

***Cables for
Medical Technology***

***Excellence in
custom cable design
& manufacturing***

Healthcare



BizLink – Your system partner for medical cable solutions >


Custom cable design and manufacturing is one of our core competencies since more than 40 years. Our cables boost our assemblies, as well as many medical devices around the globe.

They stand out in terms of

- COMPLEXITY >** More fits in our cables than you think. Challenge us!
- RELIABILITY >** Constant in-line and frequent final testing approve any of our cable designs.
- SUITABILITY >** Each of our custom cables is tailored to its use and application.
- DIVERSITY >** Explore our custom medical cable portfolio in a ‚cross section‘ and discover your opportunities


ECG flat cable

- Disposable
- Easy-to-split
- Invisible in X-rays due to carbon conductor



C-arm custom cable

- Fiber & copper elements, and tubes to supply data, power, signals & fluid



X-ray cable

- Stressable with high strength copper alloy conductor




Extra thin MRI coil cables

- Compact
- Easy-to-clean
- Thin with FEP insulation




Coaxial MRI body coil cable

- Improved transmission with FEP foam dielectric
- Flexible



Patient monitoring cable

- UL-approved & biocompatible with TPU jackets
- Smooth & flexible
- Disinfectible




C-arm custom cable

- Less element friction
- More flexible in mobile use




C-arm custom cable

- ‚All-in-one‘ solution
- With low-loss power element
- Bendable




Patient monitoring cable

- Thin with FEP
- Tensile with kevlar braid
- Biocompatible




Hand switch cable

- High tensile with kevlar braid
- Biocompatible
- Antimicrobial




Custom power cable

- Low-loss
- UL-approved



C-arm custom cables

- Including almost any kind of elements
- High bendable



CONDUCTOR OPTIONS

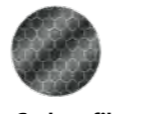
- AWG 40 – 4/0
- Bare copper
 - Tinned plated copper
 - Silver plated copper
 - Steel/Alu copper
 - High strength alloys
 - Carbon fiber
 - Fiber (different types)



Solid wire
For static applications



Stranded wire
For flexible applications



Carbon fiber
Invisible in X-ray images, electro-magnetically compatible



Fiber
High data rates, invisible in X-ray images, electromagnetically compatible

TAPES & BINDERS OPTIONS

- Polyester
- Polyester/Aluminium
- Polyester/Copper
- Non woven
- TFE
- ePTFE
- Water blocking



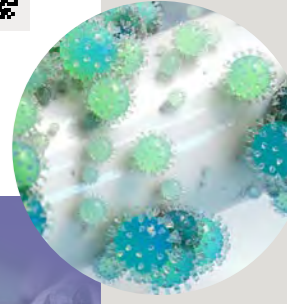
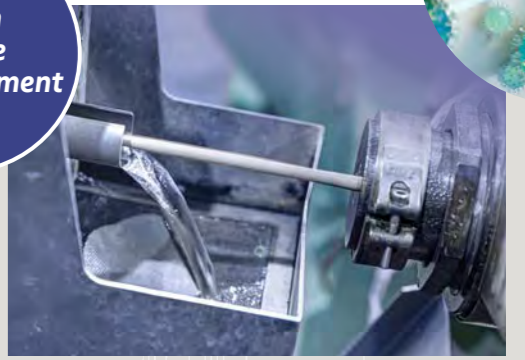
JACKETING OPTIONS

- | | | |
|--------|--------|---|
| • PE | 105 °C | • Biocompatible cables |
| • PP | 120 °C | • Antimicrobial cables** reducing the risk of infection |
| • PVC | 125 °C | |
| • TPU | 90 °C | |
| • FRNC | 105 °C | |
| • TPE | 90 °C | |
| • PA | 105 °C | |
| • MPPE | 120 °C | |
| • ETFE | 150 °C | |
| • FEP | 200 °C | |
| • PFA | 260 °C | |
| • SIR* | 180 °C | |

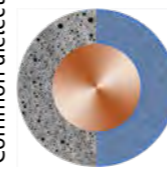


* only available as assembly
**FDA clearance required

>> In touch with the environment



INSULATION OPTIONS

- | | | |
|------------|--------|--|
| • PE | 105 °C | Unique Skin-Foam-Skin extrusion
improves cable transmission properties while reducing the total diameter. |
| • Foam PE | 80 °C | |
| • PP | 120 °C | Common dielectric
 Skin-foam-skin |
| • Foam PP | 90 °C | |
| • PVC | 125 °C | |
| • FRNC | 120 °C | |
| • TPE | 120 °C | |
| • PA | 105 °C | |
| • MPPE | 120 °C | |
| • ETFE | 150 °C | |
| • FEP | 200 °C | |
| • Foam FEP | 200 °C | |
| • PFA | 260 °C | |

TWISTING OPTIONS

- Twisted pairs
- Twisting elements
- Layer twisting
- 42 elements in one step
- Diameter: up to 30 mm
- Air blocking injection
- Water blocking yarn
- Machines for HF (50GHz) App.
- Different fillers, tubes, fiber, strength members




>> The art of joining the elements

PRIME CABLE tailored to your needs
YOUR LABEL + OPT. CABLE APPROVAL

Coaxial MRI body coil cable with double braid

- UL-approved
- Extra thin jacket
- Biocompatible




Dental camera cable

- Smooth
- Biocompatible
- Sterilizable




Vision system breakout cable

- Compact
- Bendable
- Easy-to-clean




ECG cable

- Reusable
- Biocompatible
- Antimicrobial



Robust foot switch cable

- Crush-resistant
- Tensile
- Also trailable



CABLE SHIELDING OPTIONS

- | | |
|----------------------------|------------------------|
| Braided/Spiral (AWG 44-30) | • Bare copper |
| | • Tin plated copper |
| | • Silver plated copper |
| | • Silver plated alloy |
| | • Steel |
| Foil add-on | • Textiles |
| | • Aramid |
| | • Polyester/Aluminium |
| | • Polyester/Copper |



*You need a system
with the cable?*

*Checkout our
Cable Systems for
Medical Technology >*



**Our excellence in custom cable design
& manufacturing is underlined by >**

Site certifications >

**DIN ISO 9001
DIN ISO 14001
DIN ISO 50001
DIN ISO 9100**



VDE

Comprehensive cable
certification know-how >

**Optional
Cable Approvals**



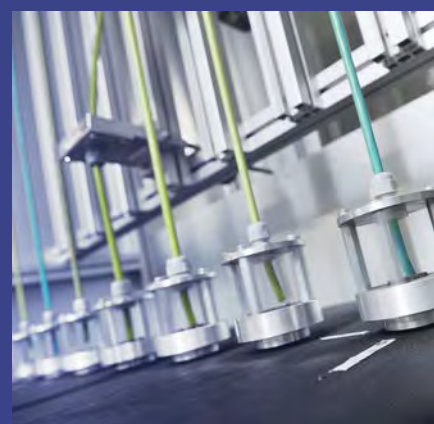
CPR
Construction
Products
Regulation



**Extensive in-line
& final testing**

- Electrical & high-voltage tests
- Tensile tests
- Compatibility & resistance tests
- Ageing tests
- Flame tests
- Bending tests
- Torsion tests
- Drag chain tests

and much more



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BizLink Special Cables Germany GmbH
Eschstrasse 1, 26169 Friesoythe, Germany
T +49 4491 291-5060

BizLink Technology, Inc.
8001 Artcraft Rd. El Paso TX 79932, USA
T +1 (510) 385-1973



healthcare.bizlinktech.com
healthcare_info@bizlinktech.com

 Follow us on LinkedIn

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