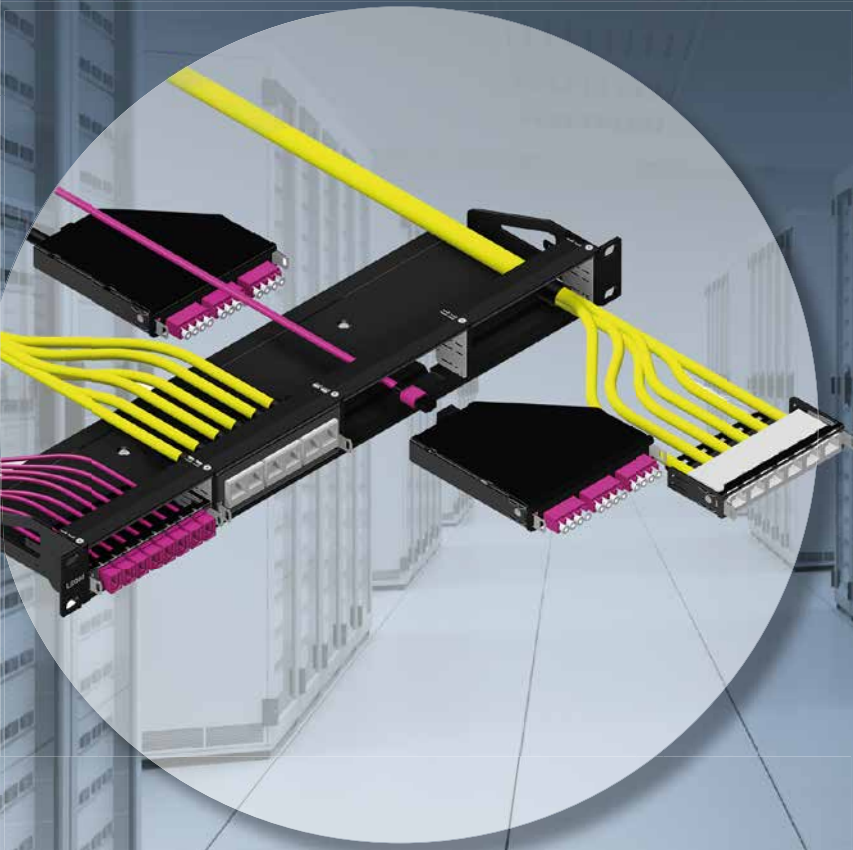


DLink - Squaring the circle

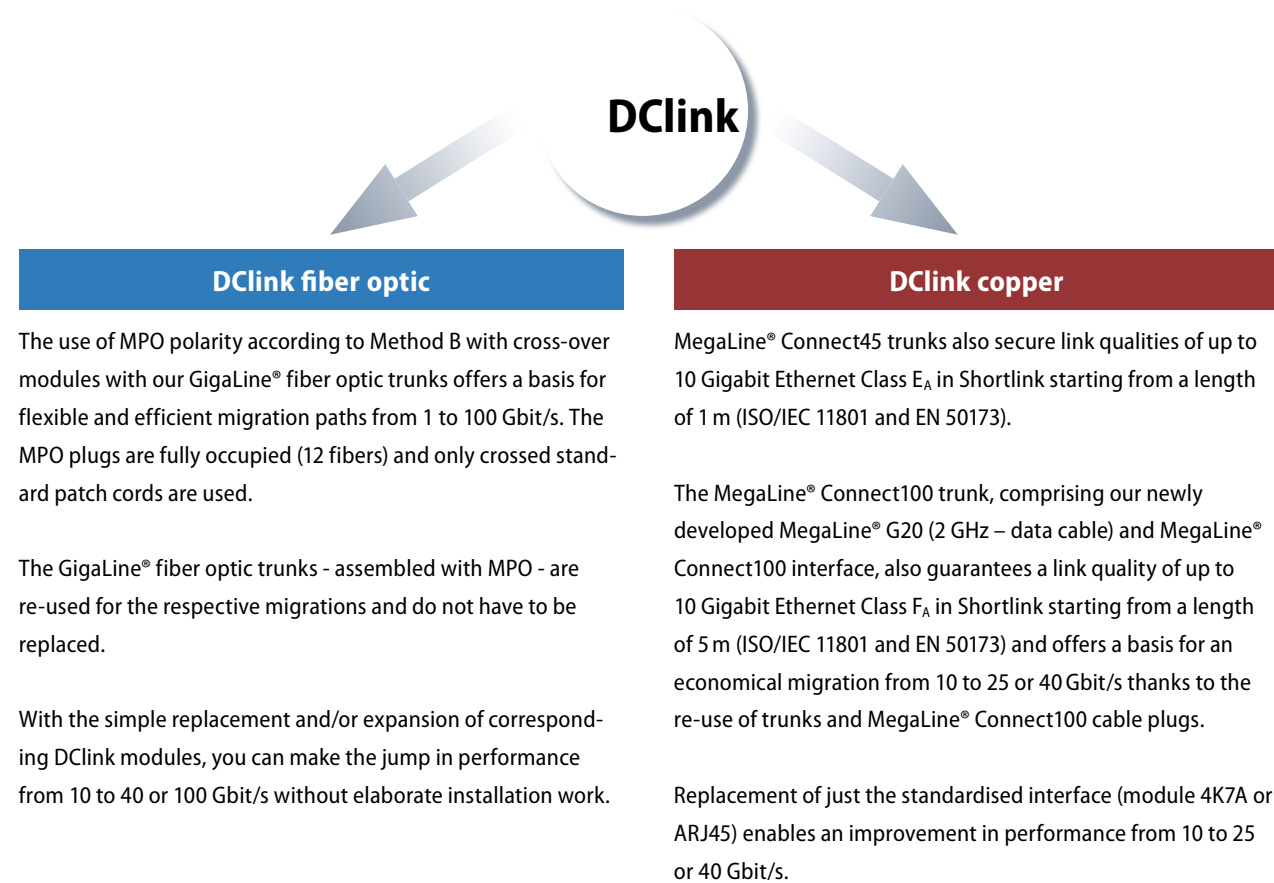
Numerous possibilities · One system · One solution



