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 ©
Impedance

Dielectric Strength	AC1000V 1min
Capacitance (1KHz)	95 nF/m
Conductor Resistance	300 ®/m
Insulation Resistance	1524 M®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

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