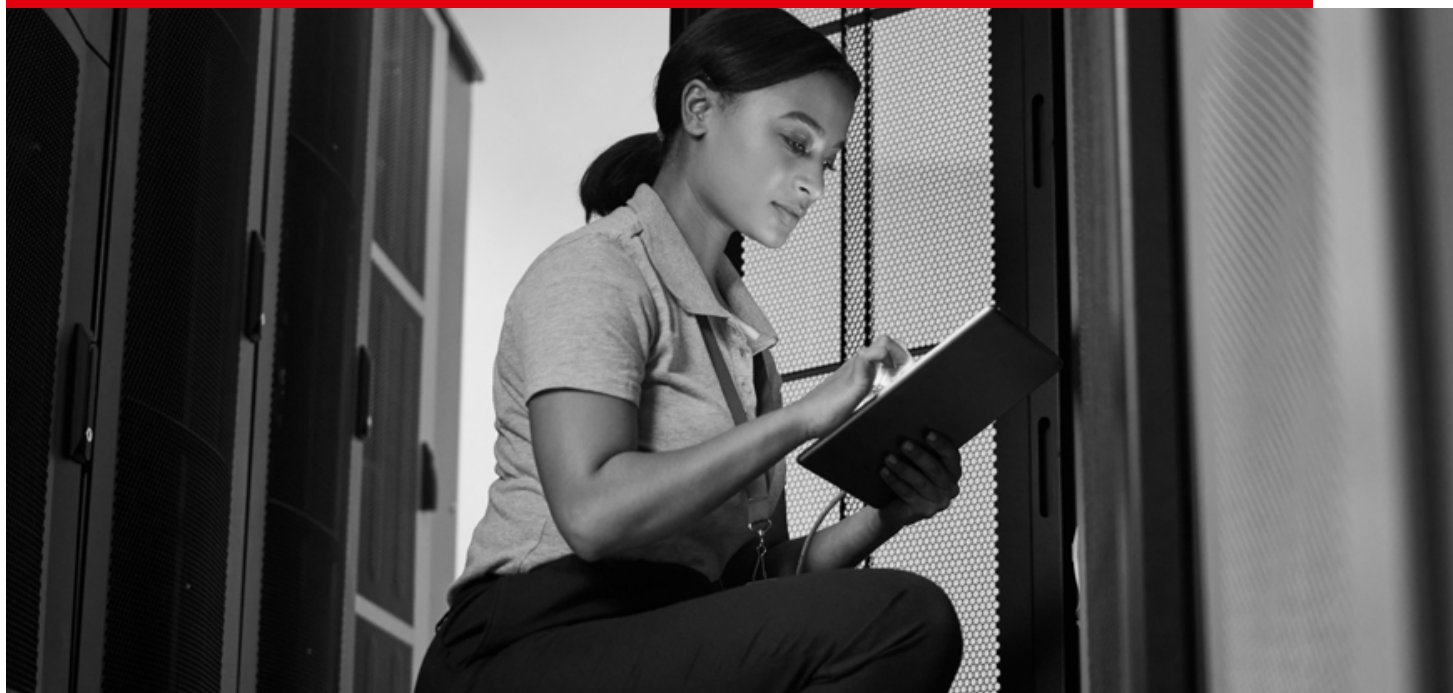




Cost efficiency without sacrifice

NETWORK CABINETS AT THE BEST PRICE- PERFORMANCE RATIO



THE GERMAN
**DEVELOPER
AND PRODUCER**
FOR OUTSTANDING
NETWORK-PERFORMANCE

CobiNet network racks RS18

YOUR BENEFITS – FROM COSTING TO IMPLEMENTATION

Innovative and modular

The CobiNet RS18 network cabinet system offers a wide range of features that provide maximum flexibility and cost control, whether used as a single cabinet or in a data center environment.

The optional pre-assembly service by CobiNet gives you the opportunity to accelerate your project timelines, reduce costs, and simplify on-site logistics. In addition, you benefit from optimized waste management with significantly less packaging material on the construction site.



ALWAYS THE PERFECT MODEL FOR YOUR NEEDS

One platform – three flexible equipment variants

The RS18 server and network cabinets are available in versions to suit every requirement. Choose between the cost-effective entry-level model, the fully equipped standard version with base and three-piece floor panel, or the Plug & Play Version, delivered from the factory with all components for cabling, electrification, and cable management, precisely according to your specifications.



Entry version

- **For the cost-conscious,** sharply calculated
- **Flexible choice included** – six door variants for front and rear, all at the same price



Fully equipped version

- **Flexible choice included** – six door variants for front and rear, all at the same price
- **More space for cable reserves and optimized airflow** thanks to the integrated 10 cm base
- **Flexible adaptation to the installation environment** through a modular, three-piece floor panel



Plug & Play Version

- **Save time, resources, and costs during installation** with factory preassembled components tailored to your exact specifications
- **Flexible choice included** – six door variants for front and rear, all at the same price
- **More space for cable reserves and optimized airflow** thanks to the integrated 10 cm base
- **Flexible adaptation to the installation environment** through a modular, three-piece floor panel

DEVELOPED FOR HIGHEST LOADABILITY

Rely on the stability and reliability
of the RS18 platform

modern network and server cabinets not only have to accommodate an ever-increasing amount of cabling, but also meet the demands of today's servers, which continue to grow heavier despite their more compact designs.

With a load capacity of 1.5 tons, RS18 network Racks provide ample strength to safely accommodate passive and active network components. Additional capacity is also available for future extensions or modifications with further installations.



