DATA SOLUTIONS PRODUCT GUIDE

2026

DATWYLER

We deliver customer value with tailor-made solutions and outstanding expertise.

CONTENTS

DATWYLER IT INFRA

MILESTONES

1915	1926	1944

Adolf Dätwyler becomes Director General at Swiss Wire & Rubber Works in Altdorf

Production start of telephone cables

COMPANY

Datwyler IT Infra is an international company with its headquarters in Switzerland and affiliates in Europe, the Middle East and Asia. Datwyler enables organisations around the world to run their IT/OT infrastructures seamlessly and scale their business with ease. The well-established company which was founded more than 100 years ago successfully operates in the market as a supplier of innovative system solutions and products for data centres, fibre networks and intelligent buildings as well as the lead or main contractor who covers the whole value chain in these markets.

Subsidiaries:

| Singapore | China | Dubai, UAE | Lomazzo, Italy | Děčín, Czech Republic | Barcelona, Spain Riyadh, KSA | Riga, Latvia |

| 1973 | 1986 | 1991 | 1996 | 1998 | 2009 | 2011 | 2014 | 2018 | 19 | 20 | 2022 | 2024 | 2025 |

World's first fire safety cables to pass E90 testing (DIN 4102-12)

Start of cable harnessing

First elevator flat cable up to 400 m shaft height

Introduction of first Micro and Mini Data Centre solutions

Market launch Smart Service Platform (SSP)

ICT expansion by acquisition of Seabix and MacRobi

Production start of high-frequency cables

Production start of FO cables

Turnkey solutions for data networks, data centres and FTTx networks

Business transition from Datwyler Cabling Solutions to Datwyler IT Infra

THE EUROPEAN CONSTRUCTION PRODUCTS REGULATION (CPR) EU 305/2011

Since 1 July 2017, power, control and communication cables for permanent installation in buildings have been subject to the harmonised standard EN 50575. The standard regulates the testing, classification and labelling of fire behaviour. This also applies to importers from non-EU countries who are considered manufacturers within the meaning of the regulation.

The assessment is carried out by a notified body and includes:
- Combustion heat
- Heat release
- Vertical flame spread
- Smoke development
- Burning droplets/falling debris
- Acidity of smoke gases

After successful testing and monitoring of the factory production control, the manufacturer is entitled to affix the CE mark and issue a Declaration of Performance (DoP).

With the entry into force of the new Construction Products Regulation (EU) 2024/3110 on 7 January 2025, the requirements of EN 50575 will remain in place for the time being.

In addition, the following will be introduced in stages until 2027:
- Digital Product Passport (DPP)
- Extended CE marking with sustainability information
- Obligation to provide environmental performance indicators (e.g. carbon footprint, energy consumption)

The results of this test should be assigned to the following seven cable classes (Euroclasses):

Main class	Description
A_{ca}	Non-flammable, no contribution to fire; products such as mineral-insulated cables and lines
$B1_{ca}$	Low flammability, very limited contribution to fire
$B2_{ca}$, C_{ca}	Very limited or limited contribution to fire; cables/ lines without continuous flame propagation; limited fire development and thermal release rate
D_{ca}	Acceptable contribution to fire; products with continuous fire propagation; moderate fire development and thermal release rate
E_{ca}	Normally flammable; cables and lines with acceptable fire behaviour which have flame-retardant characteristics when exposed to a small pilot flame
F_{ca}	Easily flammable; this cable can ignite when exposed to a small flame

Additional classifications are to be determined for classes $B1_{ca}$ to D_{ca}. The fire-critical parameters have been identified as smoke generation, flaming droplets of cable material and the acidity of the combustion gases:

Additional classes for smoke generation in cables:	
s1	slight smoke generation
s1a	s1 with visibility over 80 %
s1b	s1 with visibility between 60 % to 80 %
s2	moderate smoke generation
s3	severe smoke generation

Additional classes for flaming droplets/particles in cables:	
d0	no flaming droplets
d1	short-lived flaming droplets
d2	persistent flaming droplets

Additional classes for acidity in cables:	
a1	slightly corrosive flue gases
a2	moderately corrosive flue gases
a3	severely corrosive flue gases

You will find up-to-date information on the classification of our relevant cables and lines in the product data sheets. Declarations of Performance have been provided with the delivery documentation since 1st July 2017. If a copy of the Declaration of Performances is needed it can be requested via the Datwyler contact address of the relevant country. Declarations of Performance are also available for downloading on the Datwyler IT Infra website.

The European Construction Products Regulation (CPR) regulates the placing of construction products on the European market – but not their use in construction work. The selection and use of construction products are the responsibility of the European Member States. The requirements governing which fire protection class is specified for which location therefore differ from country to country. Installers and specialist planners must check and comply with the relevant local regulations.

In many countries there were still no mandatory requirements governing the use of fire classes in buildings at 1st July 2017. Where there are still no minimum mandatory legal requirements, there are generally recommendations by the CPR professional associations for application in the relevant countries.

Cables without "CPR classification" may still be installed and used providing there are no national requirements relating to the use of classified cables under Construction Products Regulation. If there already are national requirements relating to application, the use of such cables should be clarified with the authorities responsible.

Cables covered by the CPR but placed on the European market before 1st July 2017 and bearing the CE mark in accordance with the Low Voltage Directive (LVD) may continue to be sold on for an indefinite period.

SUSTAINABILITY AS PART OF OUR DNA

WE ASSUME RESPONSIBILITY!

Sustainability is evident in all our business activities. We work diligently to achieve a measurable impact in all areas.

Norbert Ludwig, Chief Sustainability Officer (CSO) & Head of Operational Excellence

SUSTAINABLE CORPORATE GOVERNANCE

Sustainability is a central goal at Datwyler IT Infra – anchored in development, service, human resources, production and social commitment. A silver medal from the rating agency EcoVadis confirms our responsible actions regarding the environment, labor and human rights, ethics and sustainable procurement. We focus on transparency, dialogue and regional promotion.

QUALITY AND SAFETY

Our goal: reliable solutions through optimised processes, technological advancements and the responsible use of resources. Customers benefit from measurable quality and safety according to international standards. We also safeguard our values in the supply chain through audits and a global code of conduct for suppliers.

HUMAN RIGHTS

Datwyler IT Infra assumes responsibility for respecting human rights along the entire value chain – fairly, consistently and sustainably. A continuously optimised due diligence process helps identify potential risks at an early stage. We act transparently – including when using conflict minerals.

Datwyler IT Infra follows the guidelines of the Global Reporting Initiative

Datwyler IT Infra is a participant of the UN Global Compact

Datwyler IT Infra is a signatory to the Europacable Industry Charter

SOCIAL RESPONSIBILITY

Datwyler IT Infra stands for fair, responsible action – with clear rules against corruption and unfair competition. We specifically support the regional economy and, where possible, source services locally. We are also strongly committed to local social engagement.

STATEMENT FROM DATWYLER IT INFRA

As an environmentally conscious manufacturer and supplier of IT/OT solutions it is our concern not to use any environmentally harmful substances in our products. Based on current information, the herein-mentioned regulations and directives for substances are fully complied with wherever applicable.

GLOBAL RESPONSIBILITY WITH CLEAR STANDARDS

As an internationally active company, we align our sustainable practices with recognised standards and industry initiatives. They form the basis for transparent reporting, ethical business practices and long-term partnerships. Through our active participation, we clearly acknowledge our responsibility to society, the environment and the economy.

YOU CAN FIND MORE INFORMATION HERE.

ROHS (2011/65/EU & 2015/863/EU):

We ensure that our products do not contain any of the ten prohibited substances from the two RoHS directives above the permitted concentrations. We issue product-specific EU Declarations of Conformity, which we provide to our customers upon request.

REACH (1907/2006/EC):

Under the REACH Regulation, we only have information obligations.
We either ensure that our products do not contain any substance of very high concern (SVHC) above the threshold value, or, if this is not technically possible, we inform our customers about the substance and its CAS number.

