

# FiberConnect®

Light Guide Fiber and Cable Solutions



**Fiber Optics for harsh industrial environments**

**applicable for industrial ethernet**

Fiber Optics for fast and reliable data transmission in highly flexible applications.

#### The advantages of Fiber Optics

- EMC safety, no electromagnetic disturbances
- no length limit
- no repeater necessary
- higher bandwidth and data rates

#### Fiber Optic / Copper Hybrids

- ONE cable for power AND data transmission
- data AND electric transmission (24 V up to 300 V)
- space and weight savings
- higher packaging density
- minimizes costs, connection time and effort

The Business Unit Fiber Optics offers standard fiber optic cables made with polymer optical fibers (POF) and polymer clad fibers (PCF) as well as glass optical fibers with the above advantages for multiple applications. These cables allow for customer implementation of high performance broadband communications within different wavelengths for OEM solutions.

#### Fiber Optics protection

- Special robust constructions
- Abrasion-resistant PUR-coating
- Supports pressure, vibration, chain bending
- Usable from – 40 °C to + 105 °C
- Resistant to acids, fats, oil
- Longevity, 5 million bending cycles
- halogen free and resistant to welding beads

#### Distribution Boxes

- for installation in 19" racks or mounting on DIN rails
- delivered ready to connect
- easy installation of the HeavyTrunk-System
- non-corrosive aluminum housing

#### Applications

- Field bus and industrial Ethernet systems
- High performance printers
- Robotic applications for industry and medical
- Crane construction, automation technology
- Automatic placement machines, and many more

**All cables are available as assembled products for time efficient plug & play installation. UL/CSA approbation.**

# LEONI