FREEDOM OF CHOICE WITHOUT HASSLE

6 door variants at a uniform price

To make your decisions as easy as possible, we offer you the flexibility to choose both front and rear doors from six different designs – all at the same price.

With our “six door variants – one price” option, you can fix your procurement costs while remaining flexible if project requirements change. Whether due to new spatial conditions or additional ventilation needs, you can switch door types at any time without incurring extra costs, and without having to adjust your budget.



SIMPLE TIME AND COSTS SAVE

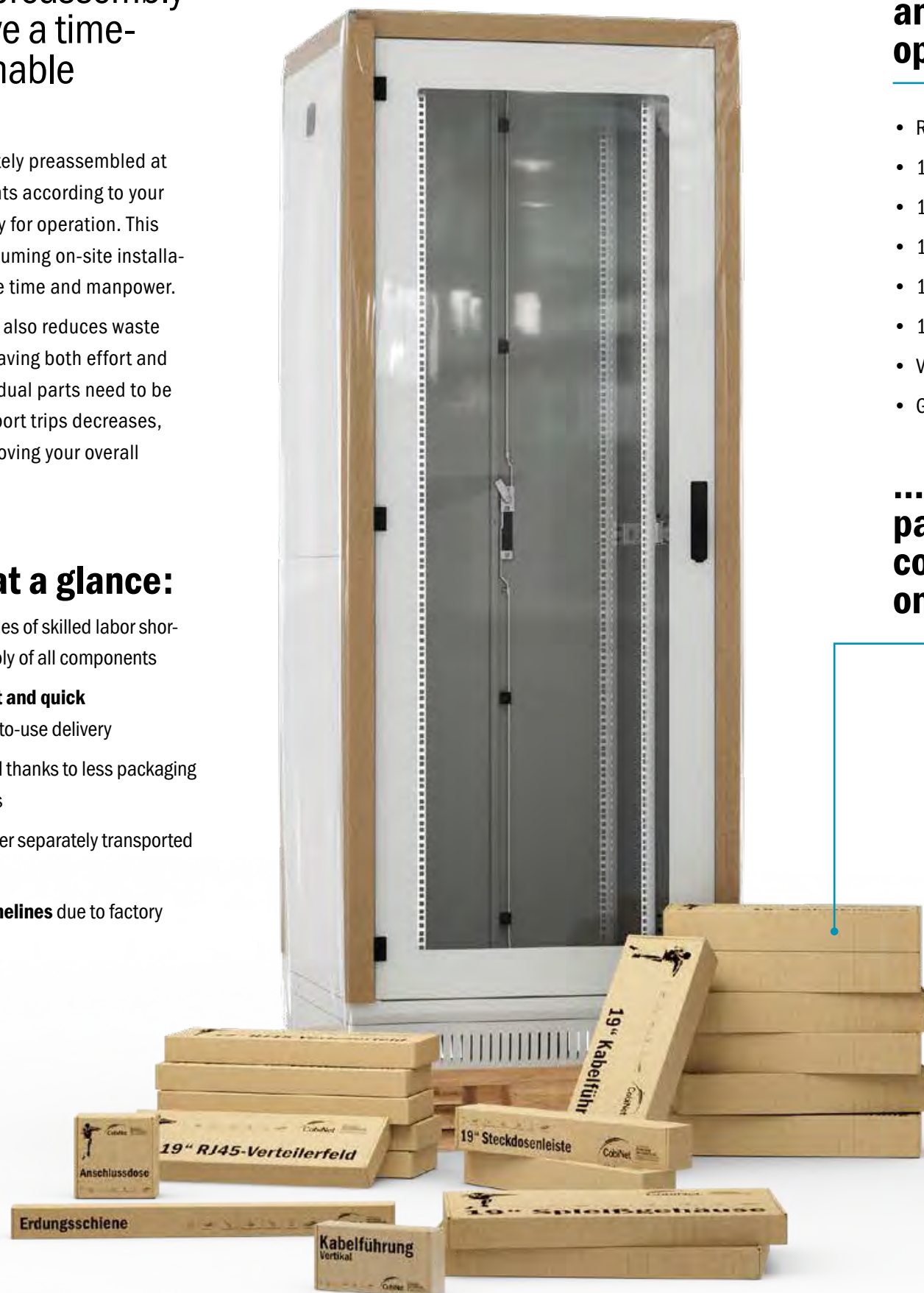
With the CobiNet preassembly service, you receive a time-saving and sustainable solution

The network cabinets are completely preassembled at the factory with all 19" components according to your specifications and delivered ready for operation. This eliminates the need for time-consuming on-site installation, allowing you to save valuable time and manpower.

Delivery as a fully assembled unit also reduces waste disposal at the installation site, saving both effort and disposal costs. Since fewer individual parts need to be transported, the number of transport trips decreases, reducing CO₂ emissions and improving your overall carbon footprint.

Your advantages at a glance:

- **Saves time and resources** in times of skilled labor shortages through factory preassembly of all components
- **No additional installation effort and quick commissioning** thanks to ready-to-use delivery
- **Reduced on-site waste disposal** thanks to less packaging compared to individual deliveries
- **Lower CO₂ footprint** through fewer separately transported items
- **Significantly shorter project timelines** due to factory preassembly



Delivered assembled and ready for operation ...

- RS18 Network cabinet
- 19" Power strips
- 19" Blind panel
- 19" Fibre optic splice housing
- 19" Copper patch panel
- 19" cable guide
- Vertical cable guide
- Grounding bar

... or in individual parts for time and costly assembly on site



EXTRA INSTALLATION SPACE THROUGH (19")³

Additional installation space for maximum flexibility

The RS18 offers up to 46 additional height units with its innovative (19")³ design, which can be equipped with standard 19" components.