WEEE (2012/19/EU):

Our products are accompanied by the necessary disposal information.
The applicable quantities are registered in accordance with legal requirements in the respective countries, and the recycling costs are covered.

Our WEEE registration numbers:
- WEEE Reg. No. DE 13830682 (Stiftung ear)
- WEEE Reg. No. CH VP11290 (Stiftung SENS)
- WEEE Reg. No. NL CO00010622 (Wecycle)
- WEEE Reg. No. BE DCL/DS293 (Recupel)
- WEEE Reg. No. AUT GLN: 9008391795032 (UFH Holding)
- WEEE Reg. No. IT AEE01-BZ-0004979 (Erion)
- WEEE Reg. No. ES 15466 (ecotic)

QUALITY

QUALITY SERVICE

At Datwyler IT Infra, we keep all the major components for our system solutions in stock at all times, and can therefore guarantee fast delivery. We can answer any query promptly and efficiently, with careful consideration towards the current and future requirements of our clients. Our engineering teams deliver projects on time and within budget and to the correct specification.

QUALITY ASSURANCE

Our management system is ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 certified.

STATE OF THE ART TECHNOLOGY

Datwyler IT Infra invests year-on-year in improved material and process technologies, production equipment and test methods. This is why our system solutions regularly exceed industry expectations. We set new standards.

WE SURPASS ALL INDUSTRY STANDARDS

Within the development phase of every product, Datwyler IT Infra defines quality specifications that go beyond the usual industry standards. In addition to general quality-control inspections, our products undergo application-specific testing. With the help of qualified specialists, Datwyler has developed a series of sophisticated test machines specifically for this purpose. We use these to measure every type of cable and every system component against our own rigorous quality specifications. Such extreme testing procedures ensure that all Datwyler IT Infra's systems and solutions will maintain their integrity, even under the most demanding conditions.

QUALITY AS A CONSTANT MISSION – WITHOUT COMPROMISE

In practice, the important functions that our system solutions provide, demand the highest levels of safety and reliability. We therefore test and validate every product and system solution using the most stringent quality-control. Quality without compromise is a constant expectation for all of our employees. It is also our guarantee to our customers.

TURN-KEY PROJECTS

Datwyler IT Infra serves as your single global contact for IT infrastructure projects. We will ensure quality standards adhered to, and that projects are delivered on time and on budget. Through our certified partner network we are able to efficiently roll-out complete solutions and multi-site projects all over the world. Our transparent project reporting provides our clients with the ability to know the exact status of the project at any time. Comprehensive documentation further ensures the quality of the work.

Material logistics plays an important part in multi-site projects. Together with our logistics partners we ensure that all materials are on-site precisely on schedule, in order that projects can be delivered on time.

SERVICES

Datwyler IT Infra offers a comprehensive range of services that cover the whole life-cycle of your cabling and IT infrastructure solution. These services that we offer in close cooperation with our certified partners include consulting, engineering, implementation and maintenance:

BESPOKE PRODUCT DESIGN

DEVELOPMENT & PRODUCTION SERVICE

CERTIFIED PARTNER NETWORK

NETWORK DESIGN ASSISTANCE

SITE ASSESSMENTS & CERTIFICATIONS

SERVICES YOU NEED

TENDER DOCUMENT TEXTS

25 YEARS SYSTEM WARRANTY

PROJECT LOGISTICS

PROJECT DOCUMENTATION

TURNKEY IMPLEMENTATION

SITE VISITS, WARRANTY AUDITS

IT SOLUTIONS

Effective expert services for all our customers

Companies can optimise their resources and concentrate on their core competences by outsourcing IT tasks to specialist providers, while at the same time ensuring that their IT systems are always state-of-the-art and safe from cyber attacks.

Our services cover the whole value chain: from site surveys, conception and system engineering through installation, logistics and turnkey supply to documentation and system maintenance. The basis for this is our competence in product design, operating experience, international presence and our globally established partner network.

Datwyler believes that individual and flexible solutions are part of a good service. First-class support and fast response times in the event of problems are a matter of course for Datwyler.

A DIGITAL CONTROL CENTRE
FOR YOUR ENTIRE IT INFRASTRUCTURE

With the software-based IT management platform from our IT SOLUTIONS business unit, IT managers retain full control over their entire IT and communications infrastructure. The platform manages connectivity, operations, and offboarding – centrally, intuitively and efficiently.

Whether it's desktop systems, the cloud or your own data centre, the platform consolidates and orchestrates all information, creating maximum transparency and efficiency, enhancing security and ensuring smooth, manageable operation of your entire IT infrastructure. Key features of the IT management platform include:

Centralised dashboard for all IT systems

Overview of active services, licenses and contracts

Real-time monitoring and automated alerts

Accessible via web browser or mobile devices

PROACTIVE ACTION
INSTEAD OF REACTING TO DISRUPTIONS

Through integrated analysis and automation functions, the IT management platform detects irregularities early and automatically triggers a service process when necessary. This prevents costly downtime, optimises maintenance windows and ensures efficient use of IT resources.

· Automated maintenance and update processes
· Intelligent notifications for critical events
· Integration into existing support and ticketing systems
· Traceable history of all system changes

TRANSPARENCY AND CONTROL

The platform builds trust through clear structures and transparent processes. Booked services, availability and costs are always visible. This relieves the burden on IT managers and simplifies collaboration between companies, partners and service providers.

· Clear presentation of service levels and responsibilities
· Traceable cost transparency
· Integrated reporting and analysis functions

FLEXIBILITY AND
FUTURE-PROOFING

Whether on-premises data centre, cloud, or hybrid infrastructure: The IT management platform continuously adapts to your environment and grows with your needs. The software is modular and can be integrated into existing systems.

· Interfaces to leading cloud and
  security solutions
· Scalability
· GDPR-compliant data
  storage and access
  control
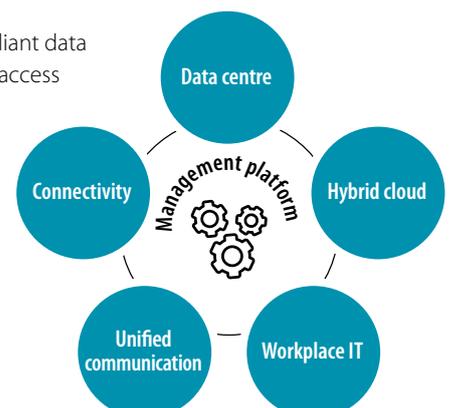
SOLUTIONS FOR YOUR IT
IN A COMPLETE, WORRY-FREE PACKAGE

HOLISTIC, ALL-IN-ONE SOLUTIONS
FOR GREATER EFFICIENCY AND FLEXIBILITY IN YOUR COMPANY

Today, a high-performance infrastructure is more than just technology: it's the foundation for competitiveness, agility and security. Datwyler IT Infra supports you in aligning your company's IT and communication systems flexibly and with future-proofing in mind – from planning to 24/7 operation.

Customers, suppliers and partners expect reliable interfaces, transparent processes and fast response times, even from small and medium-sized enterprises. SMEs that can't keep up quickly lose market share to more agile competitors.

Stay on the road to success! With proactive IT management, you can dynamically adapt your digital infrastructure to all current and future challenges.

WHY ACTIVE IT MANAGEMENT IS CRUCIAL

Financial aspects and resources

Cybersecurity and data protection

Complexity and technological progress

Skills shortage and know-how

Scalability and flexibility

HYBRID IT INFRASTRUCTURES

Stay competitive! Rely on an IT solution that seamlessly connects your on-premises systems, infrastructure and cloud services! A hybrid infrastructure offers you long-term security, compliance and flexibility.

Datwyler IT Infra has many years of experience in planning, implementing and operating distributed infrastructures. We are a strong partner for your projects, whether upgrades, expansions, migrations or relocations.

INDIVIDUAL SERVICES

From conception and implementation to operation and maintenance: We support you as your strategic partner for hybrid IT infrastructures. Our experts optimise your systems, automate processes and ensure smooth operation around the clock, if required.

