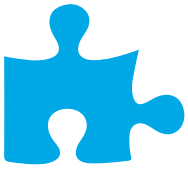
MACHINE VISION CABLES

TTL network™
stay in contact

WHAT SETS US APART

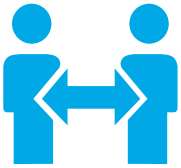
FAMILY-RUN & MEDIUM-SIZED

We are fast and flexible in decision-making, personally available and see the business as a long-term partnership.



CUSTOMER-SPECIFIC

We fulfil wishes: With over 1000 tools for OEM and 10,000 technical sketches, we are able to offer solid customised solutions.



STRONG NETWORK

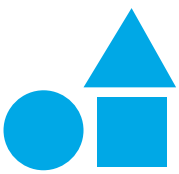
We have known our partners for a long time and value them. We have access to original connectors from all well-known manufacturers or, on request, low-priced compatible products with guaranteed stable quality.

SOLUTION-ORIENTED

With established and structured processes and personal service we find the best technical and and economic solution for your request.

100% QUALITY-TESTED

All our cable assemblies are 100% electrically tested before delivery and the production facilities can be audited at any time.

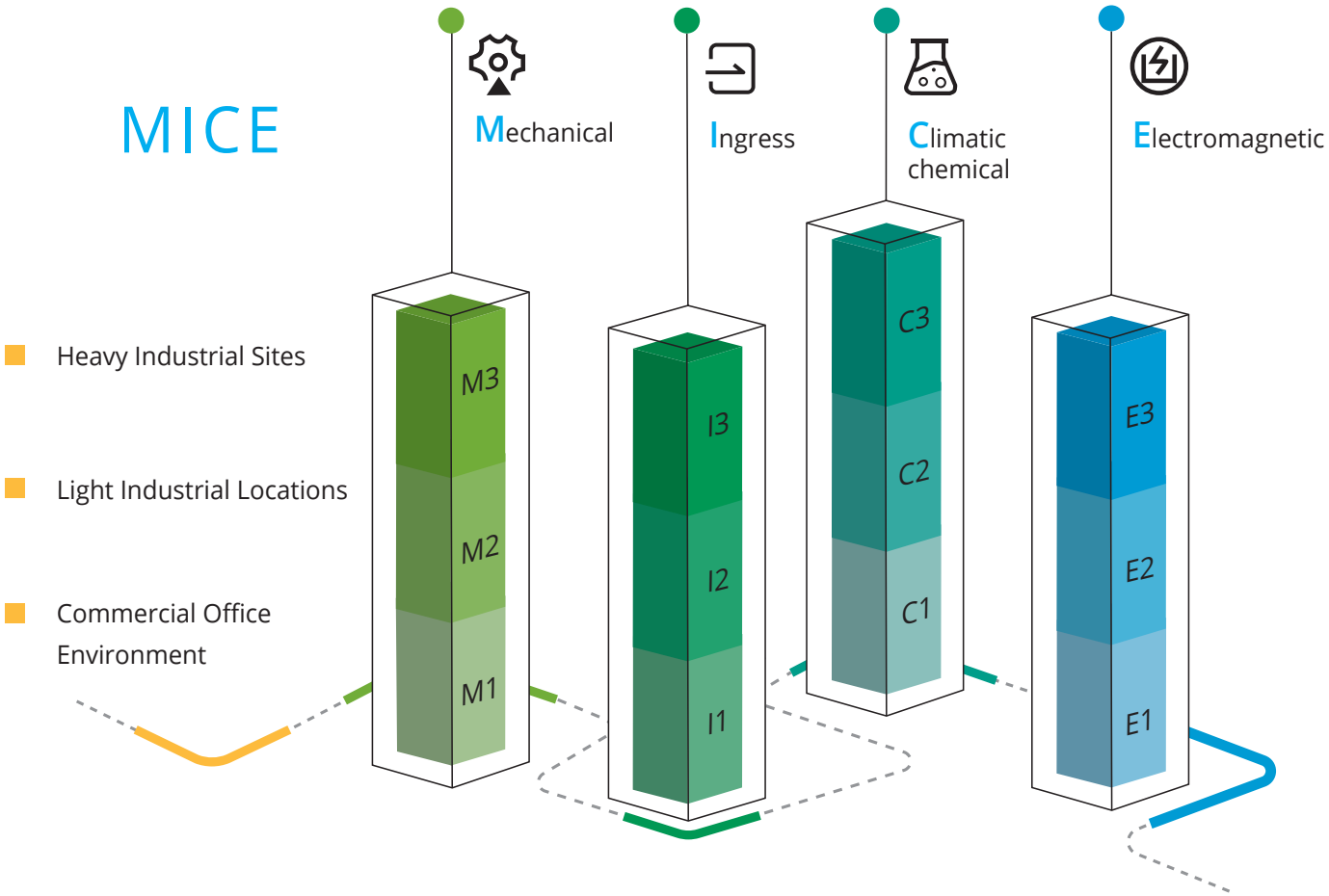


ALWAYS FLEXIBLE

Flexibility from small to large series through production facilities in Asia and Eastern Europe.

INDUSTRIAL IMAGE PROCESSING

Industrial image processing is used in various automation situations. The industrial environments are often complex and harsh and place special demands on the properties and performance of the cabling. We know the most important conditions of MICE in various industrial environments. For the assembly of image processing cables, we offer special solutions that meet even the most difficult challenges.



