

Low Loss Superflexible Corrugated SPP-250-LLPL Plenum Rated Coax Cable with Blue FEP Jacket, By The Foot



SPP-250-LLPL-LC

Configuration

- Low Loss, Plenum Corrugated Cable
- 1 Shield(s)

Features

- PIM < -160 dBc
- UL910 Plenum Rated Cable
- Lightweight and Extremely Flexible
- Low Loss
- Great Shielding >100 dB
- UV Resistant Jacket

Applications

- Distributed Antenna Systems (DAS)
- Plenum Installations
- Small Cells
- Multi-Carrier Communication Systems
- PIM Testing

Description

SPP-250-LLPL-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 SPP-250-LLPL-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 SPP-250-LLPL-LC is constructed with a 0.28 inch diameter and BL FEP jacket. The FEP makes this cable type perfect for CMP plenum rated applications.

SPP-250-LLPL-LC corrugated 50 Ohm coax cable with FEP jacket is rated for a 5.8 GHz maximum operating frequency. This coaxial cable is built with a Copper outer conductor and RF shielding of 100 dB. L-com SPP-250-LLPL-LC coax is constructed with PTFE dielectric and a maximum operating temperature of 200 degrees C. Times Microwave SPP-250-LLPL-LC coax cable specs for this wire can be found on its RF coax cable SPP-250-LLPL-LC datasheet.

SPP-250-LLPL-LC cable is part of more than one million RF and microwave parts in stock at L-com. This Times Microwave low loss SPP-250-LLPL-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		5.8	GHz
Impedance		50		Ohms
Velocity of Propagation		76		%
Shielding Effectiveness	100			dB
Nominal Capacitance		27 [88.58]		pF/ft [pF/m]
Nominal Inductance		0.067 [0.22]		uH/ft [uH/m]

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Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.45	1.9	2.3	4.9	5.8	GHz
Attenuation, Typ	3.8	8.1	9	13.5	14.8	dB/100ft
	12.47	26.57	29.53	44.29	48.56	dB/100m
Input Power (CW), Max	1,010	470	430	280	260	Watts

Mechanical Specifications

Diameter	0.28 in 7.11 mm
Weight	0.072 lbs/ft [0.11 kg/m]
Min. Bend Radius (Installation)	1.25 in [31.75 mm]
Bending Moment	0.8 lbs-ft [1.08 N-m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper , 1 Strands Strand(s)	0.068in 1.73mm
Conductor Type	Solid	
Dielectric	PTFE	0.19in 4.83mm
Outer Conductor	Copper	0.25 in 6.35 mm
	Corrugated	
Jacket	FEP, Blue	0.28in 7.11mm

Environmental Specifications

Temperature	
Operating Range	-55deg C to +200deg C

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

Plotted and Other Data

Low Loss Superflexible Corrugated SPP-250-LLPL Plenum Rated Coax Cable with Blue FEP 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,

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amplifiers, passive, and active components.

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.

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L-com CAD Drawing

