

LMR®-500-LLPX Flexible Low Loss Plenum Coax

Ideal for...

- Indoor/Outdoor Plenum Feeder runs
- UL/NEC/CSA rated CMP/FT6
- Any wireless application (e.g. LMDS, MMDS, WLL, GPS, LMR, WLAN, WISP, WiMax, SCADA, Cellular, PCS, Paging) requiring an easily routed, low loss RF cable for in-building systems

Part Description						
Part Number	Application	Jacket	Color	Code		
LMR-500-LLPX	Indoor/Outdoor Plenu	m Fluoropolyme	r Red	54460		
	CMP/FT6					

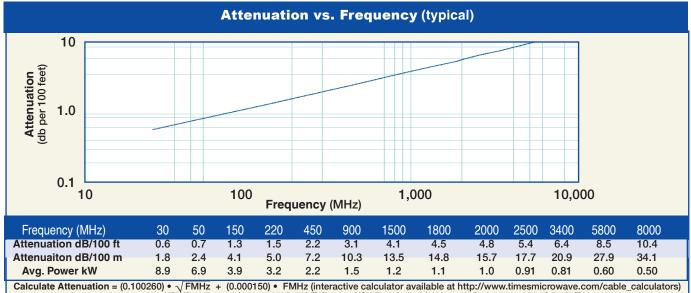
Electrical Specifications									
Performance Property	Units	US	(metric)						
Velocity of Propagation	%	76							
Dielectric Constant	NA	1.73							
Time Delay	nS/ft (nS/m)	1.34	(4.40)						
Impedance	ohms	50							
Capacitance	pF/ft (pF/m)	26.7	(87.6)						
Inductance	uH/ft (uH/m)	0.067	(0.22)						
Shielding Effectiveness	dB	>90							
DC Resistance									
Inner Conductor	ohms/1000ft (/km)	1.09	(3.6)						
Outer Conductor	ohms/1000ft (/km)	1.27	(4.2)						
Voltage Withstand	Volts DC	3000							
Jacket Spark	Volts RMS	8000							
Peak Power	kW	11.6							

Construction Specifications								
Description	In.	(mm)						
Inner Conductor	Solid BCCAI	0.121	(3.07)					
Dielectric	Low density PTFE	0.370	(9.40)					
Outer Conductor	Aluminum Tape	0.376	(9.55)					
Overall Braid	Tinned Copper	0.405	(10.29)					
Jacket	Red Fluoropolymer	.465	(11.81)					

LMR-500 LLPX

Mechanical Specifications								
Performance Property	Units	US	(metric)					
Bend Radius: installation	in. (mm)	1.25	(31.8)					
Bend Radius: repeated	in. (mm)	5.0	(127.0)					
Weight	lb/ft (kg/m)	0.170	(0.25)					
Tensile Strength	lb (kg)	195	(88.5)					
Flat Plate Crush	lb/in. (kg/mm)	200	(3.57)					

Environmental Specifications								
Performance Property	۴F	°C						
Installation Temperature Range	-40/+257	-40/+125						
Storage Temperature Range	-40/+257	-40/+125						
Operating Temperature Range	-40/+257	-40/+125						





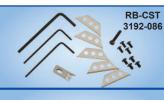


Connectors		Part	Stock VSWR**Coupling		Inner	Outer Contact	Finish* Body	14	Length		Width		Weight		
Interface	Description	Number	Code	Freq. (Attach		/Pin	in	(mm)		(mm)		(g)
1. N Male	Straight Plug	TC-500-NMH-X	3190-2514	<1.35:1	(6)	Hex/Knurl	Solder	Crimp	A/G	1.8	(45)	0.87	(22.0)	0.099	(45.0)
2. N Male	Right Angle	TC-500-NMH-RA-D	3190-2513	<1.25:1	(6)	Hex/Knurl	Solder	Crimp	A/G	1.5	(39)	1.6	(42.0)	0.279	(127.0
3. N Male	Straight Plug	TC-500-NMC-PL	3190-900	<1.25:1	(2.5)	Hex	Solder	Clamp	S/G	2.1	(53)	0.92	(23.4)	0.228	(103.4
	* Finish metals	:: N=Nickel, S=Silver, 0	G=Gold, SS=S	Stainless St	teel, A	=Alballoy **VS	SWR spec	based on	3 foot cabl	e wit	h a conr	nector	pair		













Install Tools

	Туре	Part Number	Stock Code	Description	
Γ	Crimp Tool	CT-U	3192-181	Crimp Handle (Dies Required)	Ī
١	Crimp Tool	CT-500	3192-169	Crimp tool for LMR-500 connectors	
ľ	Crimp Dies	Y151	3190-465	.532" Hex Dies	
ı	Deburr Tool	DBT-U	3192-001	Removes center conductor rough edges	
I	Cutting Tool	CCT-02	3192-165	Cable end flush cut tool	
ı	Strip Tool	CST-500	3192-075	Combination prep tool for LMR-500	
	Replacement Blac	de Kit RB-CST	3192-086	Replacement blade kit for all CST strip	