Choose the right model for you from five clearly defined service packages – with guaranteed response times, flexible options and the expertise of our specialists.

WORKPLACES TAILORED TO YOUR NEEDS

A modern workplace consists of more than just a computer and monitor: For smooth operations, clear communication and a pleasant working environment, you need the right peripherals. This means performance, reliability, and optimal integration into your IT environment.

With Datwyler IT Infra as your partner, you have the choice: Combine IT infrastructure, connectivity, hybrid cloud, data centre, and digital workspaces to create your own customized solution. Or start with a pre-configured, complete IT solution that fits your workplace.

DIGITAL SOVEREIGNTY AND INNOVATION

An IT solution from Datwyler helps you make your data available and usable for digital processes – regardless of technology or vendor. We support you in introducing new digital business models in your industry. Reliable budget and cost planning and simple administration reduce the stress of your daily operations.

We increase your productivity and efficiency – cyber-secure, legally compliant and in accordance with applicable standards.

SLA	BASIC	BRONZE	SILVER	GOLD	PLATINUM
Service time	Mon–Fri 8.00 a.m.–5.00 p.m.	Mon–Fri 8.30 a.m.–5.30 p.m.	Mon–Fri 7.30 a.m.–5.30 p.m.	Mon–Sat 7.30 a.m.–10.00 p.m.	Mon–Sun 0.00–0.00 p.m.
Response time	< 24 h	< 4 h	< 2 h	< 2 h	< 2 h
Support during service hours	remote **best effort**	remote < 4 h	remote < 4 h on site < 8 h	remote < 4 h on site < 4 h	remote < 4 h on site < 4 h

CUTTING EDGE SOLUTIONS FOR SMALL AND DECENTRALISED DATA CENTRES

DIGITALISATION AS AN OPPORTUNITY

Our world is becoming increasingly digital, interlinked and intelligent. The Internet of Things, automation, 5G, robotics and artificial intelligence are opening up many new applications and business models. To capitalise on the opportunities which come with digitalisation, your organisation must rely on a smart and strategic IT infrastructure.

Datwyler IT Infra is a global player that helps organisations to stay at the forefront of progress, elevating their core business. While you focus on developing your business, we take care of your IT infrastructure – with a comprehensive solution and service package that is precisely tailored to your needs.

SMDC – SINGLE-RACK

This Smart Modular Data Centre from Datwyler IT Infra is a compact, preassembled, fully monitored and managed, low-maintenance plug-and-play IT infrastructure solution that can be put into operation on site within a few hours. It is a stand-alone data centre that integrates key elements such as cooling, power supply, monitoring and security into a single solution.

Unlike in-house data centres and server rooms which need extensive planning, maintenance, cost and space, Datwyler´s single-rack SMDC is a highly efficient and compact solution that enables businesses to run their applications on-premise or at the Edge.

The equipment can be customised according to your needs and requirements.

Equipment rack
42U, pre-installed
electrical distribution

Fire suppression
rack mounted
(optional)

Power distribution
prewired for
rapid deployment,
with overvoltage
protection

**Uninterruptible
power supply (UPS)**
rack mounted,
online double
conversion for
continuous power

Backup batteries
durable and scalable,
provide autonomy
during power failures
and disruptions

Emergency ventilation fans
extract hot air in case
of cooling failure (optional)

Lighting and visual alarm
automated, ensures clea
user alerts

Rack monitoring system
real-time status reporting

Smart access control
key, card, keypad and
biometric (optional)

Double glass door
ensures effective noise r
eduction, optimal insulation
and high cooling efficiency

Power distribution unit (PDU)
equipped with standard
or intelligent power
management

In-rack cooling system
precise temperature
control ensuring optimal
environmental conditions

(product may differ from illustration)

SMDC – MULTI-RACK

The Smart Modular Data Centre (SMDC) is a scalable, pre-assembled, plug-and-play solution designed for edge computing and optimised for rapid deployment. Each multi-rack SMDC features a configurable power supply unit and a redundant in-row cooling system, providing seamless scalability and technology upgrades with little additional cost or disruption.
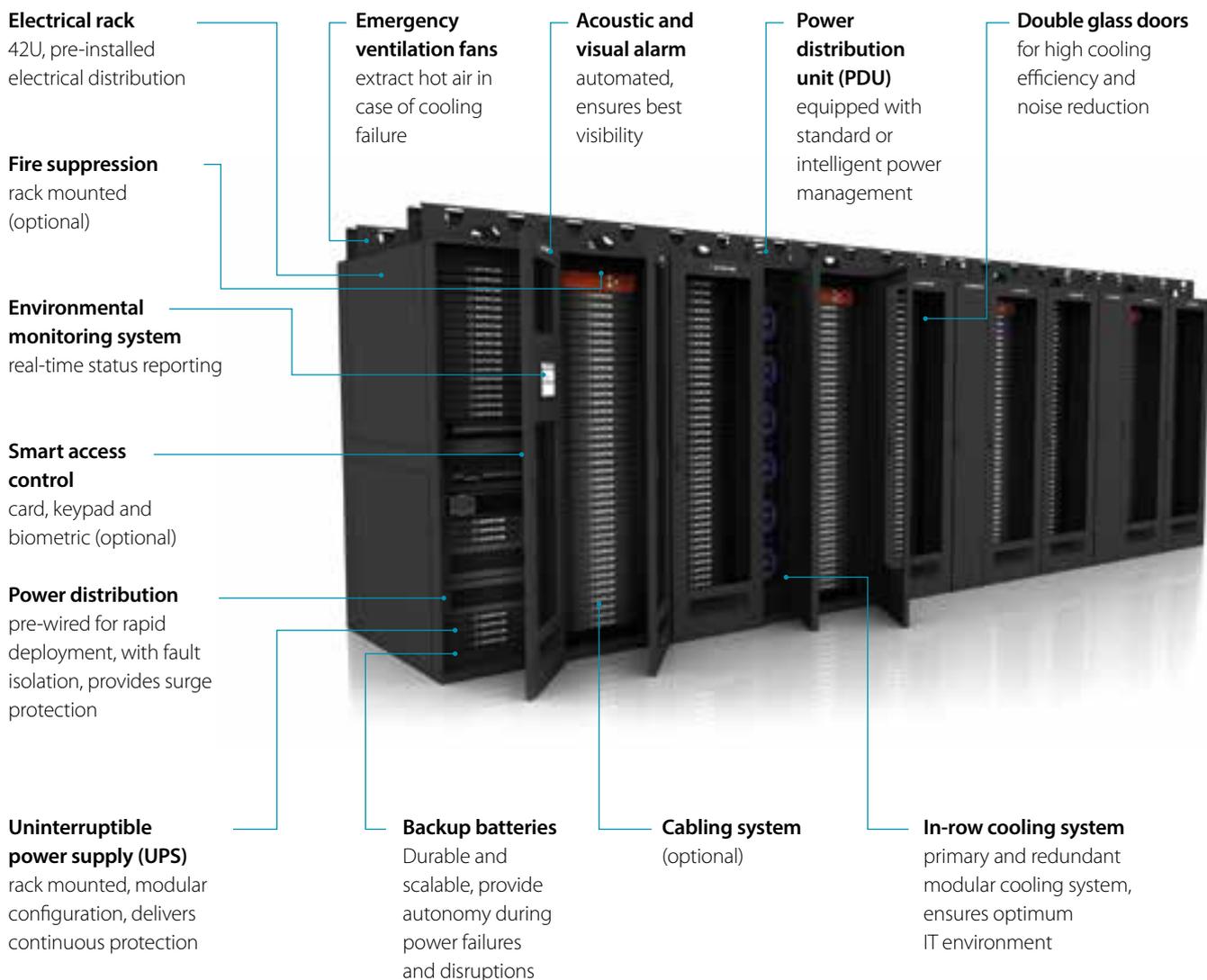
A multi-rack solution from Datwyler IT Infra ensures a capacity of up to 40 kVA. It consists of 42U racks, an integrated intelligent power distribution, an uninterruptible power supply (UPS, optionally redundant) and a flexible, compact cooling system with a capacity of up to 25 kW per cooling unit. There is also a fire suppression system (optional), air gap sealing and comprehensive software for infrastructure management.