The Quality Connection

LEONI

Developing this system was like squaring the circle.



The modular LEONI DCLink system enables extremely variable cable topologies in data centers with a maximum packing density per RU of 48 ports for copper or 768 fibers for fiber optic cable. The tool-free assembly of the module inserts with various fronts in the rack minimizes installation times. DCLink offers the highest measure of flexibility for connection of the active components during the initial installation or subsequent expansions. The cabling takes place with quality-tested preassembled cables, which currently enable an upgrade to up to 100 Gbit/s. The user-defined installation with click-in connection technology (Click & Fly) from the front or rear facilitates the cable wiring and enables need-based selective strategies for all work on the module in uninterrupted operation.

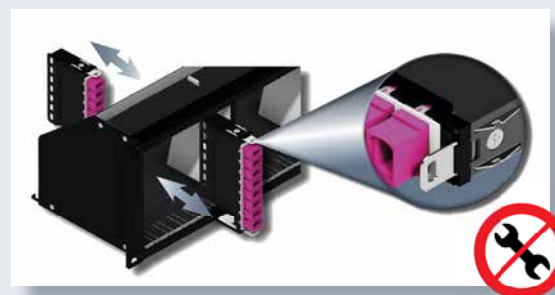
Sophisticated migration strategies assure the best protection on your investment, regardless of whether you choose a copper or fiber optic connection. Ready-to-operate, pre-assembled, certified system cable trunks and modules significantly reduce installation times and guarantee powerful and tested link qualities.

Continuous quality control of the products and production by the accredited test laboratory GHMT (GHMT PREMIUM Verification Program) complete our quality standard and guarantee our customers the highest measure of assurance.



Our quadrature

- Upgradeable 1-100 Gbit/s
- Tool-free (Click & Fly)
- Scalable
- Energy efficient
- User-friendly (MAC)
- Module insertion from front & rear
- Space-saving (48 ports on 1 RU)



Click & Fly

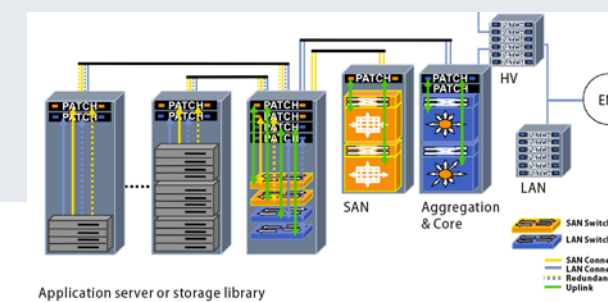
DCLink – Numerous possibilities · One system · One solution

