

# Pulsar Cable LMR400 Datasheet

## Overview

## Description

The Pulsar cable is a high-grade cable, suitable for outdoor applications with **WisGate Edge Prime, Max, and Pro (RAK7240, RAK7249, and RAK7289)**. This cable allows you to better position the gateway's antennas for optimal coverage.

## Features

- Cable length variants: 1.5 m / 4.9 ft, 3 m / 9.8 ft, 5 m/ 16.40 ft, 10 m/ 32.80 ft
- Connector: N-type male to N-type female
- Frequency Range: 0~6 GHz
- Cable type: LMR400
- VSWR:  $\leq 1.5$

## Specifications

Feature	Specifications
Model	Pulsar cable
Frequency range	0~6 GHz
VSWR	$\leq 1.5$
Length	1.5 m / 4.9 ft, 3 m / 9.8 ft, 5 m/ 16.40 ft, 10 m/ 32.80 ft
Cable type	LMR400
Impedance	50 $\Omega$
Color	Black
Connector type	N-type male to N-type female
Operation temperature (°C)	-40 °C ~ +85 °C
Humidity range	5% ~ 95%

## Power Loss Report

Frequency	1.5-m Length	3-m Length	5-m Length	10-m Length
433 - 435 MHz	≤ 0.30 dB	≤ 0.15 dB	≤ 0.65 dB	≤ 1.15 dB
470 - 510 MHz	≤ 0.35 dB	≤ 0.50 dB	≤ 0.70 dB	≤ 1.20 dB
863 - 870 MHz	≤ 0.10 dB	≤ 0.63 dB	≤ 0.85 dB	≤ 1.65 dB
902 - 930 MHz	≤ 0.15 dB	≤ 0.65 dB	≤ 0.90 dB	≤ 1.70 dB
2.4 GHz	≤ 0.60 dB	≤ 0.95 dB	≤ 1.20 dB	≤ 2.70 dB
4 GHz	≤ 0.90 dB	≤ 1.10 dB	≤ 2.15 dB	≤ 1.05 dB

## Mechanical Characteristics

### Connectors



Figure 1: Connector Types

## Dimensions

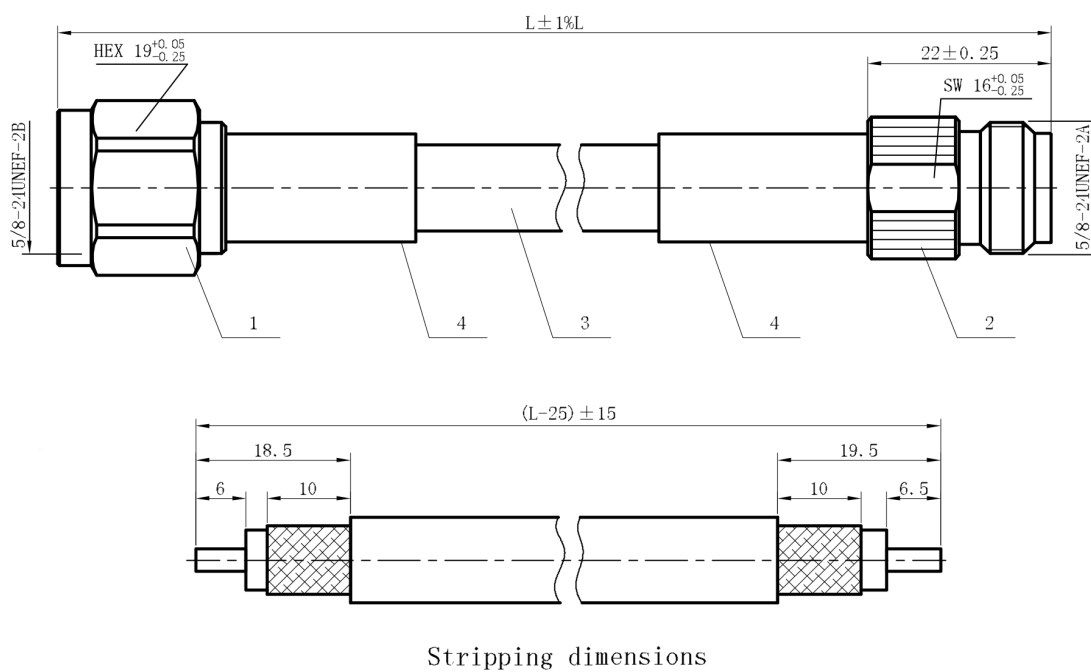


Figure 2: Pulsar Cable Dimensions

**Where:**

- 1 - N-type male connector for LMR400 cable

- 2 - N-type female connector for LMR400 cable
- 3 - LMR400 cable
- 4 - Ø13x25 heat shrinkable adhesive tube

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