The multi-rack SMDC supports edge computing, operating smart facilities with IoT devices, remote or branch offices or it serves as a building distributor (BD). Advanced applications include technologies such as AI, AR, VR and automation systems that require flexible, scalable and energy-efficient real-time data processing.

Electrical rack
42U, pre-installed electrical distribution

Emergency ventilation fans
extract hot air in case of cooling failure

Acoustic and visual alarm
automated, ensures best visibility

Power distribution unit (PDU)
equipped with standard or intelligent power management

Double glass doors
for high cooling efficiency and noise reduction

Fire suppression
rack mounted (optional)

Environmental monitoring system
real-time status reporting

Smart access control
card, keypad and biometric (optional)

Power distribution
pre-wired for rapid deployment, with fault isolation, provides surge protection

Uninterruptible power supply (UPS)
rack mounted, modular configuration, delivers continuous protection

Backup batteries
Durable and scalable, provide autonomy during power failures and disruptions

Cabling system
(optional)

In-row cooling system
primary and redundant modular cooling system, ensures optimum IT environment

(product may differ from illustration)

DCIM – DATA CENTRE INFRASTRUCTURE MANAGEMENT

The Data Centre Infrastructure Management (DCIM) system provides a top level as well as a detailed overview of the status of IT infrastructure housed within a Smart Modular Data Centre. The system is characterised by real time remote monitoring of environmental conditions, access and energy consumption of IT infrastructure devices and systems.
In case of faults or emergencies the system is capable of alerting the users to take timely and necessary action to protect the mission critical IT systems.

SYSTEM ARCHITECTURE

Real-time monitoring

Openness & flexibility

Alarm notification

Reports & graphs

Temperature & humidity

Aircon

Access control

UPS

Power distribution

SMS

(product may differ from illustration)

Leakage

Smoke

Doors

Alarm

Email alert
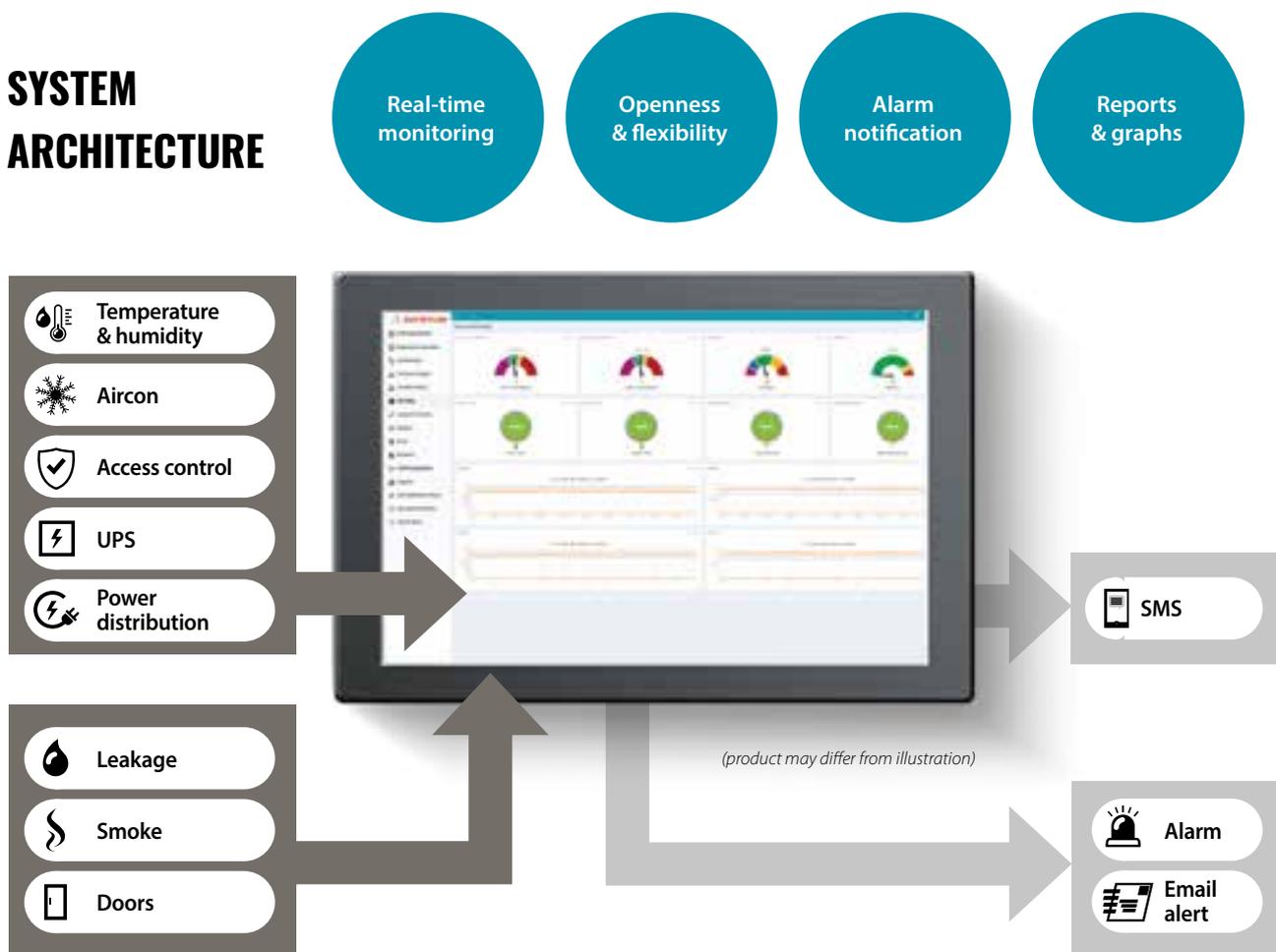
DCIM FEATURES

· Multilingual Web GUI with integrated logic
· User access management
· Integrated interfaces: Ethernet, USB, CAN, analogue & digital
· SNMP-compatible
· Provides notifications and alerts such as email, SMS and SNMP traps
· Extensive range of sensors for environmental monitoring, security control and power monitoring
· USB interface for video camera
· SD card slot for optional SD card (max. 64 GB)
· SIM card slot for optional LTE modem
· Alarms for maintenance and critical events
· Graphical representation of environmental data

IT SOLUTIONS
Smart Modular Data Centres

SCALABLE. ENERGY EFFICIENT. RELIABLE.

The amount of data produced will continue to grow exponentially. These data volumes have to be processed close to their source (edge computing) due to, among other factors, efficiency and latency. This requires many small to medium-sized data centres that are smart and modular and can grow with increasing demands.

Our SMDC standard portfolio at a glance.
We also offer bespoke solutions tailored to specific applications.