This provides significantly greater capacity and flexibility when installing your IT equipment.

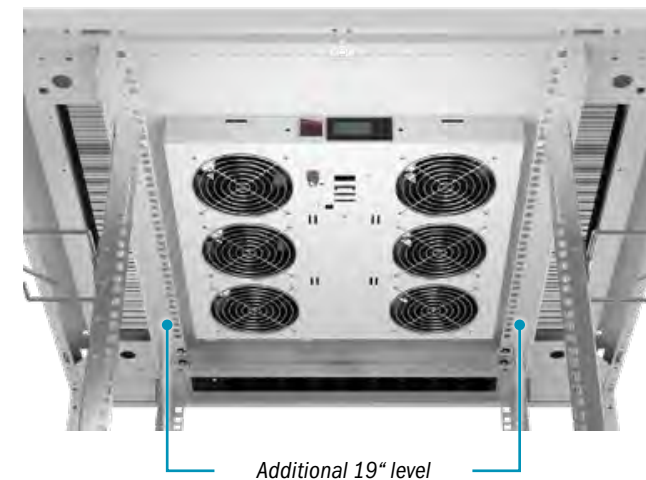
Thanks to the (19")³ concept, a true three-dimensional installation design becomes possible — allowing components to be mounted not only at the front, rear, and sides, but also in the roof and floor areas of the cabinet. This lets you make optimal use of the entire interior space.



Additional height units in the roof and floor through third 19" level

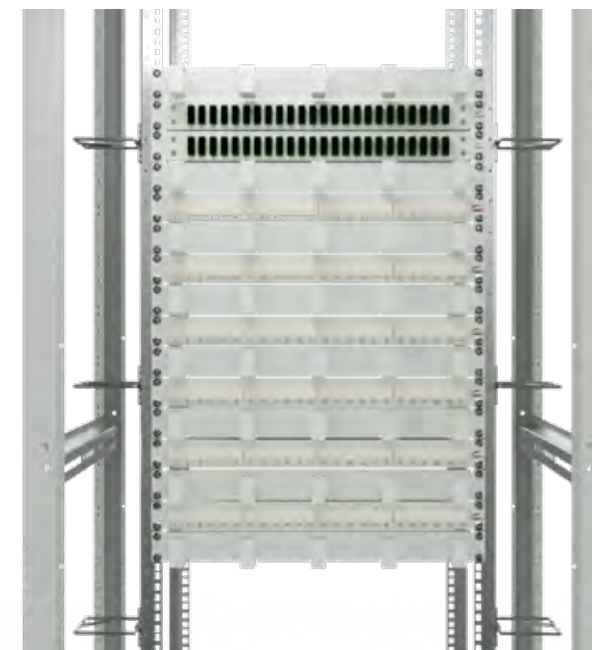
Depth Extra Rack units (Top/Bottom)

800 mm	14 RU each
1000 mm	19 RU each
1200 mm	23 RU each



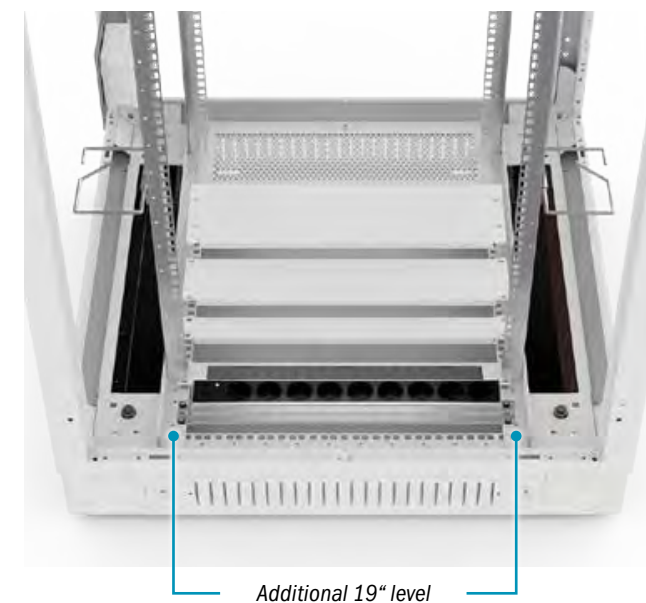
Roof

- **Easy, dust-protected cable entry** through generous openings along almost the entire cabinet depth
- **Flexible integration of additional 19" components** by using the extra 19" level, for example for power distribution units or cable management
- **Simple retrofitting of fan units** thanks to the preconfigured roof panel



Interior fittings

- **Generous space** for organized and clearly structured cable management, even with large cable volumes, thanks to a wide range of cable management solutions
- **Efficient ventilation and quiet operation** ensured by high-performance, low-noise fan units. Installation of active cooling systems available on request
- **Easy integration of heavy components** with a comprehensive selection of heavy-duty rails
- **Flexible power distribution** for all requirements through a broad range of standard power distribution units (PDUs), with intelligent PDUs available on request



