/m]
Min. Bend Radius (Installation)	2.25 in [57.15 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Aluminum , 1 Strands Strand(s)	0.14in 3.56mm
Conductor Type	Solid	
Dielectric	Foam PE	0.35in 8.89mm
Outer Conductor	Copper	0.48 in 12.19 mm
	Corrugated	
Jacket	PE, Black	0.53in 13.46mm

Environmental Specifications

Temperature

Operating Range	-40deg C to +85deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Low Loss Superflexible Corrugated SPO-500 Outdoor Rated Coax Cable with Black PE Jacket, 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,

Low Loss Superflexible Corrugated SPO-500 Outdoor Rated Coax Cable with Black PE Jacket, By The Foot

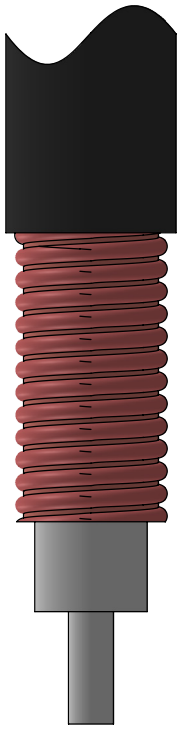
SPO-500-LC

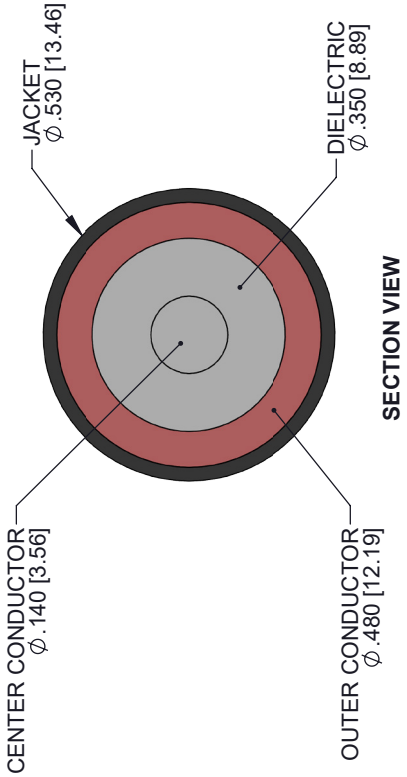
passive, and active components.

L-com CAD Drawing

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	9/29/2021	SRAUTUS





SECTION VIEW

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

TOLERANCES:

X = ± .2 [5.08] | FRACTIONS ± 1/32
XX = ± .02 [.51] | ANGLES ± 1°
.XXX = ± .005 [.13]

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

L-com™
an INFINITE brand
50 High Street, West Mill, 3rd Floor, Suite #30
North Andover, MA 01845 USA.
Phone: 1.800.341.5266 | 1.978.682.6936
Fax: 1.978.689.9484
Website: www.L-com.com
E-mail: CustomerService@L-com.com

THIRD-ANGLE PROJECTION

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DMAY	SPO-500-LC	A

SHEET 1 OF 1
SCALE N/A

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

T-Rev.D