	SMDC 3 kVA	SMDC 10 kVA	SMDC 20 kVA
Tier I / ready for **Tier II** / ready for **Tier III**	• **UPS3:** 3 kVA online UPS system with 15 mins backup batteries • **PDM6:** Power distribution module, up to 6 kVA • **Cool3.5:** 3.5 kW in-rack cooling unit • **1 rack, 42U**	• **UPS10:** 10 kVA online UPS system with 15 mins backup batteries • **PDM10:** Power distribution module, up to 10 kVA • **1 Electrical rack, 42U** • **1 Cool25:** 25 kW in-row cooler, 50/60 Hz • **3 IT racks, 42U**	• **UPS20:** 20 kVA online UPS system with 10 to 15 mins backup batteries • **PDM20:** Power distribution module, up to 20 kVA, 125 A (3ph/N/PE) • **1 Electrical rack, 42U** • **1 Cool25:** 25 kW in-row cooler, 50/60 Hz • **4 IT racks, 42U**
Server	up to 10	up to 20	up to 40
Processing load	80–100 CPU cores 6–8 GPUs	150–200 CPU cores 20–24 GPUs	320–400 CPU cores 30–40 GPUs
Network ports	up to 96	up to 128	up to 192

ONLINE CONFIGURATOR

SMDC 30 kVA	SMDC 40 kVA
· **UPS30:** 30 kVA online UPS system with 10 to 15 mins backup batteries · **PDM40:** Power distribution module, up to 40 kVA, 160 A (3ph/N/PE) · **1 Electrical rack, 42U** · **2 Cool25:** 25 kW in-row cooler, 50/60 Hz · **6 IT racks, 42U**	· **UPS40:** 40 kVA online UPS system with 10 to 15 mins backup batteries · **PDM40:** Power distribution module up to 40 kVA, 160 A (3ph/N/PE) · **1 Electrical rack, 42U** · **1 Battery rack, 42U** · **2 Cool25:** 25 kW in-row cooler, 50/60 Hz · **8 IT racks, 42U**
up to 45	up to 70
450–550 CPU cores 50–60 GPUs	800–1000 CPU cores 100–120 GPUs
up to 288 (or 576 fibre optic)	up to 384 (or 768 fibre optic)

Bespoke solutions

BESPOKE SOLUTIONS

Do you need a data centre solution that deviates from the SMDC standard portfolio? No problem! For many years, Datwyler IT Infra has successfully implemented data centre projects around the world that couldn't be more diverse, but all have one thing in common: they are tailored to the specific needs of our customers.

Our turnkey approach, which encompasses all phases from design to operation, ensures the seamless implementation of your project. We efficiently budget and accompany implementation, testing and commissioning, ensuring a reliable, scalable and future-proof solution whose performance we further enhance through continuous maintenance and optimisation.

IT SAFE

The modular compact data centre designed to secure your IT infrastructure

- IT protection with high availability
- Compact: less than 2 m^2
- Flexible, modular and expandable
- Maximum IT security
- Standard with two doors at the front and two at the back
- Monitoring
- Energy efficient systems
- Fully redundant cooling system (optional)
- Cooling units designed for continuous operation
- Immediately applicable

IT Safe configurator

DATA CENTRE CONTAINER

Mobile, modular, robust and absolutely reliable.

Use a mobile data centre container wherever critical applications, data and servers are used in your business. In addition to mobile and modular use, a data centre container protects against dust, damage, fire, rain, water and unauthorised access

Data centre container configurator

- Fully welded steel container
- Fire protection: EI90, EI60, EI30 (i -> o) according to EN 13501-2 and EN 1363-1
- Dust and water tightness IP 56 according to EN 60529
- Smoke tightness according to EN 1634-3
- Class RC 3-4 burglar resistance according to EN 1627/EN1630
- Corrosion protection system: class C1 (indoor areas) to class C5 (coast) according to DIN EN ISO 12944

DATA CENTRE HEALTH CHECK

Datwyler Data Centre Health Check assessment service provides an entry-level on-site assessment of existing data centre IT infrastructures and components.

The Data Centre Health Check compares your current environment to the industrial standards and best practices for maintaining a reliable facility. We identify high priority issues, overall system risks and problem areas while providing recommendations for data centre improvements. Datwyler IT Infra performs the assessment by its own certified data centre experts.

WHY DATA CENTRE HEALTH CHECK?

· Check compliancy related to defined standard
· Indicate single points of failure
· Identify weaknesses, prevent downtime and increase availability
· Analyse internal organisation processes and documentation
· Provide recommendations for improvement

MEASUREMENTS

· Thermal scanning
· Temperature and humidity measurement
· Power consumption measurement
· Airflow measurement
· Cabling infrastructure performance tests
· Electrostatic potential and grounding tests

HEALTH CHECK PROCEDURES

1. Pre-visit:
Meeting with your IT and data centre operational team at the site along with completion of a questionnaire: define availability class, requested specifications and size in order to provide a detailed assessment offer.

2. Document study:
Collect and analyse your relevant documents.

3. Site assessment:
Assessment based on a pre-defined catalogue of criteria; measurements on cooling systems, power supply systems, cabling infrastructure, safety and security environment as well as staff interviews.

4. Information analysis:
Conduct a gap analysis by comparing the results from the catalogue of criteria and site assessment with data centre international standards to evaluate the current state of your data centre facility.

5. Report:
Present the results to you in a clear format that quickly addresses the issues and summarises the risks along with recommendations to optimise performance and to improve efficiency.

DESIGN VALIDATION

We validate the design of your new or existing data centre and compare it for compliance to EN 50600 standard.

The outcome is a report which will indicate the level of compliance.

ASSESSMENT

· We perform an assessment based on the relevant European standard EN 50600.
· We use a comprehensive test catalogue covering the building environment, building construction, power supply systems, fire alarm and fire suppression systems, security systems, air conditioning, cabling, organisation and documentation.
· We conduct a gap analysis to evaluate compliance of your data centre facility.

COPPER SOLUTIONS
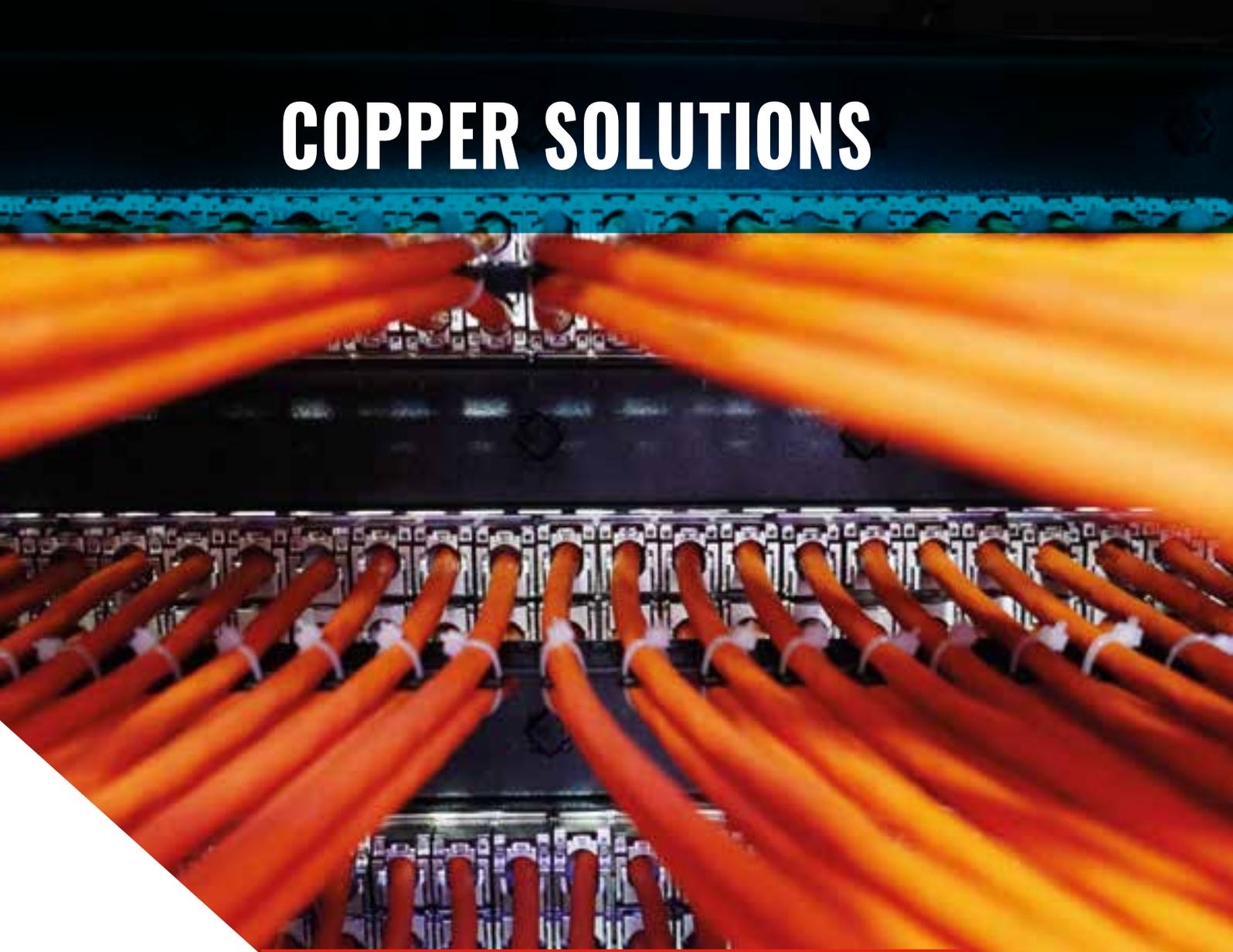
High-grade copper system solutions

Datwyler IT Infra develops, manufactures and distributes high-grade and futureproof network infrastructure solutions based on copper cabling technology – from analogue telephony to 10- and 40-gigabit Ethernet. These system solutions set standards for quality, reliabilty and performance and meet all media covergence needs.

