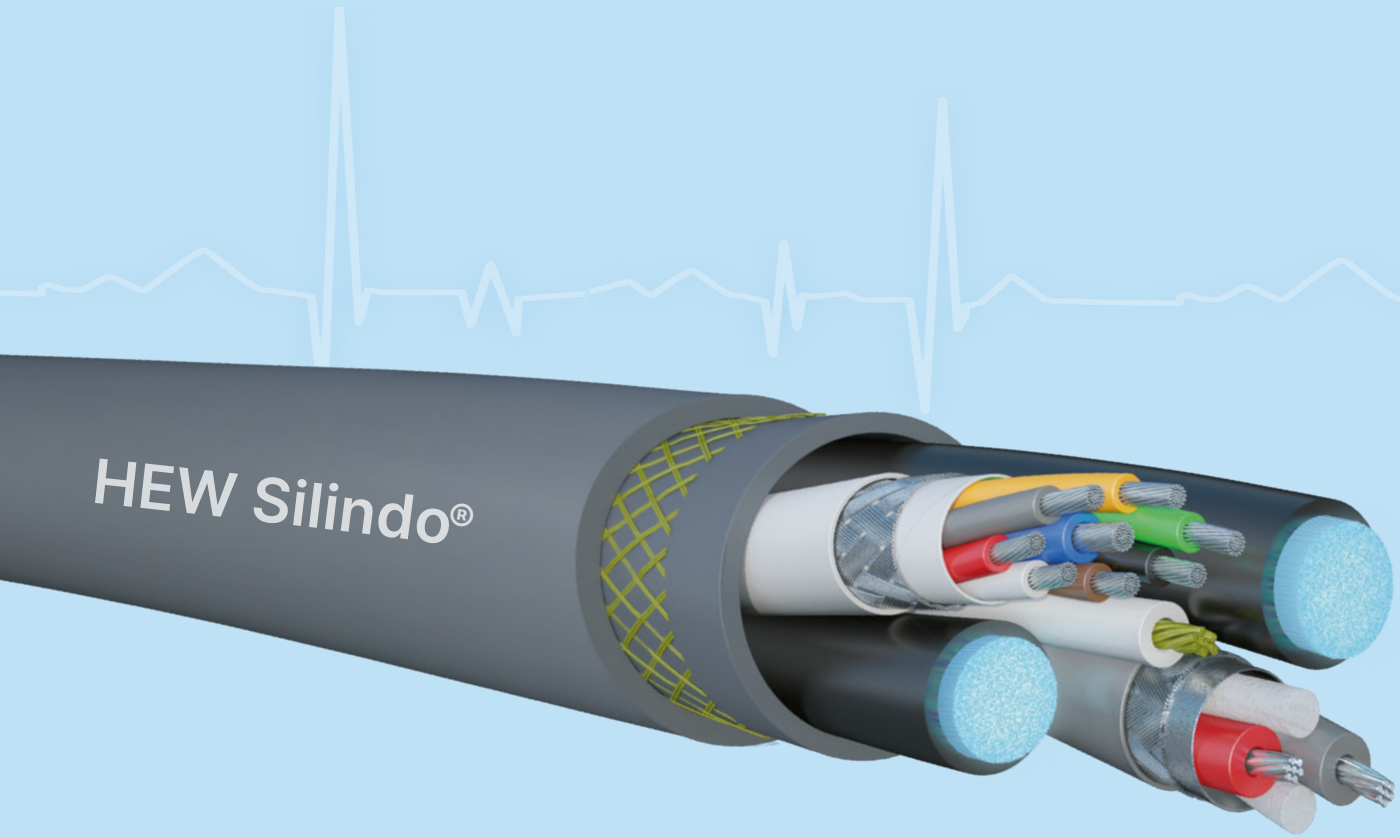
Habia | HEW KABEL Habia Cable

Medical

Cabling solutions for medical technology



Everything from one source

HEW-KABEL develops and manufactures specialised cables for medical devices and instruments for various applications, primarily in the fields of diagnostics, surgery, and patient monitoring.

To provide a space- and cost-efficient solution for each task, we produce application-specific medical cables as hybrid cables, as well as miniature cables or flat cables for particularly compact devices.