Floor

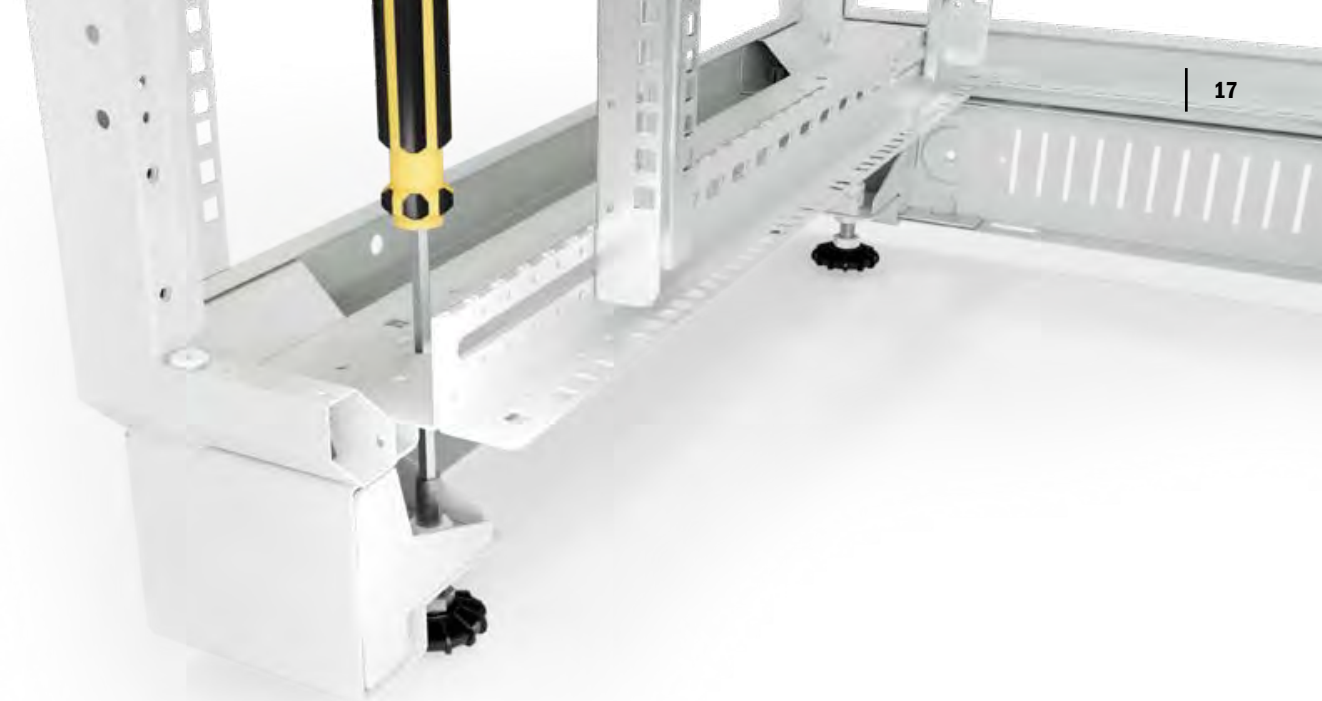
- **Flexible design of the floor area** through a modular, three-piece floor panel
- **Easy, dust-protected cable entry** via generous openings running along almost the entire cabinet depth
- **Flexible integration of additional 19" components** by using the extra 19" level, for example for power strips or cable management elements
- **Easy adjustment of the cabinet on uneven floors** thanks to the base system with internally adjustable leveling feet

INSTALLATION, ALIGNMENT AND EXPANSION – NO PROBLEM

Whether as a single cabinet or a row

Whether you operate just a few IT components or a complete data center, CobiNet network cabinet solutions offer maximum flexibility and user-friendliness for the optimal integration of your infrastructure.

Thanks to its well-thought-out design, the RS18 cabinet system enables quick and easy setup, precise alignment, and fast commissioning – whether used as a single cabinet or as part of a cabinet row.



Your advantages at a glance:

- **Easy height adjustment** – internally adjustable leveling feet allow precise alignment on uneven floors
- **Time- and cost-saving assembly** – all components and side panels can be easily installed by a single person
- **Optimized handling of large cabinets** – starting from a height of 36U, lockable two-piece side panels enable easy installation and improved accessibility
- **Flexibility and scalability** – the RS18 system can be seamlessly expanded to meet growing IT requirements through cabinet baying

SHARING – MADE SAFE

Secure access for
multiple users

Specifically developed for high-security areas in data centers, educational and research institutions, and commercial buildings.

The CobiNet colocation network cabinet maximizes space utilization by allowing multiple users to share a single cabinet. This solution is particularly advantageous when users do not have enough hardware to occupy an entire cabinet.

Thanks to CobiNet's extensive portfolio of colocation network cabinets, you will find the right version for almost any application, enabling you to adapt your infrastructure flexibly and efficiently.

Your IT as secure as in a safe

- **High protection against unauthorized access** to cabling through separate cable entries from both the top and bottom
- **High level of security and effective protection** against unauthorized access thanks to the three-point door locking system



EMKA

TANlock

Kentix

Optional access control for maximum security

- **High door compatibility** through standardized hole patterns for easy retrofitting with common electronic locking systems

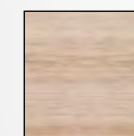
REDUCE NOISE DISTURBANCE – MAXIMIZE PRODUCTIVITY

Soundproof network cabinets – quiet and perfectly integrated

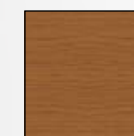
Sound-insulated network cabinets and wall enclosures are the ideal solution when noise-generating network components need to be installed directly in work areas where no separate server room is available.

Thanks to their effective acoustic insulation, they help create a quieter, more pleasant working environment by reducing noise levels by up to 15 dB(A).

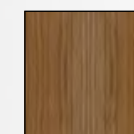
As a rule of thumb: a reduction of 10 dB(A) is generally perceived by the human ear as a halving of the volume.