With Datwyler copper cabling systems you can always keep up with the constantly increasing transfer rates and exploit the full potential of networks. Thus, they offer high investment security for the future.

The comprehensive product range extends from single cables and components to complete end-to-end systems. These modular solutions are suitable for all sizes and types of Local Area Networks (LANs), comms rooms and data centres.

COPPER CABLING SYSTEM

The Datwyler IT Infra product portfolio includes shielded and unshielded copper technology system solutions for the transmission of analogue and digital voice, image, multimedia and data signals as well as control signals and remote power (PoE to 4PPoE).

On the following pages you will find our recommendations for copper data networks with transmission speeds of 1 Gbit/s, 10 Gbit/s and more – i.e. for all your applications in office environments and data centres. Here you can also basically choose between especially future-proof "high-end" and "premium" solutions as well as cables and components which are very popular with our customers due to their cost-effectiveness or optimum price-performance ratio.

The demands on cabling systems continue to grow at a rapid pace. A shielded 10 Gbit/s copper solution from Datwyler IT Infra brings such high performance to your office environment that it also equips your network infrastructure for future technologies (from page 26 onwards). These days it is vital to plan well ahead in a data centre environment as well, in order to be prepared for further technological advances (from page 77 onwards).

SHIELDED VS. UNSHIELDED

The higher the demands on data infrastructure, the greater the influence from the surrounding systems. As part of the ISO standard, new specifications have been established for coupling damping and Alien Cross Talk. These parameters demand an error-free 1GBase-T and 10GBase-T application.

An independent analysis within a third party laboratory has highlighted the problem from outside influence. A simple mobile phone within the area of a 1GBase-T application can create interference on a 1GBase-T unshielded application.

Datwyler IT Infra therefore recommends shielded Channel solutions for guaranteed performance on a secure network.
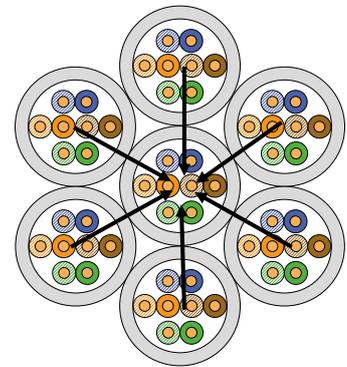
DATWYLER CABLES

+ DATWYLER COMPONENTS

+ QUALITY ENGINEERING

= 25-YEAR SYSTEM WARRANTY

The sophisticated Datwyler IT Infra training and certification programme for Solution Partners guarantees the optimal installation quality of our products. Certified partners can offer a Datwyler warranty for the installed systems: normally for 25 years, but this can be extended depending on project criteria.

DATWYLER LINK RECOMMENDATIONS

High-End Link: greatest headroom, PoE++/4PPoE, future-proof

Highest bandwidth reserve capacities and power transmission to the workplace over the LAN cabling system – up to 96 W for end devices such as computers, monitors, cameras and telephones.

Premium Link: good headroom, PoE++/4PPoE, future-proof

High bandwidth reserve capacities and power transmission to the workplace over the LAN cabling system – up to 96 W for end devices such as computers, monitors, cameras and telephones.

Most Economical Link

The solution which is most commonly used by Datwyler customers for the transmission of voice, video, multimedia and data signals.

CU 7702	**CU 7080**	**CU 6552**
4P / 2x4P, Cat.7$_A$, AWG22	4P / 2x4P, Cat.7, AWG23	4P / 2x4P, Cat.6$_A$, AWG22
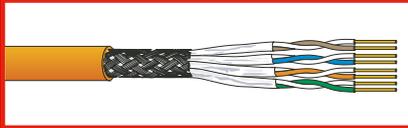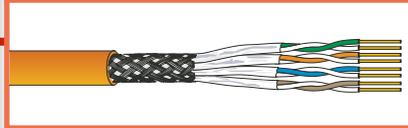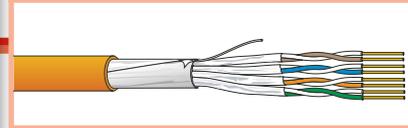
The colours indicate which cables and components are correlated.
Please find the product data sheets and link perfomance certificates on the Datwyler IT Infra website.
Besides the article numbers you will also find the respective Declarations of Performances (DoPs according to CPR) as PDF files for downloading.

This overview provides recommended cables and components which are the best fit to your current and future requirements. **Please note the recommended links on the following pages which are highlighted in different colours.**

Most Popular Link

which offers the best price-performance ratio for the transmission of digital and analogue voice, video, multimedia and data signals.

Unshielded Link, 10GB UTP with high capacity reserves

for the transmission of digital and analogue voice, video, multimedia and data signals.

CU 7060
4P / 2x4P, Cat.6$_A$, AWG23

CU 692
4P, Cat.6$_A$, AWG23

KS-TC Plus 1/8
tool-less, Cat.6$_A$

KU-TC Plus 1/8
tool-less, Cat.6$_A$

RJ45 patch cord
Cat.6$_A$ (IEC)

COPPER CABLING SYSTEMS

Category / Class	Patch panel		
shielded			
Cat. 8 / Class I 25, 40GBit/s	**KS 24x** Keystone patch panel, unloaded	**KS 24x-a** Keystone patch panel, angled, unloaded	**KS 48x** Keystone patch panel, unloaded, black **KS 48x-a** Keystone patch panel, angled, unloaded, black
Cat. 7$_A$ / Class F$_A$ 1000 MHz	**MPS 24x** unloaded, stainless steel (PS-TERA)	**MGK 24x** unloaded, stainless steel (PS GG-45)	**MGK 48x** unloaded, stainless steel (PS GG-45)
Cat. 6$_A$ / Class E$_A$ 500 MHz	**KS 24x** Keystone patch panel, unloaded **MGK 24x** Keystone patch panel, unloaded, stainless steel and grey	**KS 48x** Keystone patch panel, unloaded, black **KS 48x-a** Keystone patch panel, angled, unloaded, black	**CSA 24/8 Cat.6$_A$** alternativ: Compact Solution with integrated RJ45 modules **KS 24x-a** Keystone patch panel, angled, unloaded
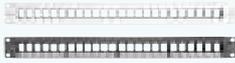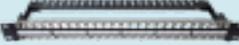
unshielded		
Cat. 6$_A$ / Class E$_A$ 500 MHz	**KU 24x-sg** Keystone patch panel, staggered, unloaded	
Cat. 6 / Class E 250 MHz	**KU 24x** Keystone patch panel, unloaded	**CUP 24/8 Cat.6** Compact Solution with integrated RJ45 modules

