

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



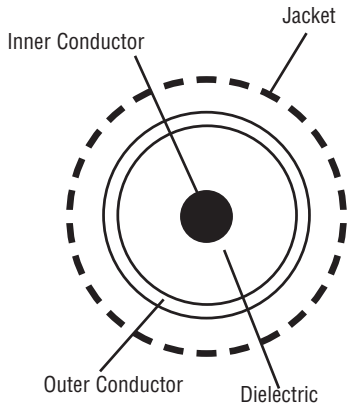
LMR-SW 50 Ohm low loss coaxial cables employ a thin wall, seamless aluminum outer conductor which results in an exceptional combination of low loss, light weight and flexibility. Superior in electrical performance to corrugated copper cables with easily field installed connectors and lighter weight,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



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)		
Performance 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		



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