We emphasize the features - DCLink system description

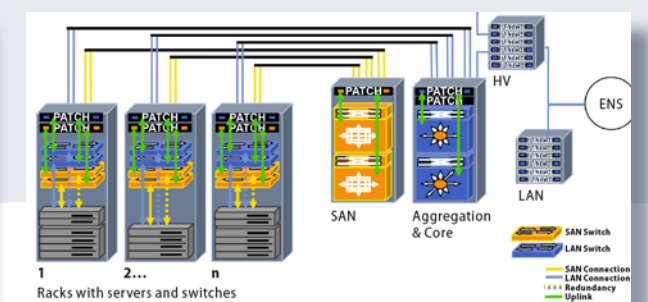
The DCLink system was specifically developed for the continuously growing bandwidths and changing applications in data centers and the data center environment. Standardization in the data center is continuously advancing in passive network technology for applications in the area of copper and fibre optic cables and Gbit/s connection technology, driven by IEEE 802. The new standards for 40 Gbit/s and 100 Gbit/s were already publicized in 802.3 and plans for additional bandwidth advancements are already in progress. In addition to fiber optic systems, there is an enhanced technological and commercial reliance on copper system solutions for connection of servers, etc. A large consortium (Google, Microsoft) is also promoting considerations of changing over to 25/50 GbE in certain areas. Therefore, a technologically sound and commercially justifiable migration strategy which enables users to change over to a system of both technologies - fiber optic and copper cable structures - is indispensable for current and future applications. In this connection, users can safeguard their investment and gain high flexibility in terms of MAC (**M**oves of equipment, **A**dds of equipment, **C**hanges of equipment).

As a leading developer and manufacturer of passive system technology, Leoni Kerpen has continued along its trend-setting course with the development of the new DCLink system in order to meet current and future requirements to the full extent. The innovative system is used especially for Top-of-Rack and End-of-Row topologies with regard to server / switch connection.

End-of-Row



Top-of-Rack



The requirements for the following transmissions pathways in the data center are specified under the name IEEE 802.3bq:

- EoR/MoR: server-switch links up to 30 m with 2 plug connectors over copper
- Migration-compatible with 12-fiber OM3/OM4 fiber optic cable (End-of-Row cabling)

The introduction new Ethernet standard was essentially necessary on the shortcomings of earlier solutions according to IEEE 802.3ba for 40 Gbit/s applications:

- ToR: 'Port to Port' Links using patch cables from 5 m to 10 m

The Potential

The setup and modification of data centers ties up enormous resources for investors. For this reason, time is a very critical and valuable factor. The goal was to develop a scalable, migration-compatible cabling system which offers 100 % installation and transmission assurance in combination with very efficient installation while still permitting any future modifications (MAC).

