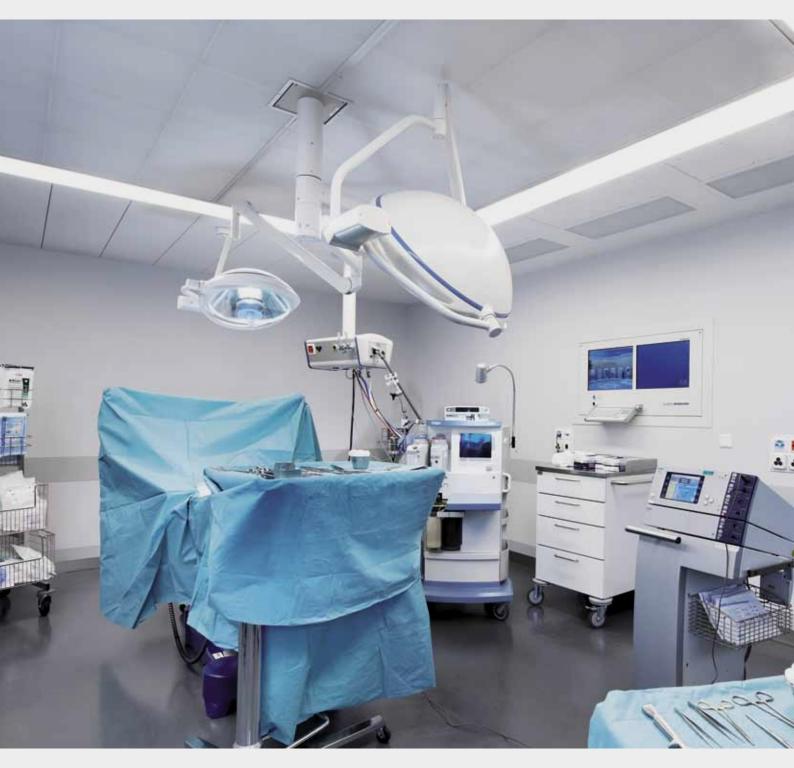
# Medical System solutions

Edition 2012





# Diagnostic - Components

#### Nonmagnetic components

There are different requirements for materials depending on the application. If connectors and cables are placed directly into the magnetic field of MRI systems, HUBER+SUHNER not only utilises virgin nonmagnetic raw materials but also ensures material purity throughout its fabrication processes. The following list shows a non complete product overview of components which are used with direct magnetic field exposure.

#### Nonmagnetic coaxial connector

Type 11\_SMC-50-2-16/111T 16\_MCX-50-2-19/111T 16\_MCX-50-2-18/111T 16\_MCX-50-1-8/111T

23\_BNO-0-0-5/133T

82\_MCX-50-0-42/111T 82\_MCX-S50-0-52/111T 84\_SMC-50-0-4/111T 85\_SMA-50-0-52/111T Suitable for cable RG\_316, EF\_316 EF\_316D, K02252\_D08/60 RG\_316, EF\_316, RG\_174, RG\_188 RG\_178, EF\_178, RG\_196

panel mount

female board connector (through hole) female board connector (surface mount) right angle male board connector (through hole) right angle female board connector (through hole)



Nonmagnetic coaxial cables

Type K\_02252-D-08 K\_02252-D-60 K\_01152-07 K\_01152-15 SM\_047\_CU SM\_141\_CU SM\_250-01

(ULAWM Style 1354)

(UL AWM Style 1354) (also available with PE jacket) (also available with PE or FEP jacket) (also available with FEP jacket)







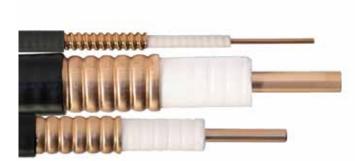
### Hermetically sealed components

Cooled, complex equipment such as NMR systems (nuclear magnetic resonance) often require signal transfer through thermo isolation layers. Therefore HUBER+SUHNER develops and manufactures hermetically sealed coaxial connectors featuring:

- Leak rates of smaller than 4x10-10 Torr I/s
- Strong mechanical design
- Common interfaces
- Single connectors but also multi coaxial solutions such as the 14 x MCX plus 2 x SMA (see picture)

#### Fiber optic connectors

The broad HUBER+SUHNER connector portfolio is continuously enhanced through new innovative solutions such as MTP, which unites 12 fibers in one housing which is the overall size of a common SC connector or the robust ODC<sup>®</sup> interconnect systems featuring water tightness and mechanical stability. These are especially suited for heavy equipment installations such as MRI.



## Corrugated cables

High power pulses for gradients inside of MRI systems or the like can be cost effectively fed through these cables. HUBER+SUHNER offers a complete range between 1/4 inch and 1 5/8 inch cables in standard or high flex designs. A broad portfolio of compatible connectors with different interfaces and various patterns is available.