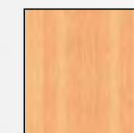
Birch wood



Walnut wood



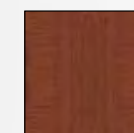
Teak wood



Beech wood



Oak wood



Cherry wood



Whisper-quiet, with a stylish living-room look

- Discreet integration into office environments thanks to a wide range of wood front designs
- Enhanced sound insulation through the use of solid wooden doors

DESIGNED FOR HARSH ENVIRONMENTS

Robust quality for industrial applications – IP55 protection

CobiNet network cabinets and enclosures with IP55 protection rating are specially designed for demanding industrial environments. With three-point locking systems on the front and rear doors and a comprehensive sealing system, they provide outstanding protection against water jets and dust in accordance with IP55 standards.



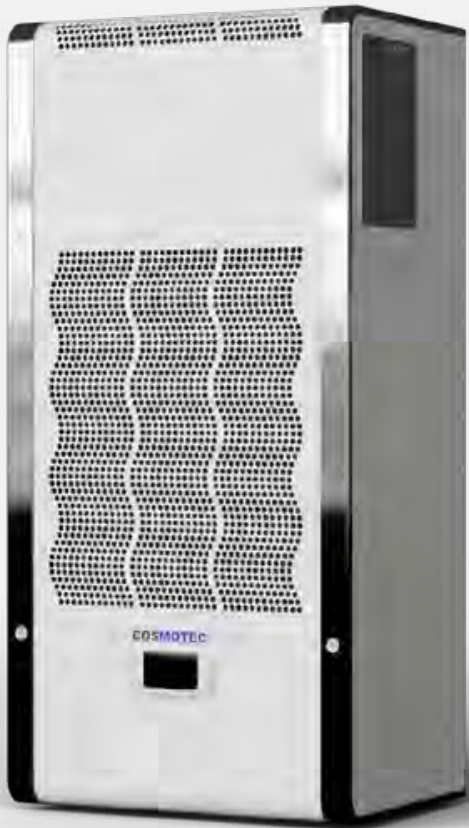
ALWAYS
KEEP COOL

Reliable active cooling for your network components

CobiNet offers the option to customize IP55 network cabinets to accommodate climate control units from various manufacturers. We are happy to support you in selecting the right cooling system for your specific application. In cooperation with our partners, we can provide tailored advice and individual solutions to meet your cooling needs.



Product example



- **Flexible for any location:** Cooling units for indoor and outdoor applications
- **Efficient cooling performance for a wide range of requirements:** available with capacities from 360 W to 5600 W
- **Compatible with various power supplies:** available for 115 V, 230 V, 400 V, and 460 V
- **Highest safety standards:** certified according to CE, UL, and EAC
- **Enhanced control and monitoring:** optionally expandable with a remote monitoring system
- **Safe and reliable** in demanding environments: protection classes IP54 and IP55

	Cooling capacity [W]	Power supply			
	@L35L35 230V/50Hz	115-1-60	230-1-50/60	400-2-50 460-2-60	400-3-50 460-3-60
CVE03	360	●	●		
CVE05	550	●	●	●	
CVE07S	800		●		
CVE08	850	●	●	●	
CVE11	1100	●	●	●	
CVE15	1500	●	●	●	●
CVE15S	1500		●		●
CVE20	2100	●	●		●
CVE25S	2550		●		●
CVE30	3000		●		●
CVE40	4000		●		●
CVE60	5600				●

FOR SPECIAL REQUIREMENTS

Enclosures for optimized climate control and secure access to your network components

Each enclosure is custom-built to your specifications, ensuring perfect compatibility with your installed cabinets. You benefit from a custom-made solution precisely adapted to your operational requirements.

All enclosure components are flame-retardant, meeting fire protection standard B1. This provides reliable protection against fire hazards and ensures a safe operating environment for your equipment.

Optimal cold/hot aisle separation

- **Effective separation of cold and hot aisles** through air guide plates inside the cabinets
- **Reduced operating costs and improved energy efficiency** thanks to optimized airflow

Optional access control for maximum security

- **High security and reliable protection** against unauthorized access through three-point door locking systems
- **Highly compatible door design** with standardized hole patterns for easy retrofitting with common electronic locking systems

