

# High speed to the antenna with 10 to 100 G interconnections



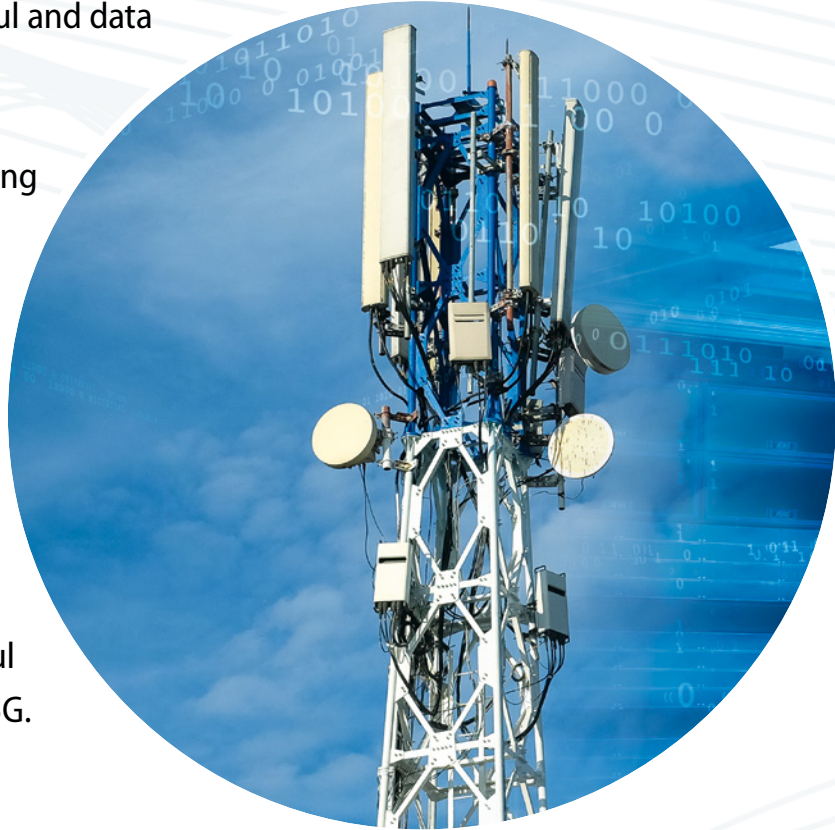
**LEONI**

# 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.



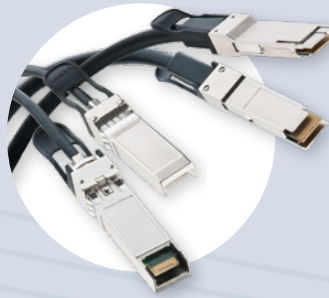
## AOC\*



- 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



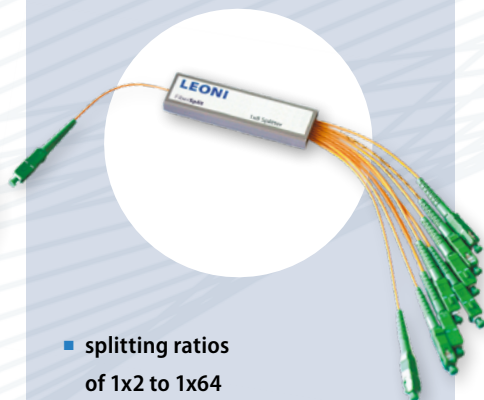
- corrugated feeder cables
- coaxial RG cables
- complete assemblies
- various connector versions  
available
- supporting frequencies  
up to 12 GHz
- outdoor version: – 40 to +80 °C
- flame retardant, halogen free

### 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 °C
- flame retardant, halogen free

### Fiber optic splitter and coupler



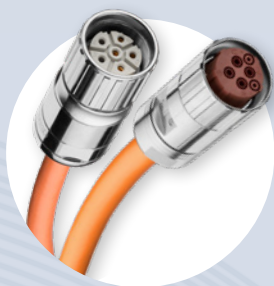
- splitting ratios of 1x2 to 1x64
- very low insertion loss
- widest bandwidth (780 nm – 1060 nm or 1260 nm – 1650 nm)
- small, rugged metal housing
- exceptional long-term stability

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 °C
- flame retardant, halogen free

### Accessories



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

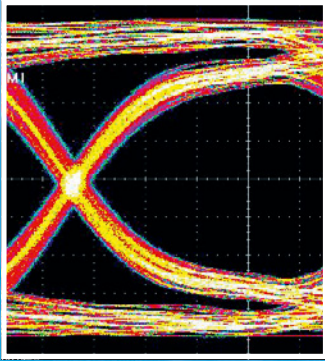
Operating temperature:  
–40 °C to +80 °C

UV resistant

Flame retardant

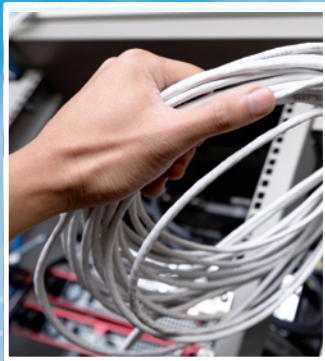
Armoring versions  
available

# Clearing the way for 5G with...



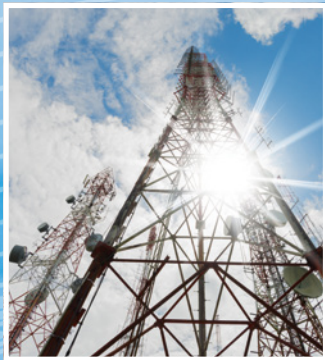
## Superior transmission performance

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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