

LMR®-1200 Flexible Low Loss Communications Coax

Ideal for...

- Medium Antenna Feeder runs
- Jumper Assemblies for 1-5/8" & 2-1/4" Feeders
- Building-Top Sites
- Any application (e.g. WLL, GPS, LMR, WLAN, WISP, WiMax, SCADA, Mobile Antennas) requiring an easily routed, low loss RF cable

	Part Descri	ption		Stock
Part Numbe	r Application	Jacket	Color	Code
LMR-1200-DB	Outdoor/Watertight	PE	Black	54095
LMR-1200-FR	Indoor/Outdoor Riser CMR	RFRPE	Black	54034

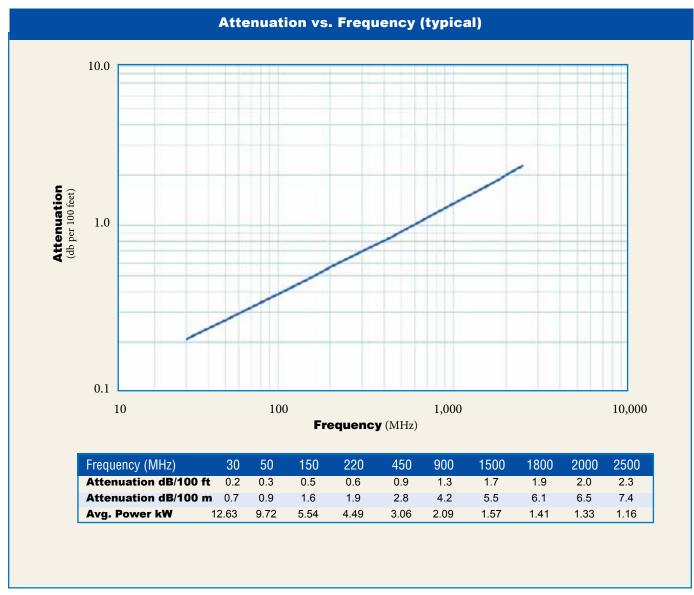
Mechanical Specifications							
Performance Property	Units	US	(metric)				
Bend Radius: installation	in. (mm)	6.50	(165.1)				
Bend Radius: repeated	in. (mm)	12.0	(304.8)				
Bending Moment	ft-lb (N-m)	15	(20.34)				
Weight	lb/ft (kg/m)	0.448	(0.67)				
Tensile Strength	lb (kg)	1300	(590.2)				
Flat Plate Crush	lb/in. (kg/mm)	250	(4.47)				

Construction Specifications						
Description	Material	In. (mm)				
Inner Conductor	BC Tube (.309" ID)	0.349 (8.86)				
Dielectric	Foam PE	0.920 (23.37)				
Outer Conductor	Aluminum Tape	0.926 (23.52)				
Overall Braid	Tinned Copper	0.972 (24.69)				
Jacket	(see table)	1.200 (30.48)				

Environmental Specifications					
Performance Property	°F	°C			
Installation Temperature Range	-40/+185	-40/+85			
Storage Temperature Range	-94/+185	-70/+85			
Operating Temperature Range	-40/+185	-40/+85			

Electrical Specifications						
Performance Prope	rty Units	US	(metric)			
Velocity of Propagation	%	88				
Dielectric Constant	NA	1.29				
Time Delay	nS/ft (nS/m)	1.15	(3.79)			
Impedance	ohms	50				
Capacitance	pF/ft (pF/m)	23.1	(75.8)			
Inductance	uH/ft (uH/m)	0.058	(0.19)			
Shielding Effectiveness	dB	>90				
DC Resistance						
Inner Conductor	ohms/1000ft (/km)	0.32	(1.0)			
Outer Conductor	ohms/1000ft (/km)	0.37	(1.2)			
Voltage Withstand	Volts DC	6000				
Jacket Spark	Volts RMS	8000				
Peak Power	kW	90				





MES MICROWAVE

Calculate Attenuation =

(0.037370) •√FMHz + (0.000160) • 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; Inner Conductor = 100°C (212°F); Sea Level; dry air; atmospheric pressure; no solar loading