Available on request



EMKA



TANlock



Kentix

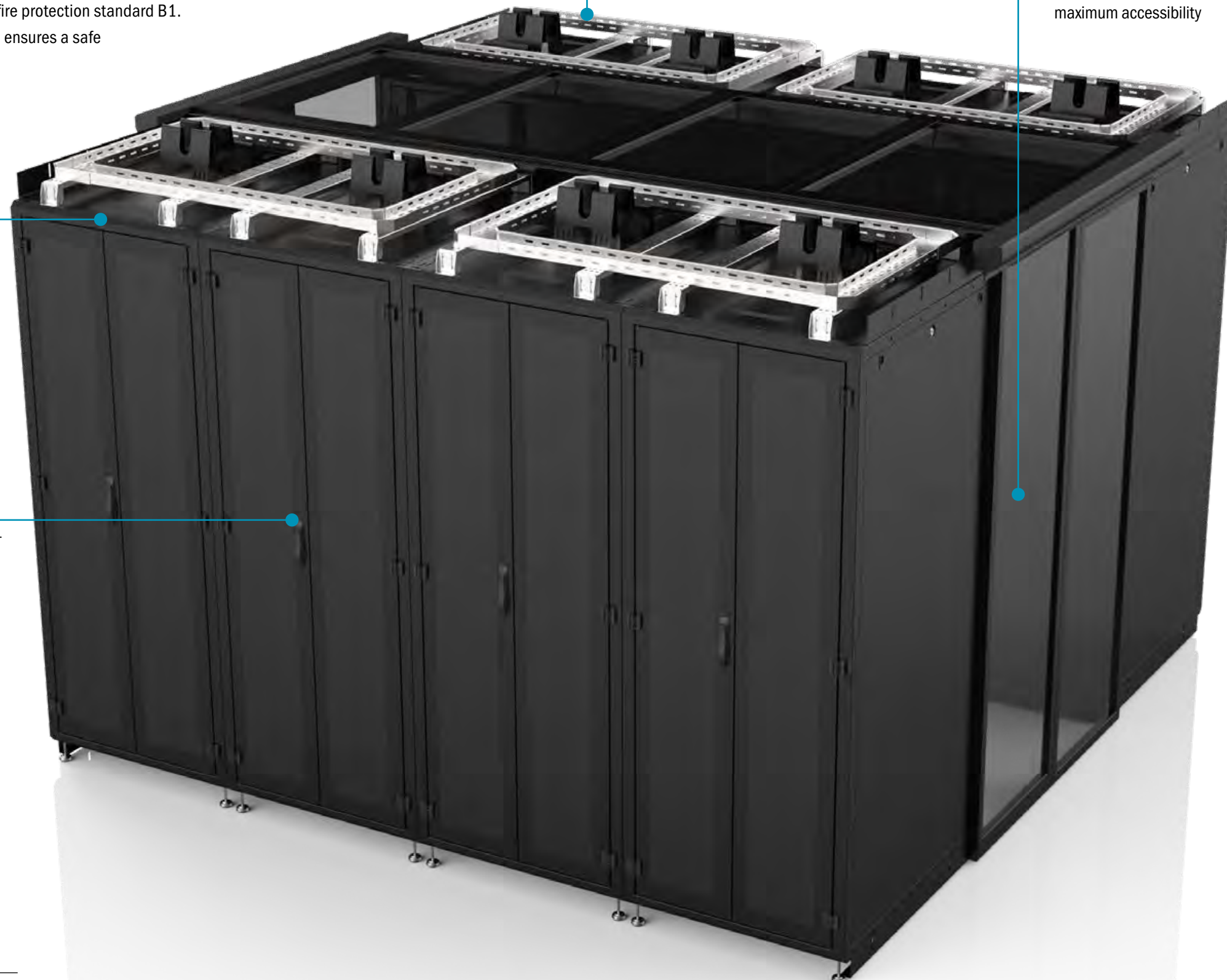
Product examples

Cable management

- **Minimized risk of cable damage** through protected, bend radius-compliant routing
- **Organized and secure cable management** with roof-mounted cable trays
- **Easy access for modifications and expansions** thanks to the open tray design

Access control

- **High security and protection** against unauthorized entry through sliding doors made of welded steel profiles and 6 mm safety glass
- **Effectively controlled and documented access** using optional electronic access systems
- **Convenient entry** with wide-opening doors for maximum accessibility



Product example

TAILORED TO YOUR SPECIFICATIONS

Perfectly aligned with your individual requirements

Does your project require a solution that cannot be realized with our standard enclosures? No problem!

With our custom enclosure development, we offer you the opportunity to create a product that meets all your specific requirements.

Our experienced development team works closely with you to design the optimal solution, with meticulous attention to detail to ensure that every aspect of your requirements is fulfilled. From the first sketch to the final implementation, you are fully involved in every stage of the process.

Your advantages at a glance:

- Customised enclosure solutions, also available for small series production
- Direct collaboration with our development specialists
- High flexibility and quick adaptability
- Efficient implementation, even for complex requirements

Project example 1:

Custom outdoor cabinet for solar park control units

The robust, durable construction made of galvanized sheet steel ensures long-term reliable operation, even under adverse weather conditions. With its IP55 protection rating, the cabinet provides optimal protection for active components against dust and water jets.



You can download the **network cabinet** catalog at www.cobinet.com/downloads or request a printed version

Project example 2:

Passively ventilated network cabinet with soundproof hood

A custom-designed server cabinet featuring passive ventilation while simultaneously minimizing unwanted noise through the use of sound-absorbing insulation panels.



Do you need support for your specific requirements?

We're here to help!

E-Mail: kontakt@cobinet.com | Phone: +49 6203 4900-0

FOR THE RIGHT CONNECTION

Passive and intelligent PDUs

PDUs (Power Distribution Units) in network cabinets ensure safe and efficient power distribution for active components.

CobiNet offers a wide range of passive PDUs, and in cooperation with our partners, we also provide intelligent PDUs from various manufacturers, tailored to your specific requirements.



SMALL ENCLOSURE, BIG PERFORMANCE

RS18 wall-mounted enclosures provide a compact home for your IT infrastructure, preconfigured on request and delivered on time.



Available in many variants and, upon request, in a wide range of RAL colors



EFFICIENCY AND QUALITY FOR PASSIVE DATA NETWORK INFRASTRUCTURE

As a developer and manufacturer with its own production and assembly sites in Germany, China, and Romania, CobiNet offers not only network cabinet solutions, but also components for the entire passive data network infrastructure of buildings.

In times of skilled labour shortage, efficiency alongside products with high Price-performance ratio has become a decisive competitive advantage.

A large number of suppliers for different trades often leads to significant additional effort in project management: requesting quotations, negotiating purchases, checking availability, and coordinating delivery schedules, all to ensure that every component arrives on time and in the right order. CobiNet significantly reduces this effort.

