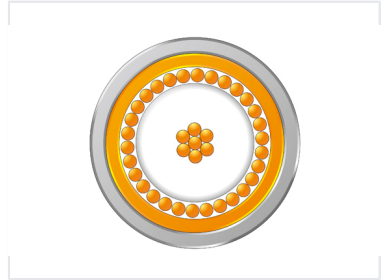


# Medical High-Temperature Low-Loss Coaxial Cable

This coaxial cable is designed for high-temperature, low-loss performance in medical settings. It is suitable for use with medical scalpel devices.



## Overview

### Medical-Grade Performance

This high-temperature, low-loss coaxial cable is engineered specifically for demanding medical environments, including imaging, diagnostics, and therapeutic devices. Its construction features a stranded alloy conductor and fluoroplastic insulation, ensuring durability and reliability. The cable is designed to withstand rigorous sterilization protocols, making it a robust choice for critical medical applications.

## Electrical Specifications

### Characteristic Impedance

**50 Ω**  
Impedance

|                       |                |
|-----------------------|----------------|
| Dielectric Strength   | AC1000V 1min   |
| Capacitance (1KHz)    | 95 nF/m        |
| Conductor Resistance  | 300 Ω/m        |
| Insulation Resistance | 1524 MΩ·m      |
| Rated Voltage         | 30 V           |
| Max Attenuation       | 2db/m (2.5GHz) |

## Physical Construction

### Construction Materials

| Component  | Material  |
|------------|---|
| Conductor  | Stranded alloy wire   |
| Insulation | Fluoroplastic   |
| Shield     | Tinned copper wire braid and cu metalized polyester tape screen |
| Jacket     | Fluoroplastic   |

|                       |           |
|-----------------------|-----------|
| Operating Temperature | -15 to 90 |
|-----------------------|-----------|

## Features & Compliance

### Compatible Sterilization

- EtO (Ethylene Oxide)
- Autoclaving
- Cold treatment
- CIDEX (Glutaraldehyde) soaked
- IPA (Isopropyl Alcohol) cleaning

### Physical Properties

Soft and flexible, Small size, Light weight, Abrasion resistant, Torsion resistant