Data cable	Module	Patch cord
CU 8203 4P S/FTP, AWG 23, 25GBit/s and 40GBit/s **CU 7725 4P** S/FTP, AWG 22, 25GBit/s	**RJ45 module KS-T8 Class I**	**RJ45 patch cord Cat.8/Class I** CU 8206 flex
CU 7150 4P S/FTP, AWG 22 **CU 7150 2x4P F8** S/FTP, AWG 22 **CU 7702 4P** S/FTP, AWG 22 **CU 7702 2x4P F8** S/FTP, AWG 22 **CU 7120 4P** S/FTP, AWG 22 **CU 7120 2x4P F8** S/FTP, AWG 22	**PS-GG45 7$_A$ Cat.7$_A$**	**Patch cord PS-GG45 4P**
CU 7080 4P S/FTP, AWG 23, Cat.7 **CU 7080 2x4P F8** S/FTP, AWG 23, Cat.7 **CU 7060 4P** S/FTP, AWG 23 **CU 7060 2x4P F8** S/FTP, AWG 23 **CU 6552 4P** F/FTP, AWG 23 **CU 6552 2x4P F8** F/FTP, AWG 23 **CU 6502 4P** U/FTP, AWG 23 **CU 6502 2x4P F8** U/FTP, AWG 23	**RJ45 module KS-TC Plus 1/8 Cat.6$_A$** **RJ45 module KS-T Plus 1/8 Cat.6$_A$** **RJ45 module MS-C6$_A$ 1/8 Cat.6$_A$ (IEC) 180°-K**	**RJ45 patch cord Cat.6$_A$/E$_A$** CU 7702 flex
CU 692 4P U/UTP, AWG 23	**RJ45 module KU-TC Plus 1/8 Cat.6$_A$**	**RJ45 patch cord Cat.6$_A$/E$_A$** CU 7702 flex **RJ45 patch cord Cat.6$_A$ UTP**
CU 662 4P U/UTP, AWG 24	**RJ45 module KU-T 1/8 Cat.6**	**RJ45 patch cord Cat.6** CU 602 flex **RJ45 patch cord Cat.6**
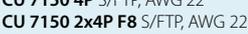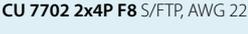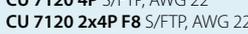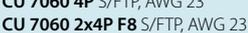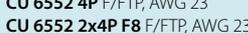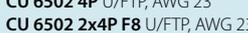
High-end link: greatest headroom, PoE++/4PPoE, future-proof

Premium link: good headroom, PoE++/4PPoE, future-proof

Most economical link

Most popular link

DATA CABLES CATEGORY 7$_A$, 7 AND 6$_A$

Copper data cables,
up to 1000 MHz, 4 x 2 x AWG23,
for structured premises cabling.
Applicable up to 10GBase-T.
Applicable standards:
EN 50173-1:2002,
ISO/IEC 11801:2002/A2:2010.

S/FTP
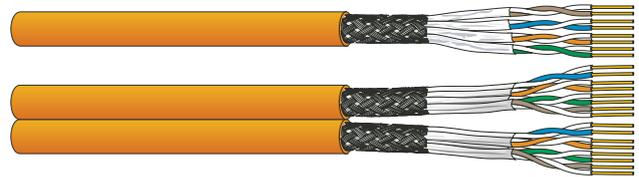
F/FTP
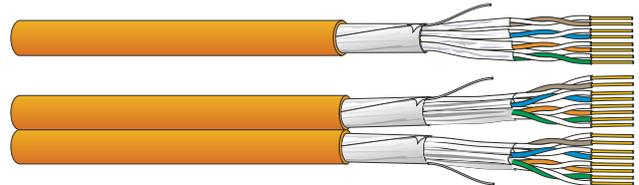
U/FTP
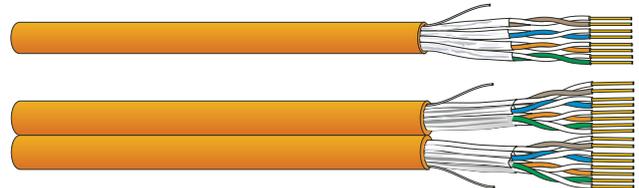
Article No.	Dimensions n x n x mm (AWG)	Sheath	Sheath Ø mm	Weight kg/km	Cu weight kg/km	Fire load kWh/m	MJ/m	Colour	PU	PoE
CU 7150 4P, S/FTP, AWG22, Category 7$_A$ data cable, shielded										
18292500DK	4 x 2 x 0.64 (AWG22)	FRNC/LS0H[1]	7.6	65.3	40.2	0.18	0.62	orange	1000 m drum	
18292600DL	2x (4 x 2 x 0.64 AWG22)	FRNC/LS0H[1]	7.6 x 16.0	131.4	80.4	0.36	1.24	orange	500 m drum	4PPoE
CU 7702 4P, S/FTP, AWG22, Category 7$_A$ data cable, shielded										
17740000DK	4 x 2 x 0.62 (AWG22)	FRNC/LS0H[1]	7.6	61.9	34.9	0.18	0.64	orange	1000 m drum	
17739000DL	2x (4 x 2 x 0.62 AWG22)	FRNC/LS0H[1]	7.6 x 16.2	125.7	69.8	0.36	1.29	orange	500 m drum	4PPoE
CU 7120 4P, F/FTP, AWG22, Category 7$_A$ data cable, shielded										
19146600DK	4 x 2 x 0.59 (AWG22)	FRNC/LS0H[1]	7.6	63.0	32.3	0.18	0.649	orange	1000 m drum	
19146700DL	2x (4 x 2 x 0.59 AWG 22)	FRNC/LS0H[1]	7.6 x 16.0	126.0	64.6	0.36	1.298	orange	500 m drum	4PPoE
CU 7080 4P, S/FTP, AWG23, Category 7 data cable, shielded										
18291100DK	4 x 2 x 0.57 (AWG23)	FRNC/LS0H[1]	7.2	54.8	31.1	0.16	0.57	orange	1000 m drum	
18291200DL	2x (4 x 2 x 0.57 AWG23)	FRNC/LS0H[1]	7.2 x 15.4	109.6	62.2	0.32	1.14	orange	500 m drum	PoE+
CU 7060 4P, S/FTP, AWG23, Category 6$_A$ data cable, shielded										
18292400DK	4 x 2 x 0.55 (AWG23)	FRNC/LS0H[1]	7.1	55.0	26.4	0.152	0.55	orange	1000 m drum	
18292700DL	2x (4 x 2 x 0.55 AWG23)	FRNC/LS0H[1]	7.1 x 15	110.0	52.8	0.304	1.10	orange	500 m drum	PoE
CU 6552 4P, F/FTP, AWG23, Category 6$_A$ data cable, shielded										
19145400DK	4 x 2 x 0.55 (AWG23)	FRNC/LS0H[1]	7.0	48.5	20.0	0.14	0.52	orange	1000 m drum	
19145600DL	2x (4 x 2 x 0.55 AWG 23)	FRNC/LS0H[1]	7.0 x14.3	97.0	40.0	0.28	1.04	orange	500 m drum	PoE
CU 6502 4P, U/FTP, AWG23, Category 6$_A$ data cable, shielded										
19145300DK	4 x 2 x 0.55 (AWG23)	FRNC/LS0H[1]	7.0	47.8	20.0	0.15	0.55	orange	1000 m drum	
19145500DL	2x (4 x 2 x 0.55 AWG 23)	FRNC/LS0H[1]	7.0 x 14.3	95.6	40.0	0.30	1.10	orange	500 m drum	PoE

The "D" in these article numbers stands for Euroclass D$_{ca}$. For higher fire performance requirements, Datwyler offers these cables also with Class C$_{ca}$ or even B2$_{ca}$ performance. For the available Euroclasses please refer to the online data sheets on datwyler-itinfra.com.

