

LPA-500-LLPL

1/2" Plenum RF Cable

1/2" Air-Dielectric Corrugated Plenum Cable is a low-loss, plenum listed (type CMP) coaxial cable. This design offers excellent intermodulation performance, and can be used as feedlines within buildings to support distributed antenna systems (DAS).

Mechanical Properties

	Measurement	
Weight	kg/m (lb/ft)	0.243 (0.163)
Minimum Bend Radius	mm (in)	127 (5)
Operating Temperature	°C (°F)	-40° to 75°(-40 to 167)
Tensile Strength	N (lb)	1112 (250)
Bending Moment	N-m (ft lb)	6.8 (5.0)
Flat Plate Crush	kg/mm (lb/in)	1.9 (110)
Storage Temp	°C (°F)	-20 to 85 (-4 to 185)

Electrical Properties

	Measurement	
Impedance	Ω	50 +/- 2
Maximum Frequency	GHz	6.0
Capacitance	pF/m (pF/ft)	76 (23.2)
Velocity of Propagation	%	86%
Delay	ns/m (ns/ft)	76 (3)
Shielding	dB	>120
Voltage Withstand	Volts	2000
Jacket Spark	Volt RMS	8000
DC Resistance Inner	Ω /1000 m (Ω/1000ft)	1.48(0.45)
DC Resistance Outer	Ω /1000 m (Ω/1000ft)	2.4(0.73)
Peak Power	kW	36.0

FEATURES

- Listed Type CMP Plenum Cable
- Supports Multiple RF Signals
- Complete Shielding
- Outstanding Intermodulation Performance
- Wide Range of Applications.

BENEFITS

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

The solid inner and outer conductors eliminate PIM when used with Times Connectors.

KEY APPLICATIONS

- In Building DAS Systems
- Public Safety Communications Systems
- RF backbone interconnects within Plenum Airspaces



Heritage—in the air and on the ground, thousands of assemblies built over decades



Global manufacturing capability: US, Mexico, India & China



1/2" air dielectric cable, tested to provide assured performance.

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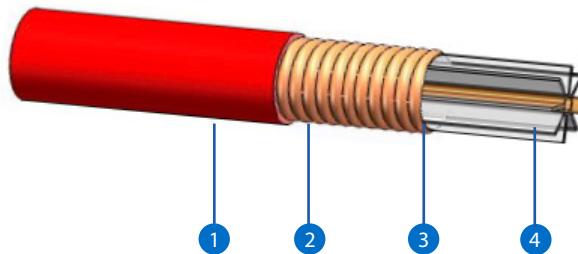
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AVAILABLE CONNECTORS

P/N	Interface	Description
3190-6344	N-Male	EZ-LP500-NMC-LP
3190-6857	N-Male-RA	EZ-LP500-NMC-RA-LP
3190-6346	4.3-10 Male	EZ-LP500-4310MC-LP
3190-6856	NEX10-Male	EZ-LP500-NX10MC-LP

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|---|------------------|----------------------|
| 1 | Jacket | RED FR-PVC |
| 2 | Outer Conductor | Corrugated Copper |
| 3 | Dielectric | Polyethylene |
| 4 | Center Conductor | Copper Clad Aluminum |



Attenuation	dB/100ft	dB/100m
150 MHz	0.82	2.70
450 MHz	1.48	4.84
700 MHz	1.88	6.16
900 MHz	2.19	7.20
1800 MHz	3.20	10.50
2400 MHz	3.75	12.30
5500MHz	6.23	20.40

WORLD HEADQUARTERS
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