

LT-JMP-NF-NF-HF400

N Female to N Female HF400 Low-Loss Jumper Cable - 50 Ohm

The LT-JMP-NF-NF-HF400 is a high-performance 50 Ohm braided coaxial cable engineered for reliable RF signal transmission. Designed with materials, it ensures enhanced safety in enclosed or poorly ventilated environments by minimizing toxic emissions in the event of fire.

This cable is ideal for applications requiring low signal loss and high shielding effectiveness, such as antenna connections, base stations, and wireless communication systems. Its construction supports both indoor and outdoor use, offering a robust and flexible solution for critical RF infrastructure.

Key Features

- Superflex design for easy installation
- Low signal loss and high performance
- Strong EMI/RFI shielding
- Wide RF frequency support
- Durable and long-lasting

Applications

- Distributed Antenna Systems (DAS)
- Base Transceiver Stations (BTS)
- Indoor and in-building RF cabling
- Wireless communication systems
- Broadcast and satellite signal distribution

Standard Conditions

For attenuation: VSWR 1.0, cable temperature 20°C (68°F)
For average power: VSWR 1.0, ambient temperature 40°C (104°F),
Inner conductor temperature 100°C (212°F)
no solar loading,
Maximum attenuation value shall be 105% off the nominal attenuation value.

Performance

Frequency (MHz)	Attenuation (dB / 100 m)	Frequency (MHz)	Attenuation (dB / 100 m)
30	2.2	1500	16.8
50	2.9	1800	18.6
100	4.1	1900	19.2
150	5	2000	19.6
220	6.1	2200	20.9
450	8.9	2500	22.2
900	12.8	2800	23.9
1200	15	3000	24.8



Specification

Electrical Specifications	
Capacitance	77 pF/m
Impedance	50 ± 2 Ω
Velocity	85.0%
Insulation Resistance	>5000 mΩ • km
Cut-off Frequency	16.2 kV
Withstanding Voltage	2.5 kV
Sparkover Voltage	8.0 kW
Peak Power Rating	18.89 kW
Screen Efficiency	≥90 Db
VSWR	-
800 ~ 1000 MHz	≤ 1.15
1700 ~ 2000 MHz	≤ 1.20
2000 ~ 2400 MHz	≤ 1.25
Physical Dimensions	
Inner Conductor	2.74 ± 0.02 mm
Dielectric	7.24 ± 0.10 mm
Shields	8.00 ± 0.20 mm
Jacket	10.1 ± 0.30 mm
Construction Materials	
Inner Conductor	Copper-clad Aluminum
Dielectric	Physical Foam
Outer Conductor	Bonded Aluminum/
Dielectric	Physical Foam
Outer Conductor Coverage	80%
Jacket	LSZH

