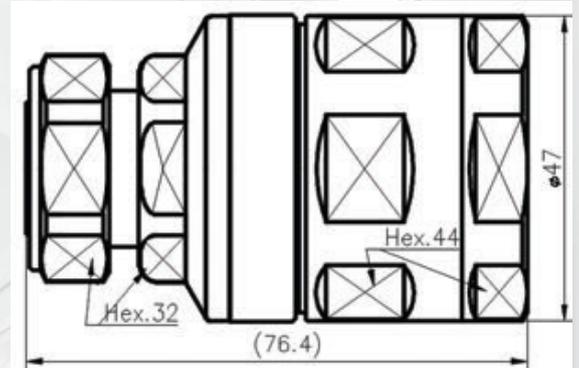


LT-7/16SM-1-1/4

7/16 Straight Male Connector for 50-33 Flexible RF Cable

The LT-7/16SM-1-1/4 is a high-quality 7/16 DIN Male Connector built for 1-1/4" coaxial cables, offering robust performance in high-power RF transmission systems. Known for its excellent low-loss characteristics and high durability, this connector is widely used in telecommunications, broadcast, and wireless infrastructure.

Its precision design ensures secure, stable connections with minimal signal reflection, making it suitable for both indoor rack systems and outdoor base station deployments. It is built to meet rigorous environmental and operational standards.



Key Features

- Designed for 1-1/4" coaxial cable
- 7/16 DIN Male interface
- Low VSWR for minimal signal loss
- Durable and weather-resistant construction
- Corrosion-resistant plating
- Easy and secure installation
- High power handling capacity
- Excellent shielding against interference

Applications

- Telecommunications base stations
- Broadcast and antenna systems
- RF transmission lines and feeders
- Outdoor wireless communication setups
- Industrial high-frequency equipment
- Signal distribution networks in critical infrastructure

Specifications

Inner Conductor	Tin Bronze / Silver Plating	
Outer Conductor & Body	Brass / Trimetal Plating	
Insulator	TPX	
Gasket	Silicon Rubber	
Nut	Brass / Trimetal Plating	
Electrical Specifications		
Characteristic Impedance	50 Ohm	
Interface Frequency Range	DC~3.8GHz	
Insulation Resistance	≥5000MΩ	
Dielectric Withstanding Voltage	4000V rms	
Operating Voltage	2700V rms	
Center Contact Resistance	≤0.4 mΩ	
Outer Contact Resistance	≤0.2 mΩ	
Insertion Loss	@DC-3.8 GHz	≤0.1dB
	@0.8-1.0 GHz	≤1.10
	@1.7-3.0 GHz	≤1.13
VSWR	@1.7-3.0 GHz	≤1.13
	@3.0-3.8 GHz	≤1.15
PIM3 (2*43dBm)	@1800MHz	≤-155dBc
Environmental & Mechanical Specifications		
Mating Durability	≥500 cycles	
Mechanical Shock Test Method	MIL-STD-202, Method 213, Test Condition D	
Vibration Test Method	MIL-STD-202, Meth. 204, Cond. A	
Temperature Range	-45°C to +85°C	
RoHS	Compliant	
Sealing Class	IP68 24hr, 1m, 20 C	
Regulatory Compliance / Certification		
ISO 9001:2015	Compliant	