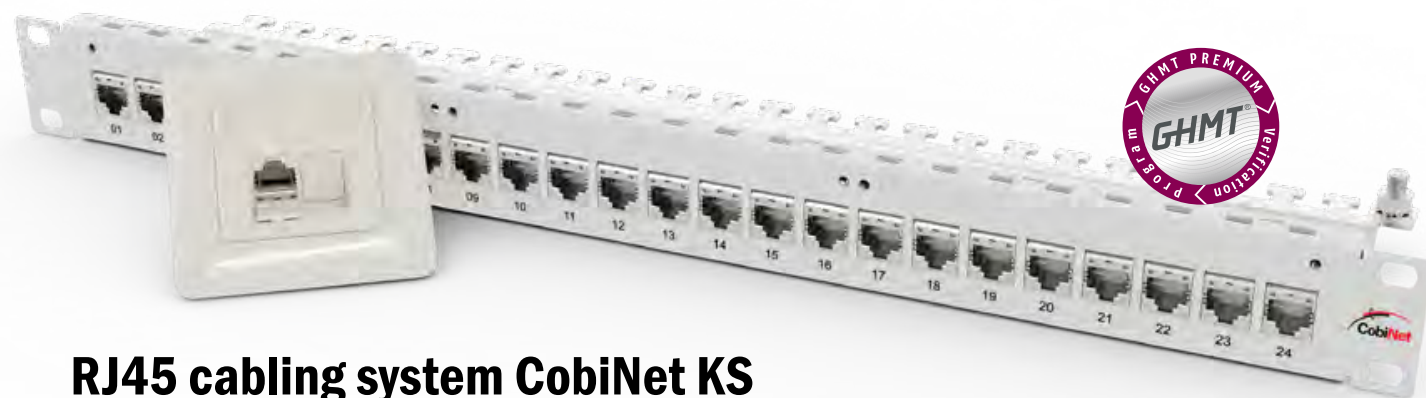
With our complete passive data network infrastructure from a single source, we serve as your central contact partner for all trades – from quotation to delivery.

Our easy-to-install, perfectly matched cabling solutions include:

- Copper and fibre optic connection technology, including pre-assembled trunk cables from German and European production
- Fibre optic pigtails and patch cables from our own manufacturing facilities
- Fibre optic and copper installation cables

Your advantages:

- **Everything fits together perfectly** – from network cabinet to cabling
- **High competitiveness** through excellent price-performance ratio
- **Single point of contact** for scheduling and delivery coordination



RJ45 cabling system CobiNet KS

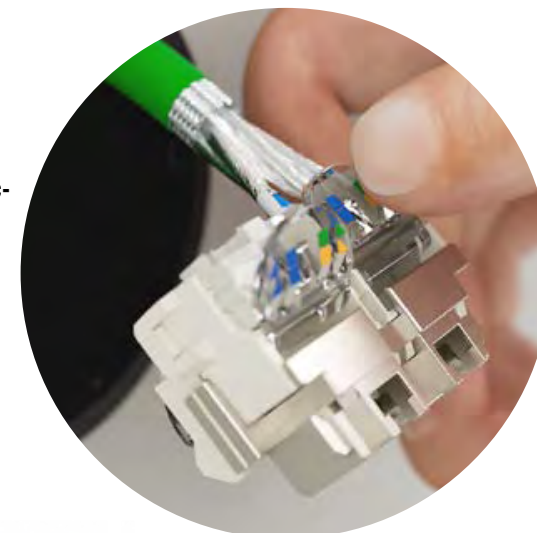
The CobiNet RJ45 data jack in Keystone format has proven itself millions of times in practice, delivering maximum reliability thanks to 100% electrical testing and GHMT certification * (Premium Verification Program). It features flexible cable entry (180° / 90° via optional adapter), compatibility with most switch ranges, and PoE support up to 100 watts.

* Cat. 6A data jack

RJ45 cabling system RJ45-TL®

The RJ45-TL® system enables effortless installation thanks to its intuitive lever mechanism for quick, tool-free wire termination and easy error correction.

It offers significant cost advantages compared to individual data jacks and provides high compatibility with all common switch programs. All components ensure reliable operation with performance reserves well above current standards and are Category 6A certified (type approval by GHMT AG). Additionally, they support Power over Ethernet (PoE) applications up to 100 watts.



Made
in Germany

Copper installation cables

CobiNet copper installation cables “Made in Germany” deliver reliable performance for data networks with transmission capacities from 1 to 25 Gbit/s.

They are available in simplex and duplex versions, from Category 7 to Category 7A (AWG23–AWG22). Depending on the model, all cables support PoE and 4PPoE applications up to 100 watts. In addition, they are available in various fire protection classes according to the EU Construction Products Regulation (CPR).

