

LMR-SW™

ISO 9001 Certified

New 50 Ohm Low Loss, Low PIM Coaxial Cables

- Seamless Thin Wall Aluminum Outer Conductor
 - Pinhole-free
 - Eliminates Risk of Seam Failure
 - 100% RF Shielded
- Easy to Attach Connectors
- Excellent PIM Performance Typically < -170 dBc
- Low VSWR and Attenuation
- Tools and Accessories Available



LMR-SW396
LMR-SW540



LMR-SW 50 Ohm low loss coaxial cables employ a thin wall, seamless aluminum outer conductor which results in an exceptional combination of low loss, light weight and flexibility. Superior in electrical performance to corrugated copper cables with easily field installed connectors and lighter weight, LMR-SW cable also provides significant cost savings.

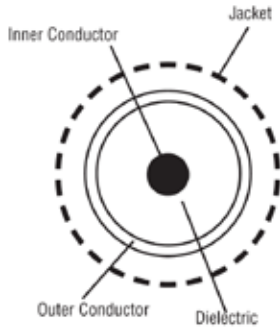
LMR-SW cables are the perfect solution for PIM-sensitive installations such as full duplex transmission lines and co-located sites. They are suitable for short to medium height tower runs and flexible enough to be used as jumper cables for both indoor and outdoor applications up to 5.8 GHz.

The high quality connectors are user-friendly and provide excellent and reliable performance when installed with the easy-to-use cable prep tools. Typical PIM performance better than -170 dBc can be achieved consistently. Grounding kits, hangers and other installation accessories are also available.

Features:

- Low Loss
- Low PIM
- Outstanding Connector Retention Strength
- Type N and 716 DIN Connectors Available
- Easy Handling
- 10 Year Warranty

LMR-SW™



Cable Construction

Inner Conductor: Copper Clad Aluminum

Dielectric: Foamed Polyethylene

Outer Conductor: Seamless Aluminum Tube

Jacket: Polyethylene, Outdoor, Black

Physical Specifications		LMR-SW396		LMR-SW540			
Overall Diameter: in (mm)		0.450	(11.4)	0.610	(15.5)		
Bend Radius: in (mm)		2.00	(51)	3.00	(76)		
Bending Moment: ft-lbs (N-m)		2.0	(2.71)	6.3	(8.80)		
Tensile Strength lb (Kg)		220	(99.8)	375	(170)		
Flat Plate Crush Strength: lbf (kgf)		95	(43)	90	(40)		
Weight: lbs/1000 ft (lb/km)		70	(104)	138	(205)		
Environmental Specifications							
Installation Temperature Range °F/°C		-40 / +185		(-40 / +85)			
Storage Temperature Range °F/°C		-40 / +185		(-40 / +85)			
Operating Temperature Range °F/°C		-40 / +185		(-40 / +85)			
Electrical Specifications							
Velocity of Propagation: %		87		88			
Impedance: Ohms		50 +/- 1		50 +/- 1			
Capacitance: pF/ft (pF/m)		24.2 pF/ft (78.2 pF/m)		23.1pF/ft (75.8pF/m)			
Inductance: µH/ft (µH/m)		0.058 µH/ft (0.19 µH/m)		0.058 µH/ft (0.19 µH/m)			
Shielding Effectiveness: dB		>100		>100			
Passive Intermodulation (PIM): dBc		< -170		< -170			
Center Conductor DC Resistance: Ohms/1000 ft/(km)		0.82 (2.69)		0.42 (1.38)			
Shield DC Resistance: Ohms/1000 ft (km)		0.85 (2.79)		0.63 (2.07)			
Attenuation & Average Power @ MHz		(dB/100ft) (dB/100m) (kW)		(dB/100ft) (dB/100m) (kW)			
30		0.51	1.7	5.76	0.36	1.2	8.35
50		0.66	2.2	4.44	0.47	1.5	6.44
150		1.16	3.8	2.52	0.83	2.7	3.67
200		1.34	4.4	2.16	0.96	3.1	3.16
300		1.66	5.5	1.75	1.18	3.9	2.56
400		1.94	6.4	1.50	1.37	4.5	2.21
450		2.06	6.8	1.41	1.46	4.8	2.07
900		3.00	9.8	0.97	2.11	6.9	1.44
1800		4.41	14.5	0.66	3.06	10.0	0.99
1900		4.55	14.9	0.64	3.15	10.3	0.96
2500		5.32	17.5	0.54	3.67	12.0	0.82
3500		6.47	21.2	0.45	4.43	14.5	0.68
4900		7.90	25.9	0.36	5.36	17.6	0.56
5800		8.74	28.7	0.33	5.90	19.4	0.51
Connectors							
N Male		EZ-SW396-NMC		EZ-SW540-NMC			
N Female		EZ-SW396-NFC		EZ-SW540-NFC			
716 Din Male		EZ-SW396-716MC		EZ-SW540-716MC			
716 Din Female		EZ-SW396-716FC		EZ-SW540-716FC			
Connector Installation Tools							
Complete Tool Kits		TK-SW396EZ		TK-SW540EZ			
Ground Kits							
Exact Fit Ground Kits		GK-S396TT		GK-S540TT			