Copper



MC100-Trunk cable, pre-assembled

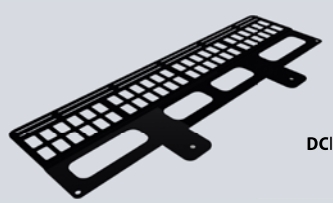
Module Rack & Accessories



DLink Module Rack 1 RU



DLink Module Rack 3 RU



DLink Cable strain relief



DLink Cable tray, removable front



DLink Labeling field for cable tray



DLink Blind cover 3.5 HP

Copper



10 Gbit/s



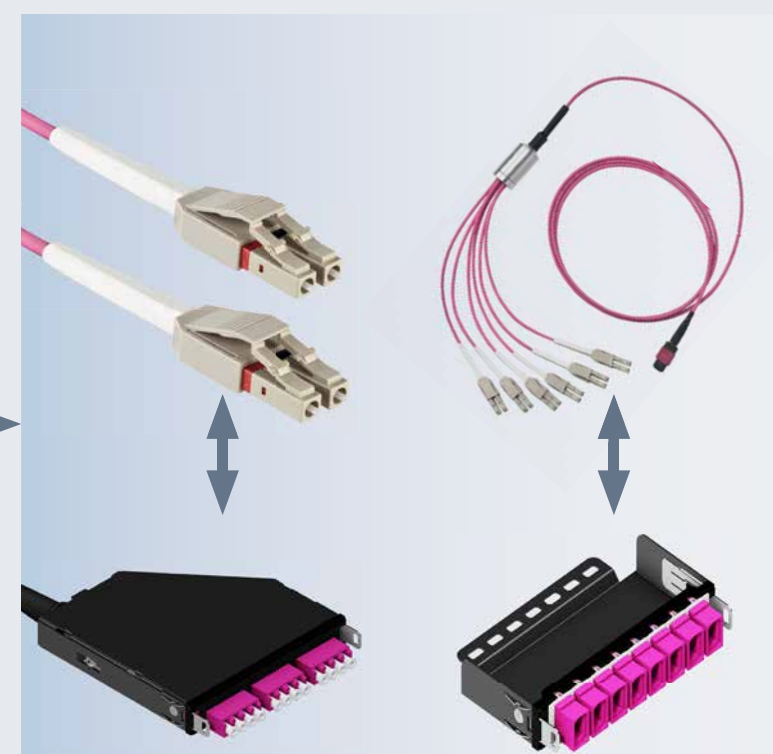
40 Gbit/s



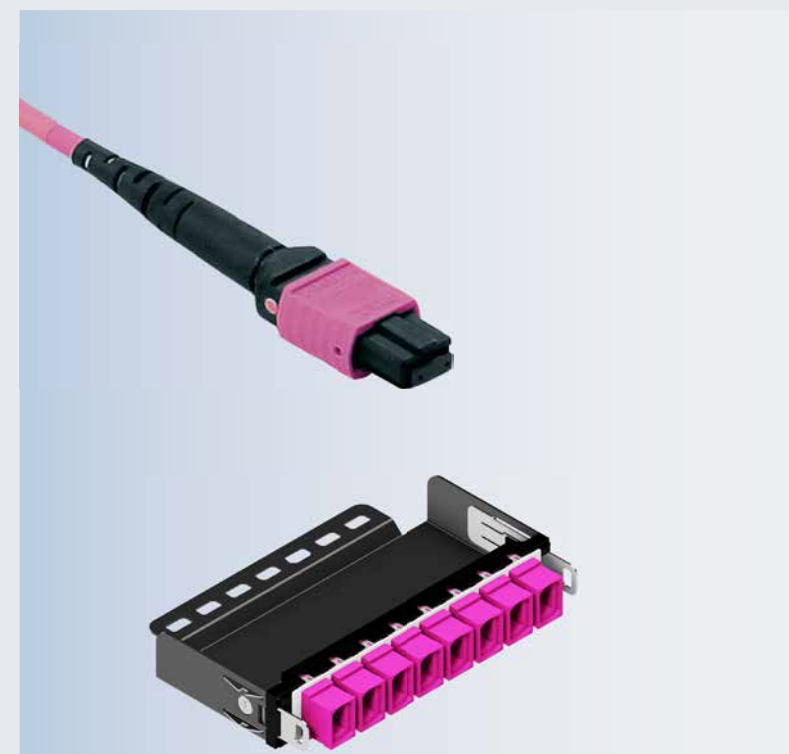
MTP-Trunk cable, pre-assembled

Fiber optic

Module Rack & Accessories



Fiber optic

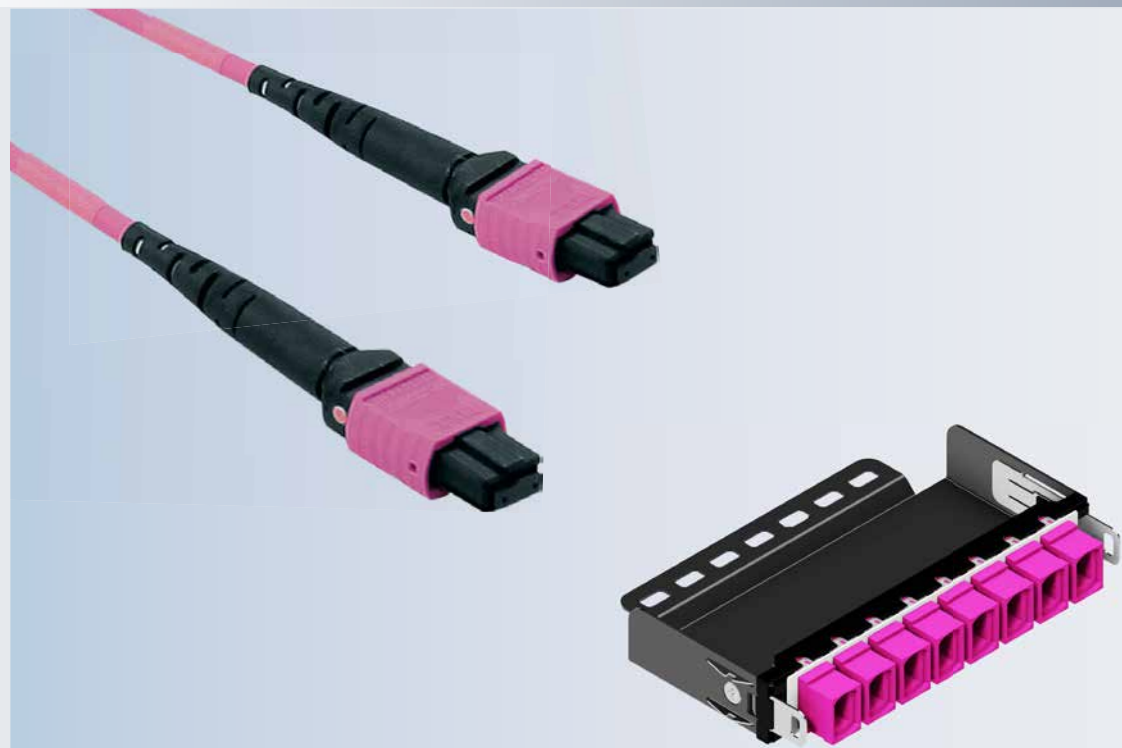


Copper

The future firmly in sight - the 100 Gbit/s solution

We see the demands of tomorrow and are already developing the 100 Gbit/s solution in copper technology for you today.

100 Gbit/s



Fiber optic

Copper-Link

Pre-assembled trunks	Order no.
MegaLine® Connect100, 10-40 Gbit/s	LKD 9A06 1972 0000
Jack modules	
MegaLine® Connect100 RJ45, 10 Gbit/s	LKD 9A90 2010 0000
MegaLine® Connect100 4K7A, 40 Gbit/s	LKD 9A90 2030 0000
MegaLine® Connect100 ARJ45, 40 Gbit/s	LKD 9A90 2020 0000
Patchcords*	
MegaLine® Patch 6AEA RJ45, 3.0 m, grey, 10 Gbit/s	LKD 9AA2 3025 0000
MegaLine® Patch ARJ45-RJ45, 3.0 m, grey, 10 Gbit/s	LKD 9A08 0106 0000
MegaLine® Patch TERA-RJ45, 3.0 m, grey, 10 Gbit/s	LKD 9A04 0041 0000
MegaLine® Patch ARJ45-ARJ45, 3.0 m, grey, 40 Gbit/s	LKD 9A08 0102 0000
MegaLine® Patch TERA-TERA, 3.0 m, grau, 40 Gbit/s	LKD 9A04 0034 0000

* further lengths and colours on request

Module Rack & Accessories