Hybrid Cable

+ Combination of different elements in one cable, for example fibre optic cables, coax elements, single cores, strain relief and PTFE tubes
+ Simultaneous transmission of energy, high-speed data microwave signals RF, gases, liquids or light

Flat Cable

+ Ultra-flexible solutions with low dead weight and extremely small bending radius
+ Simultaneous transmission of energy, data, signals, gases, liquids or light
+ No cable track required as a guide, minimized running noise, smooth and jerk-free movement

Miniature Cable

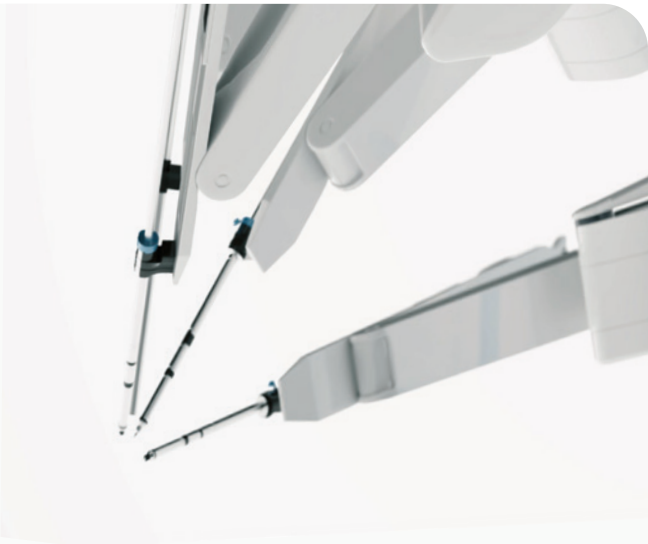
+ Cross-sections up to AWG56 (ø ≈ 0.0125 mm)
+ Micro coaxial cable up to AWG46 (ø ≈ 0.0399 mm)
+ As single cable or multicoaxial cable
+ Absolutely reliable and interference-free transmission of various data in real time
+ Simultaneous transmission of data, light, liquids and electricity

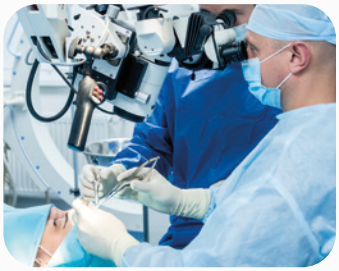
Full Systems

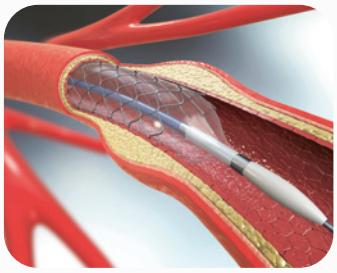
+ Ready-to-connect solutions
+ Termination according to customer specifications
+ Hybrid solutions
+ Miniature solutions

From development to the ready-to-install, highly specialized cable or cable system, our customers receive everything from one source. We are an one stop shop.

For every application the optimal solution







Imaging Diagnostics

+ High-speed transmission of data, signals and energy
+ Excellent image quality
+ Minimal susceptibility to interference (EMC)
+ Space-saving constructions

Hygiene

+ Non-adhesive surface (HEW Silindo®)
+ Wipe-disinfectable
+ Autoclavable

Handling

+ Ultra-flexible solutions
+ Low tare weight
+ Ergonomic handling
+ Safe and comfortable complete solution

HEW-Silindo®

Biocompatible silicone cable without stick-slip effect

The Silindo® surface developed by HEW-KABEL permanently improves the conventional silicone feel. "Sticking" is permanently prevented. This surface property is retained even after multiple autoclave cycles. HEW-Silindo® does not require any foreign material in the silicone or on the surface.

Features

of HEW-Silindo®

+ Completely new touch: no foreign material in the silicone or on the surface
+ Permanent improvement of surface haptics: no stick-slip effect ("sticking")
+ Minimized sliding friction: even after multiple auto clave cycles

Sterilization Options

of HEW-Silindo®

+ Steam sterilization (autoclave)
+ Disinfection washing machine
+ Gas sterilization (Ethylenoxid)
+ Gamma sterilization
+ Wipe disinfection

HEW-Medical Material Properties

	Fluorpolymers					Elastomers		Thermoplastic Elastomers	
	ETFE	FEP	MFA	PFA	PTFE	Silindo	Silicones	PUR	Santoprene™
Continuous operating temperature (20,000h)*	-100 °C +150 °C	-100 °C +200 °C	-100 °C +230 °C	-190 °C +250 °C	-190 °C +260 °C	-50 °C +180 °C	-50 °C +180 °C	-50 °C +90 °C	-50 °C +105 °C
Biocompatibility**	✓	✓	✓	✓	✓	✓	✓	✓	✓
Resistance to disinfectants	++	++	++	++	++	++	++	+	+
Halogen-free	×	×	×	×	×	×	×	✓	✓
RoHS-compliant	✓	✓	✓	✓	✓	✓	✓	✓	✓
REACH-compliant	✓	✓	✓	✓	✓	✓	✓	✓	✓

* According to DIN EN 60216 & ASTM D 3032
** According to DIN EN ISO 10993-5

Optimized for medical technology

Solutions beyond the ordinary

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For our **customer centers** and other contacts simply scan this QR code or visit us at:

www.habia.com

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