LMR®-1200 Flexible Low Loss Communications Coax







	onnec	tors Description	Part Number	Stock Code	VSWR*: Freq. (Inner Contact Attach		Body		ngth (mm)		dth (mm)		ight (g)
1.	7-16 DIN Femal	e Straight Jack I	EZ-1200-716FC-2	3190-2784	<1.20:1	(2.5)	NA	Spring Finger	Clamp	A/S	2.3	(58)	1.73	(44.0)	0.586	-(265.8)
2.	7-16 DIN Male	Straight Plug EZ	-1200-716MC-2	3190-2781	<1.20:1	(2.5)	Hex	Spring Finger	Clamp	A/S	2.3	(58)	1.73	(44.0)	0.848	(384.6)
3.	N Female	Straight Jack E	Z-1200-NFC-2	3190-2785	<1.20:1	(2.5)	NA	Spring Finger	Clamp	A/S	2.2	(51)	1.73	(44.0)	0.630	(285.9)
4.	N Male	Straight Plug EZ	Z-1200-NMC-2	3190-2783	<1.20:1	(2.5)	Hex/Knurl	Spring Finge	r Clamp	A/S	2.4	(61)	1.73	(44.0)	0.651	(295.3)
5.	7/8 EIA	Straight Plug E.	Z-1200-78EIA-2	3190-2780	<1.15:1	(0.5)	NA	Spring Finger	Clamp	A/S	3.8	(96)	2.22	(56.5)	1.206	(547.0)
6.	7/8 EIA	Right Angle EZ-1	200-78EIA-RA-2	3190-2782	<1.15:1	(0.5)	NA	Spring Finger	Clamp	A/S	3.1	(80)	3.07	(78.1)	1.800	(816.5)
		* Finishes: N=Nic	kel, S=Silver, G=Go	ld, SS=Stainle	ess Steel, A	=Alba	lloy **VSW	R spec based	on 3 foot c	able with a	a conn	nector pa	air			





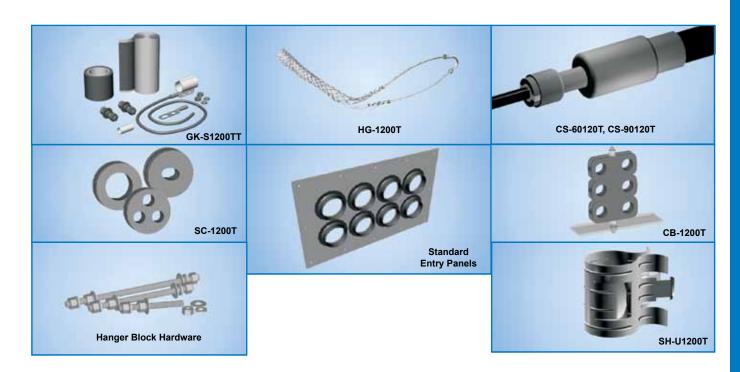




Install Tools

Туре	Part Number	Stock Code	Description
Midspan Strip Tool	GST-1200A	3190-436	For Ground Strap Attachment
Wrench	WR-1200A	3190-512	1-9/16" Box Wrench (1 required)
Wrench	WR-1200B	3190-511	1-7/16" Box Wrench (1 required)
Strip Tool	ST-1200-CH	3192-124	For LMR-1200 clamp style connectors
Cutting Tool	CCT-02	3192-165	Cable end flush cut tool
Replacement Blade	RB-02	3192-166	Replacement blade for cutting tool





Hardware Accessories

Туре	Part Number	Stock Code	Description
Ground Kit	GK-S1200TT	GK-S1200TT	Standard Grounding Kit (each)
Hoisting Grip	HG-1200T	HG-1200T	Split/Laced Type (each)
Cold Shrink	CS-90120T	CS-90120T	LMR-900 to -1200 Junction (each)
Cold Shrink	CS-60120T	CS-60120T	LMR-600 to -1200 Junction (each)
Standard Entry Port Cushion	SC-1200T	SC-1200T	Three Cables (each)
Standard Entry Panels	Full Range	of Port Styles/Combinat	ions Available
Hanger Blocks	CB-1200T	CB-1200T	Dual Cable Support Block (kit of 10)
Hanger Block Supporting Hard	lware Complete F	Range of Supporting Har	dware & Adapters Available
Snap-In Hangers	SH-U1200T	SH-U1200T	Snap-In Hangers (Kit of 10)