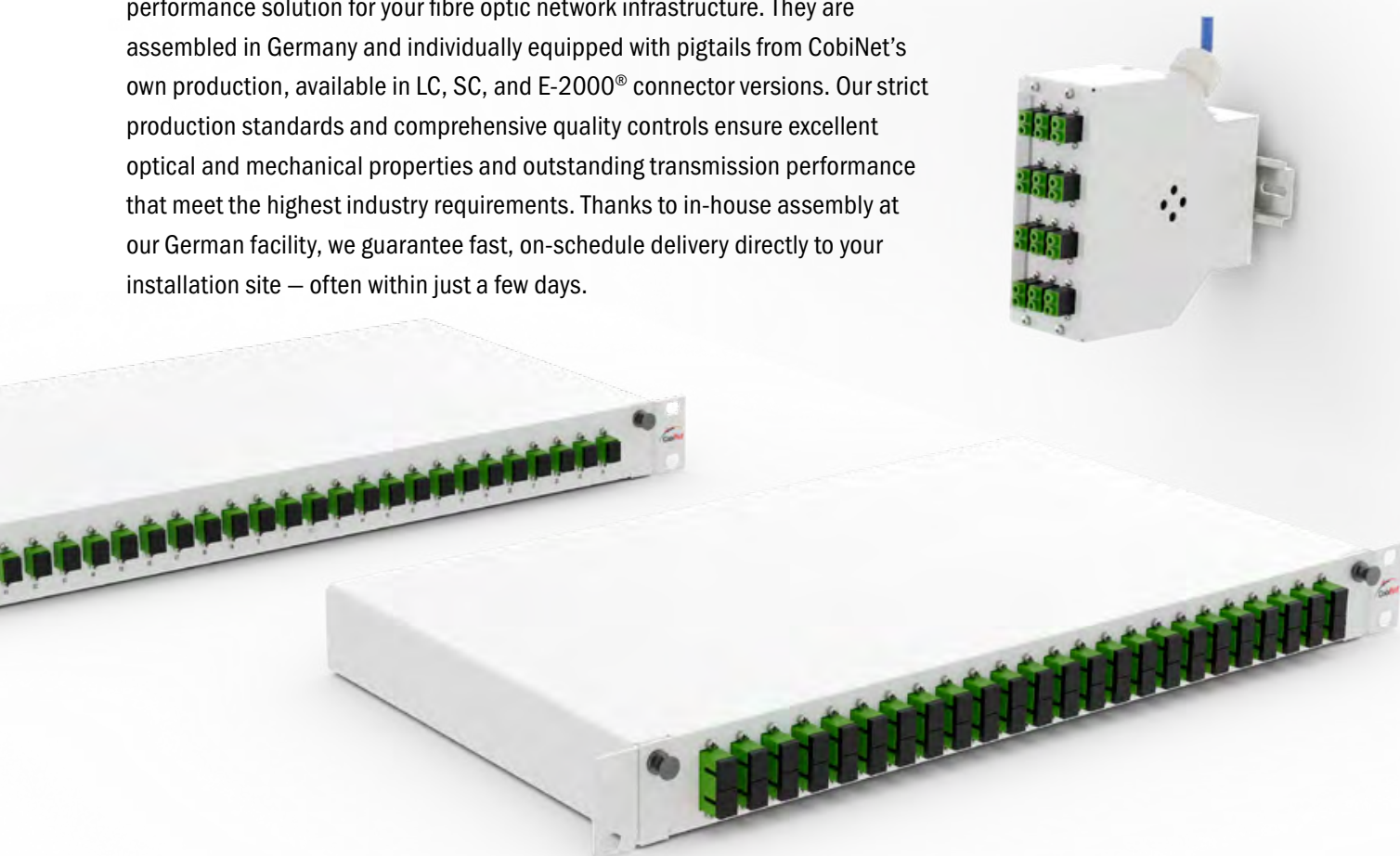
* CobiNet 1500 SX/DX data cable



You can download the **data network technology** catalog at www.cobinet.com/downloads or request a printed version

CobiNet fibre optic splice enclosure (LAN)

CobiNet fibre optic splice and patch enclosures provide a reliable and high-performance solution for your fibre optic network infrastructure. They are assembled in Germany and individually equipped with pigtails from CobiNet's own production, available in LC, SC, and E-2000® connector versions. Our strict production standards and comprehensive quality controls ensure excellent optical and mechanical properties and outstanding transmission performance that meet the highest industry requirements. Thanks to in-house assembly at our German facility, we guarantee fast, on-schedule delivery directly to your installation site — often within just a few days.



Fibre optic patch cables

CobiNet fibre optic patch cables ensure reliable and future-proof performance in data network distributors. Their excellent optical and mechanical characteristics, combined with high manufacturing quality in CobiNet's own production, guarantee long-term reliability. Available in a wide range of singlemode and multimode versions, various lengths and connector types (SC / LC / E-2000® / MTP®), as well as in standard or uniboot designs.



**Made
in Europe**
by CobiNet

Trunk cables

CobiNet trunk cables enable installers to quickly and efficiently connect floor distributors or office areas. Pre-assembled, tested, and ready for operation, they save time and costs by eliminating the need for complex on-site splicing.

CobiNet trunk cables stand out through their high optical and mechanical quality, short production and delivery times, and an outstanding price-performance ratio thanks to European in-house manufacturing. We deliver direct to the installation site within a few days after the order. The trunks are perfectly matched to CobiNet distribution panels and can be easily integrated into enclosures from other manufacturers thanks to their slim fan-out head and universal screw connection.

Fibre optic installation cables

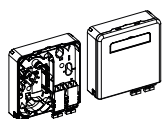
CobiNet fibre optic installation cables ensure reliable and future-proof network operation, today and in the future. We offer a wide range of singlemode and multimode cables with various fibre counts, available as indoor, outdoor, or universal cables. In addition, different fire protection classes and tensile strengths are available to meet your specific project requirements.



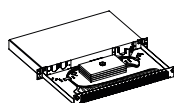
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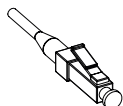
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DATA CENTRE



FIBRE OPTIC TECHNOLOGY



DATA CABLE FIBRE OPTIC & COPPER



COPPER DATA NETWORKS



NETWORK CABINETS



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