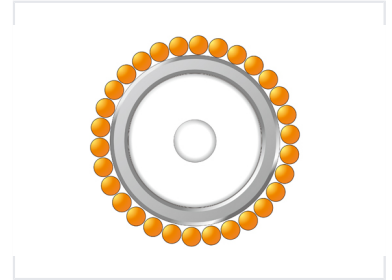


# Medical Flexible RF Cable for Signal Transmission

This medical-grade flexible RF cable is designed for reliable signal transmission in sensitive medical applications. It features a durable construction with a silver-plated conductor, PTFE dielectric insulation, and a braided shield for optimal EMI/RFI protection.



## Product Overview

### High-Performance Medical RF Cable

This medical-grade flexible RF cable is engineered for reliable signal transmission in sensitive medical environments, such as MRI machines and patient monitoring systems. It features a durable, lightweight construction with high flexibility, allowing for easy routing in confined spaces. Designed for rigorous medical use, it offers excellent resistance to abrasion and torsion while supporting multiple sterilization methods.

## Electrical Specifications

### Dielectric Strength

**1000 V**  
AC Voltage

Characteristic Impedance	50 $\Omega$
Rated Voltage	30 V
Capacitance (1KHz)	95 nF/m
Max Attenuation (2.5GHz)	2 db/m
Conductor Resistance	300 $\Omega$ /m
Insulation Resistance	1524 M $\Omega$ /m

## Construction & Materials

### Construction Materials

Component	Material
Conductor	Stranded alloy wire
Insulation	Fluoroplastic
Shield	Al metalized polyester tape and silver-coated annealed copper

## Environmental & Handling

### Key Properties

Highly Flexible • Abrasion Resistant • Lightweight • Torsion Resistant

Operating Temperature	-15 to 90
Compatible Sterilization	EtO (Ethylene Oxide), Autoclaving, Cold Treatment, CIDEX (Glutaraldehyde), IPA (Isopropyl Alcohol)