Pre-assembled trunks	Order no.
DLink Module Rack 19", 1 RU, straight fix	LKD 9500 0001 0000
DLink Module Rack 19", 3 RU, straight fix	LKD 9500 0003 0000
DLink Cable strain relief for back straight rack	LKD 9500 0007 0000
DLink Cable tray with removable front plate, incl. hook & loop tape	LKD 9500 0004 0000
DLink Labling field for cable tray	LKD 9500 0005 0000
DLink Blind cover 3.5 HP	LKD 9500 0010 0000
DLink Labling field 19" for Blind cover 3.5 TE	LKD 9500 0011 0000

Fiber optic-Link

Pre-assembled trunks 10-100 Gbit/s, 10 m*	Order no.
GigaLine® Trunk OM4 8MTP/m 8x12	LKD 95T7 0010 0000
GigaLine® Trunk OM4 2MTP/m 2x12	LKD 95T4 0010 0000
GigaLine® Trunk OM4 1MTP/m 1x12	LKD 95T1 0010 0000
DLink LC/MTP-Modules	
GigaLine® DClinc-Module OM4 3xLC Quad-1x;TP 3.5 RU (1:1)	LKD 95E0 0002 0000
GigaLine® DClinc-Module OM4 3xLC Quad-1x;TP 3.5 RU (x-x)	LKD 95E0 0001 0000
GigaLine® DClinc-Module OM4 8xMTP	LKD 95E0 0004 0000
Patchcords* 10 Gbit/s, 2 m	
GigaLine® Patch OM4 LCD uniboot - LCD uniboot	LKD 9A11 0877 0000
GigaLine® Patch OM4 LCD uniboot HD - LCD uniboot HD (Lasche)	LKD 9A11 1797 0000
GigaLine® Patch OM4 6 LCD uniboot - 1 MTP/f (1:1)	LKD 95P1 0010 0000
GigaLine® Patch OM4 6 LCD uniboot - 1 MTP/f (x:x)	LKD 95PX 0010 0000
Patchcords* 40 Gbit/s	
GigaLine® Patch HQ-12 OM4 1 MTP/f (x)	LKD 95PM 4002 0000
Patchcords* 100 Gbit/s	
GigaLine® Patch HQ-2x12 OM4 2 MTP/f-2 MTP/f (x)	LKD 95PM 7002 0000

Find out more:

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