

High speed to the antenna with 10 to 100 G interconnections



LEONI

High speed mobile network solutions

Ever increasing mobile bandwidth calls for broadening the required capacity in wireless backhaul and data networks.

LEONI provides a wide range of connecting components to suit these requirements the most reliable way.

Our ready-to-install and resilient copper, fiber optic and hybrid solutions are future-proof data highways for 10 – 100 Gbit/s and beyond. They transfer data at high speeds securely to equip existing and new wireless backhaul networks the superior performance for 5G.



High speed data center solutions

LEONI's industry-leading high speed cable technology enables us to provide superior point-to-point solutions transmitting up to 400 Gbit/s between servers, routers and switches.



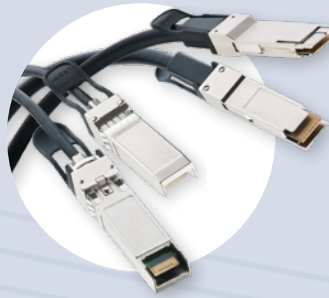
AOC*



- SFP and QSFP versions
- supporting 10, 40, 100 Gbit/s
- compliant to SFF-standards
- industrial temperature range:
– 40 to +85 °C
- maximum link length
of 300 m on OM3 MMF
- outdoor FO cable, UV-resistant

*Active optical cables

DAC**



- SFP and QSFP versions
- supporting 10 – 400 Gbit/s
- compliant to SFF-standards
- industrial temperature range:
– 40 to +85 °C
- several breakout versions
(QSFP-SFP)
- outdoor compatible
– 40 to +80 °C

**Direct attached copper cables

Transceiver modules



- SFP and QSFP versions
- supporting 10, 40, 100 Gbit/s
- compliant to SFF-standards
- industrial temperature range:
– 40 to +85 °C
- maximum link length
of 300 m on OM3 MMF

Hybrid/FO, Cat, Power



- combined data fiber
or copper cables with power lines
- ready assembled
in customised lengths
- various combinations available
- pull mechanism and sealing
solutions
- outdoor version: – 40 to +80 °C
- flame retardant, halogen free

Data cables



- copper data cables
- Cat5, Cat6, Cat7
- complete assemblies
- indoor or outdoor connectors
- outdoor version: – 40 to +80 °C
- flame retardant, halogen free

Coaxial RF cables



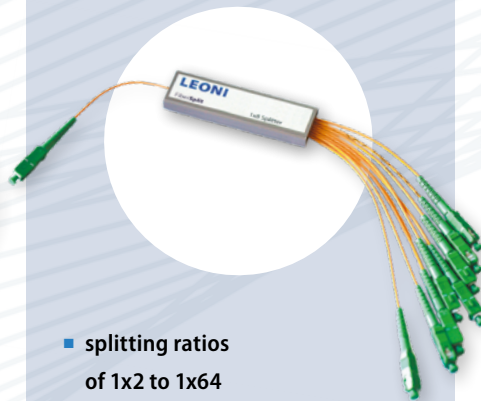
- corrugated feeder cables
- coaxial RG cables
- complete assemblies
- various connector versions
available
- supporting frequencies
up to 12 GHz
- outdoor version: – 40 to +80 °C
- flame retardant, halogen free

Fiber optic patch cables



- outdoor fiber optic cables
- terminated with LC/ST/MPO connectors
- several breakout versions available
- MMor SM mode fibers
- low insertion loss by using LEONI fibers
- armored version
- outdoor version: -40 to $+80^{\circ}\text{C}$
- flame retardant, halogen free

Fiber optic splitter and coupler



- splitting ratios of 1×2 to 1×64
- very low insertion loss
- widest bandwidth ($780\text{ nm} - 1060\text{ nm}$ or $1260\text{ nm} - 1650\text{ nm}$)
- small, rugged metal housing
- exceptional long-term stability

Easy installation
with full assembled cable kits

Hybrid solutions combine
data and power in one cable

Suitable for
outdoor and indoor
applications

Power cables



- all AWG sizes
- screened or unscreened
- smallest diameters
- terminated on request
- high flexibility
- outdoor version: -40 to $+80^{\circ}\text{C}$
- flame retardant, halogen free

Accessories



- cable clamps
- grounding kits
- waterproof solutions
- installation tools

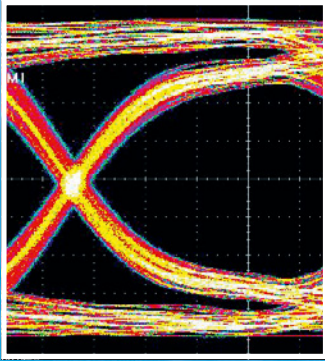
Operating temperature:
 -40°C to $+80^{\circ}\text{C}$

UV resistant

Flame retardant

Armoring versions
available

Clearing the way for 5G with...



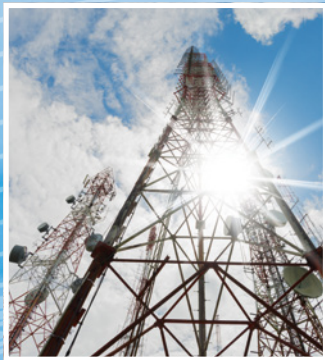
Superior transmission performance

Excellent electrical and mechanical characteristics of harmonised components and assembling technologies make our connections the reliable and durable high ways for high bandwidth data transmission.



Easy installation

Our products are supplied fully assembled and ready-to-install. We provide full assembled cable kits to speed up the installation time.



Multiple options

We offer unlimited design, jacket and assembly options to optimise our products for indoor and outdoor use in a temperature range of -40 to $+80^{\circ}\text{C}$ with superior UV-resistance. Specifications are agreed with our customers to suit their requirements the most efficient way.

We are looking forward to combining your ideas with our expertise in connecting: to clear the way for 5G.

Find out more:

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