High speed DAC cables and loopbacks for 10 to 400 G applications
LEONI’s industry-leading high speed cable technology enables us to provide superior P2P solutions up to 400 G for data center applications.

With inhouse design capabilities for circuit boards, connectors and bulk cables, we harmonize the entire transmission channel. Our global production footprint and state-of-the-art RF labs assure high quality output worldwide.

Our offering includes a wide range of standard and customized products with multiple design options.

Point-to-point connections for data centers

Includes ParaLink® bulk cable
The key to high speeds
Superior signal-integrity

LEONI achieves best in class SI performance through harmonization of unique ParaLink® bulk cables and inhouse designed state-of-the-art PCBs.

The key to industry leading data transmission up to 400 G.

Increased link length

Unique LEONIzell® skin-foam-skin dielectric technology allows for cable designs with larger wire gauge sizes.

The key to cost efficient energy and cable management.

Industry leading quality

Comprehensive in-line process control and automated manufacturing ensures product stability at frequencies up to 56 GHz and beyond.

The key to reliable and sustainable solutions.
Our 400, 200, 100, 50, 40, 25 and 10 G solutions

**QSFP-DD**
- Supporting 400 G (8 x 50 G)
- LEONI is a member of the MSA group QSFP-DD
- Acc. to IEEE 802.3cd
- Breakout versions
  - QSFP-DD to 8 x SFP56
  - QSFP-DD to 2 x QSFP56
  - QSFP-D to OSFP

**QSFP56**
- Supporting 200 G (4x50 G)
- Compatible with SFF 8665
- Acc. to IEEE 802.3cd
- Breakout versions
  - QSFP56 to 2 QSFP28

**QSFP28**
- Supporting 100 G (4x25 G)
- Compatible with SFF 8665
- Acc. to IEEE 802.3bj and InfiniBand EDR
- Breakout versions
  - QSFP28 to 2 QSFP28
  - QSFP28 to 4 SFP28

**SFP56**
- Supporting 50 G
- Compatible with SFF 8402
- Acc. to IEEE 802.3cd

**SFP28**
- Supporting 25 G
- Compatible with SFF 8402
- Acc. to IEEE 802.3bj and InfiniBand XDR

**SFP+**
- Supporting 10 G
- Compatible with SFF 8083
- Acc. to IEEE 802.3bj and InfiniBand XDR
QSFP+

- Supporting 40 G
- Compatible with SFF 8436
- Acc. to IEEE 802.3ba and InfiniBand QDR

- Breakout versions
  - QSFP+ to 4 SFP+

OSFP

- Supporting 400 G (8 x 50 G) over 4 m (13 ft)
- LEONI is a member of the MSA group OSFP
- Acc. to IEEE 802.3cd

- Breakout versions
  - OSFP to 8 x SFP56
  - OSFP to 2 x QSFP56
  - OSFP to QSFP-DD

CXP

- Supporting 100 G Ethernet and 120 G InfiniBand QDR applications
- Compatible with EIA 965 and SFF 8642
- Acc. to IEEE 802.3ba
- Min. bending radius
- Strain relief

Loopbacks

- Available as 10, 25, 40 and 100 G versions for SFP+, SFP28, QSFP+ and QSFP28
- Optional diagnostic functions via LED (temp, voltage/load, comm)
- Extended plug cycle life
- Switchable power-classes
- Monitoring functionality for system debugging
- Switchable low speed signal interface
- Low temp version available for extended temperature range
Find out more:

**Business Unit Telecommunication Systems**

www.leoni-telecom.com

---

**Headquarters**  
LEONI Special Cables GmbH  
Eschstrasse 1  
26169 Friesoythe  
Germany  
Phone  +49 (0)4491 291-5060  
Fax  +49 (0)4491 291-5061  
E-mail  telecom@leoni.com

**Sales Office**  
LEONI Engineering Products & Services, Inc.  
2860 Zanker Road, Suite 100  
San Jose, California 95134  
USA  
Phone  +1 408 914-2279  
Fax  +1 408 654-9776  
E-mail  telecom@leoni.com