

LMR®-400-LLPX Flexible Low Loss Plenum Coax

Ideal for...

- Indoor/Outdoor Plenum Feeder runs
- UL/NEC/CSA rated CMP/FT6 (listed under UL file #E-170516)
- 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	Stock Code		
LMR-400-LLPX	Indoor/Outdoor Plenum Flue CMP/FT6	oropolymer	Red	54470		

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

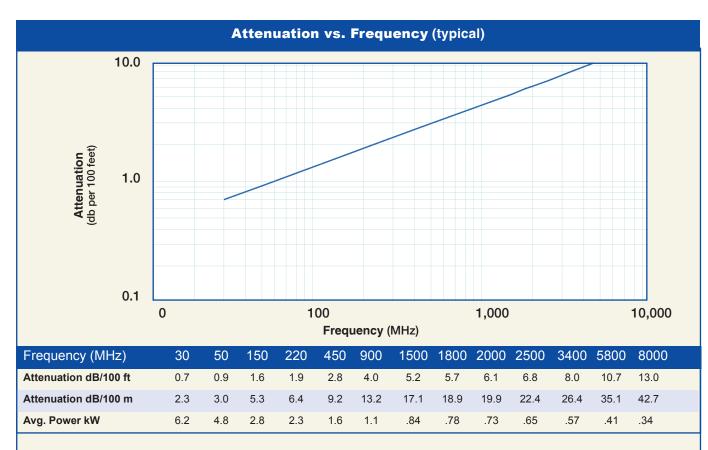
Construction Specifications								
Description	Material	In.	(mm)					
Inner Conductor	Solid BCCAI	0.095	(2.41)					
Dielectric	Low density PTFE	0.285	(7.24)					
Outer Conductor	Aluminum Tape	0.291	(7.39)					
Overall Braid	Tinned Copper	0.320	(8.13)					
Jacket	Red Fluoropolymer	0.370	(9.40)					

LMR-400 LLPX

Mechanical Specifications								
Performance Property	Units	US	(metric)					
Bend Radius: installation	in. (mm)	1.85	(47.0)					
Bend Radius: repeated	in. (mm)	4.0	(101.6)					
Bending Moment	ft-lb (N-m)	0.5	(0.68)					
Weight	lb/ft (kg/m)	.104	(0.15)					
Tensile Strength	lb (kg)	120	(54.5)					
Flat Plate Crush	lb/in. (kg/mm)	185	(3.31)					

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)	1.8	(5.9)					
Outer Conductor	ohms/1000ft (/km)	1.65	(5.4)					
Voltage Withstand	Volts DC	2500						
Jacket Spark	Volts RMS	8000						
Peak Power	kW	16						





TIMES MICROWAVE

Calculate Attenuation =

(0.129140) • √ FMHz + (0.000150) • FMHz (interactive calculator available at http://www.timesmicrowave.com/cable_calculators) Attenuation:

VSWR=1.0; Ambient = +25°C (77°F)

Power:

VSWR=1.0; Ambient = +40°C; Jacket = +75°C (167°F); Sea Level; dry air; atmospheric pressure; no solar loading

TIMES MICROWAVE SYSTEMS

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Connect	tors Description	Part Number	Stock Code	VSV Freq.	VR** (GHz)	Coupling Nut			Finish* Body /Pin	Le in	ength (mm)	Wi in	dth (mm)	We lb	eight (g)
1. N Female	Straight Jack	TC-400-NF-PL	3190-964	<1.25:1	(2.5)	NA	Solder	Crimp	N/G	1.8	(45)	0.66	(16.8)	0.105	(47.6)
2. N Male	Straight Plug	EZ-400-NMH-PL-X	3190-2961	<1.25:1	(2.5)	Hex/Knurl	Spring Finge	r Crimp	A/G	1.5	(38)	0.89	(22.6)	0.113	(51.3)
3. N Male	Straight Plug	TC-400-NMH-PL	3190-2962	<1.25:1	(2.5)	Hex/Knurl	Solder	Crimp	S/G	1.5	(38)	0.89	(22.6)	0.113	(51.3)
4. TNC Male	Right Angle	TC-400-TM-RA-D	3190-2671	<1.35:1	(6)	Hex/Knurl	Solder	Crimp	A/G	1.2	(30)	1.48	(37.6)	0.110	(50.0)
	* Finish meta	ls: N=Nickel, S=Silv	er, G=Gold,	SS=Stair	less S	teel, A=Alba	alloy **VSW	R spec ba	ased on 3	foot c	able wi	th a co	nnecto	r pair	



Hardware Accessories

Туре	Part Number	Stock Code	Description
Ground Kit	GK-S400TT	GK-S400TT	Standard Grounding Kit (each)
Hoisting Grip	HG-400T	HG-400T	Laced Type (each)
Weather Seal Boots	WSB-400	3109-394	Weather seal/strain relief boots (10pk) for use with most popular
			LMR-400-X series connectors





Install Tools

Туре	Part Number	Stock Code	Description
Crimp Tool	CT-U	3192-181	Crimp Handle
Crimp Dies	Y1719	3190-202	.429" Hex Dies
Crimp Tool	CT-400/300	3190-666	Crimp tool for LMR 400 connectors
Crimp Rings	CR-400	3190-830	Crimp rings for TC/EZ-400 connectors (package of 10)
Strip Tool	CST-400	3192-004	Combination prep tool for LMR-400 crimp and clamp connectors
Mid-Span Strip Tool	GST-400	3190-2174	For ground strap attachment
Deburr Tool	DBT-U	3192-001	Removes center conductor rough edges
Cutting Tool	CCT-02	3192-165	Cable end flush cut tool
Replacement Blade	RB-02	3192-166	Replacement blade for cutting tool
Replacement Blade Kit	RB-CST	3192-086	Replacement kit for all CST strip tools
Tool Kit	TK-400EZ	3190-1601	Tool kit for LMR-400 crimp/clamp connectors (includes CCT-02, CST-400, CT-400/300, Tool Pouch)