

LT-GRND-11/4-Kit

Spring Type Outdoor Grounding Kit

The LT-GRND-11/4-Kit is a professional-grade spring-type grounding kit designed for outdoor installation of 1 1/4" flexible RF coaxial cables. It ensures low-resistance grounding, excellent mechanical reliability, and long-term protection against lightning surges, static discharge, and environmental exposure. This grounding kit forms a critical part of a telecommunication system's lightning protection and grounding network. It safely diverts high transient currents from the feeder cables to the tower grounding system, preventing damage to RF equipment and minimizing downtime. Built with T2 red copper for superior conductivity and 304-grade stainless steel (ASTM standard) for durability, the LT-GRND-11/4-Kit guarantees stable performance even under harsh weather conditions. The assembly is pre-measured, easy to install, and supplied with all required accessories for immediate field deployment.

Key Features :

- The T2 red copper contact strip ensures low electrical resistance for efficient grounding.
- Stainless steel spring and hardware provide excellent mechanical and corrosion protection for long outdoor service life.
- The spring fastening system allows quick and secure attachment to the cable without damaging its outer conductor, maintaining reliable contact pressure over time.
- Stretching resistance exceeds 500 N, ensuring strong cable contact under vibration or movement.
- Operational reliability from -40°C to +70°C, suitable for all outdoor climates.

Applications :

- Telecommunication towers and cellular base stations
- Outdoor antenna and feeder cable grounding
- Distributed Antenna Systems (DAS) and indoor coverage networks
- Broadcast and television transmission sites
- Microwave and RF repeater stations
- Outdoor cabinet, rack, or shelter grounding systems



Specifications :

Parameter	Specification
Model / Part Number	LT-GRND-11/4-Kit
Product Type	Spring-Type Outdoor Grounding Kit
Ground Wire Length	1.0 m
Cable Section Area	16 mm ²
Stretching Resistance	> 500 N
Contact Material	T2 Red Copper + 304 Stainless Steel (ASTM Standard)
Voltage Resistance	35 kV
Power Frequency Withstand Voltage	80 kA
Insulation Resistance	10 GΩ
Operating Temperature Range	-40°C to +70°C
Installation Temperature Range	-40°C to +70°C
Compatible Cable Type	1 1/4" Flexible RF Coaxial Cable
Waterproof Materials	Electrical Tape (50mm × 0.18mm × 10m) and Rubber Mastic Tape (63.5mm × 3.175mm × 600mm)
Protection Rating	IP68
Mechanical Design	Spring Type, Non-Invasive
Compliance	ASTM 304, IEC 60060, IEC 60068 Standards