GigE Ethernet series

Application

Designed for industrial image processing systems and industrial cameras to **connect PCs and cameras** with Ethernet support. The Ethernet interface is standard in almost all PC hardware and is used for data transmission over long distances.

Advantages

- **High transmission rate**
  up to 10 Gbps
- **Stable data transmission**
  Secure screw lock on the camera
- **Excellent shielding**
  EMC resistant
- **Flexible cable material**
  drag-chain suitable
- **Very high reliability**
  oil and cold resistant, flame retardant
- **Water and dust resistance**
  M12 connectors meet IP65 and IP67

GigE Ethernet (UltraFlex) cables

RJ45 to RJ45
with screw lock

Lengths: 3.0 / 5.0 / 10.0 m

RJ45 to RJ45
90° laterally angled with screw lock

Lengths: 3.0 / 5.0 / 10.0 m

RJ45 auf RJ45 90° angled
with screw lock

Lengths: 3.0 / 5.0 / 10.0 m

RJ45 to M12-A 8pin
with thread lock

Lengths: 3.0 / 5.0 / 10.0 m

*** Individual lengths possible according to customer requirements**

Further Industrial Ethernet products from our portfolio:

+ iX-iX Kabel **+ RJ45 field termination plugs** **+ M12 Cat.6$_A$ field termination plugs X-coded**

Contact our sales team (see last page) and get your comprehensive advice.

Camera Link series

Application

The Camera Link series connects **Camera Link interface cameras** a**nd image capture boards**. A traditional mature and reliable camera interface can realise a one-cable solution (PoCL solution for camera supply).

Advantages

- **Stable data transmission with low time delay**
  robust design and quality control
- **Stable connection**
  High-quality, solidly installed MDR / SDR connectors
- **Flexible cable material**
  drag-chain suitable
- **Very high reliability**
  oil and cold resistant, flame retardant

Camera Link (UltraFlex) cables

MDR to MDR
both sides with screw lock

Lengths: 3.0 / 5.0 m*

SDR to SDR
90° laterally angled
both sides with screw lock

Lengths: 3.0 / 5.0 m*

MDR to SDR
both sides with screw lock

Lengths: 3.0 / 5.0 m*

SDR 90° laterally angled to MDR
both sides with screw lock

Lengths: 3.0 / 5.0 m*

*** Individual lengths possible according to customer requirements**

Application

The USB 3.0 cables connect **PCs** with USB3.0 interface and **cameras** with a sophisticated interface solution. Data is transferred at high speed with little time delay.

Suitable for short transmission distances.

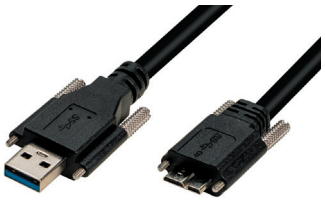
Advantages

- **High transmission rate**
  5 Gbps
- **Stable data transmission**
  Secure screw lock on the camera
- **Excellent shielding**
  EMC resistant
- **Flexible cable material**
  drag-chain suitable
- **Very high reliability**
  oil and cold resistant, flame retardant

USB 3.0 (UltraFlex) cables

USB-A to Micro-B with screw locking

Lengths: 3.0 / 5.0 m*



USB-A to Micro-B both sides with screw lock

Lengths: 3.0 / 5.0 m*

USB-B to Micro-B with screw locking

Lengths: 3.0 / 5.0 m*

*** Individual lengths possible according to customer requirements**

CoaXPress series

Application

The CoaXPress cables are for the new generation of high-speed **CXP-6 and CXP-12 cameras**. They support 6.25 and 12.5 Gbps respectively and offer the great advantage of ultra-high bandwidth and transmission rate.

They are particularly suitable for long transmission distances.

Advantages

- **High transmission rate**
  up to 12.5 Gbps
- **Compatible with many interfaces**
  BNC / HD-BNC / DIN
- **Thin, flexible cable**
  coaxial structure, low bending radius
- **Excellent shielding**
  EMC resistant
- **Very high reliability**
  oil and cold resistant, flame retardant

CoaXPress (UltraFlex) cables

DIN 1.0 to BNC CXP

Lengths: 3.0 / 5.0 / 10.0 m*

DIN 1.0 to HD-BNC CXP

Lengths: 3.0 / 5.0 / 10.0 m*

HD-BNC to HD-BNC CXP

Lengths: 3.0 / 5.0 m*

*** Individual lengths possible according to customer requirements**

HR10A Power cables for cameras

Application

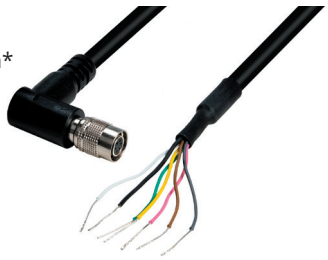
Designed for **industrial image processing systems** and **industrial cameras**. The cables provide power and control signals for the camera.

Advantages

- **Excellent shielding**
  EMC resistant
- **Flexibles Kabelmaterial**
  schleppkettentauglich
- **Very high reliability**
  oil and cold resistant, flame retardant
- **Water and dust resistance**
  connectors meet IP65 and IP67

HR10A to Open End

Lengths: 3.0 / 5.0 / 10.0 m*



HR10A 90° angled to Open End

Lengths: 3.0 / 5.0 / 10.0 m*

*** Individual lengths possible according to customer requirements**

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