[1] FRNC/LS0H = Flame Retardant Non Corrosive/Low Smoke Zero Halogen

4PPoE / 90W AWG22   4PPoE / 90W AWG23   PoE+ / 30W < AWG22   PoE / 15W

RJ45 MODULES
shielded

KS-TC Plus 1/8 Cat.6$_A$ (IEC)   KS-T Plus 1/8 Cat.6$_A$ (IEC)   KS-TS 1/8 Cat.6/E$_A$ (IEC)   MS-K Plus 1/8 Cat.6$_A$ (IEC)

High-end link | Premium link | Most economical link | Most popular link

Article No.	Description	Colour	PU
41806900ZF	RJ45 module KS-TC Plus 1/8 Cat.6$_A$, shielded, tool-less, with dust shutter	metal	12 pcs.
41806100ZF	RJ45 module KS-T Plus 1/8, Cat.6$_A$ (IEC), shielded, tool-less, with dust shutter	metal	10 pcs.
41805400ZF	RJ45 module KS-TS 1/8, toolless slimline Cat.6/E$_A$ shielded	metal	10 pcs.
440005	RJ45 module MS-K Plus 1/8, Cat.6$_A$ (IEC), with colour code TIA 568-A and TIA 568-B	metal	10 pcs.

Accessories for RJ45 modules, Cat.6$_A$/E$_A$, shielded

Article No.	Description	Colour	PU
418062	Dust shutters for module KS-TC Plus and KS-T Plus, Cat.6$_A$ (1 set = 10 pcs.)	white	1 set
418063	Dust shutters for module KS-TC Plus and KS-T Plus, Cat.6$_A$ (1 set = 10 pcs.)	black	1 set
418064	Dust shutters for module KS-TC Plus and KS-T Plus, Cat.6$_A$ (1 set = 10 pcs.)	yellow	1 set
418065	Dust shutters for module KS-TC Plus and KS-T Plus, Cat.6$_A$ (1 set = 10 pcs.)	blue	1 set
418066	Dust shutters for module KS-TC Plus and KS-T Plus, Cat.6$_A$ (1 set = 10 pcs.)	green	1 set
418067	Dust shutters for module KS-TC Plus and KS-T Plus, Cat.6$_A$ (1 set = 10 pcs.)	red	1 set

PATCH CORDS
RJ45, Cat.6$_A$/E$_A$, 500 MHz, shielded, wiring 1:1, AWG 26

with CU 7702 4P flex, Cat.7
suitable for 1GBase-T and 10GBase-T transmission

Copper patch cords, Cat.6$_A$/E$_A$ (4 x 2 x AWG26) for structured premises cabling.
Applicable standards: EN 50173-1:2002, ISO/IEC 11801:2002/A2:2010.
Customised adjustments (bend limiting boot, termination, label) are available.

Length — Datwyler patch cords, RJ45, Cat.6$_A$/E$_A$, shielded, wiring 1:1 (with CU 7702 4P flex, FRNC/LS0H[1], Cat.7)

Length	white	black	grey	green	yellow	red	blue	orange	violet
0,5 m	65390300DY	65380300DY	65350300DY	65355300DY	65360300DY	65365300DY	65370300DY	65375300DY	65385300DY
1,0 m	65390800DY	65380800DY	65350800DY	65355800DY	65360800DY	65365800DY	65370800DY	65375800DY	65385800DY
1,5 m	65390900DY	65380900DY	65350900DY	65355900DY	65360900DY	65365900DY	65370900DY	65375900DY	65385900DY
2,0 m	65391000DY	65381000DY	65351000DY	65356000DY	65361000DY	65366000DY	65371000DY	65376000DY	65386000DY
2,5 m	65391100DY	65381100DY	65351100DY	65356100DY	65361100DY	65366100DY	65371100DY	65376100DY	65386100DY
3,0 m	65391200DY	65381200DY	65351200DY	65356200DY	65361200DY	65366200DY	65371200DY	65376200DY	65386200DY
4,0 m	65391400DY	65381400DY	65351400DY	65356400DY	65361400DY	65366400DY	65371400DY	65376400DY	65386400DY
5,0 m	65391600DY	65381600DY	65351600DY	65356600DY	65361600DY	65366600DY	65371600DY	65376600DY	65386600DY
6,0 m	65391800DY	65381800DY	65351800DY	65356800DY	65361800DY	65366800DY	65371800DY	65376800DY	65386800DY
7,0 m	65392000DY	65382000DY	65352000DY	65357000DY	65362000DY	65367000DY	65372000DY	65377000DY	65387000DY
8,0 m	65392200DY	65382200DY	65352200DY	65357200DY	65362200DY	65367200DY	65372200DY	65377200DY	65387200DY
9,0 m	65392400DY	65382400DY	65352400DY	65357400DY	65362400DY	65367400DY	65372400DY	65377400DY	65387400DY
10,0 m	65392600DY	65382600DY	65352600DY	65357600DY	65362600DY	65367600DY	65372600DY	65377600DY	65387600DY
12,5 m	65392700DY	65382700DY	65352700DY	65357700DY	65362700DY	65367700DY	65372700DY	65377700DY	65387700DY
15,0 m	65392800DY	65382800DY	65352800DY	65357800DY	65362800DY	65367800DY	65372800DY	65377800DY	65387800DY
20,0 m	65393000DY	65383000DY	65353000DY	65358000DY	65363000DY	65368000DY	65373000DY	65378000DY	65388000DY

1) FRNC/LS0H = Flame Retardant Non Corrosive / Low Smoke Zero Halogen

PATCH PANELS

for RJ45 modules, Cat.6$_A$/E$_A$, shielded
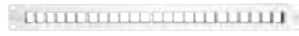
KS 24x
Keystone patch panel, unloaded, grey

KS 24x
Keystone patch panel, unloaded, black

alternative: CSA 24/8 Cat.6$_A$ Compact Solution with integrated RJ45 modules

KS 24x-a
Keystone patch panel, angled, unloaded

KS 48x
Keystone patch panel, unloaded, black

KS 48x-a
Keystone patch panel, angled, unloaded, black
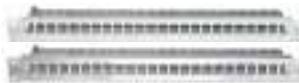
MGK 24x/16x
Keystone patch panel, unloaded, stainless steel and grey

MS-K 24x
for MS-K modules, unloaded, grey

MGK 48x
Keystone patch panel, unloaded, grey

Article No.	Description	Colour (similar to)	PU
418019	Patch panel KS 24x, straight, 19"/1U, for 24x RJ45 Keystone module, FTP (without modules)	black, RAL 9005	1 pc.
418020	Patch panel KS 24x, straight, 19"/1U, for 24x RJ45 Keystone module, FTP (without modules)	grey, RAL 7035	1 pc.
417980	Patch panel CSA Plus 24/8 with 24x RJ45 jack Cat.6$_A$ (IEC)	grey, RAL 7035	1 pc.
4000099	Patch panel KS 24x-a, angled, 19"/1U, for 24x RJ45 Keystone module, FTP (without modules)	black, RAL 9005	1 pc.
400098	Top cover for patch panel KS 24x-a, angled, to seperate the warm and cold airflow	steel	1 pc.
418120	Patch panel KS 48x, straight, 19"/1U, for 48x KS-TC Plus 1/8 Keystone module (without modules)	black, RAL 9005	1 pc.
418099	Patch panel KS 48x-a, angled, 19"/1U for 48x KS-TC Plus 1/8 Keystone module (without modules)	black, RAL 9005	1 pc.
440041	Patch panel MS-K 24x, straight, 19" 1U, for 24x MS-K module (without modules)	grey, RAL 7035	1 pc.
440042	Patch panel MGK 24x, straight, 19"/1U, for 24x KS-T Plus or KS-TC Plus Keystone module (without modules)	stainless steel	1 pc.
440043	Patch panel MGK 24x, straight, 19"/1U, for 24x KS-T Plus or KS-TC Plus Keystone module (without modules)	grey, RAL 7035	1 pc.
440053	Patch panel MGK 16x, straight, 19"/1U, for 16x KS-T Plus or KS-TC Plus Keystone module (without modules)	grey, RAL 7035	1 pc.
440051	Patch panel MGK 48x, straight, 19"/1.5U, for 48x KS-T Plus or KS-TC Plus Keystone module (without modules)	grey, RAL 7035	1 pc.
1401609	LSA plus/IDC insertion tool		1 pc.

ACCESSORIES

Cable management unit and panels

Blank plate

Blank covers for unused Keystone openings

Article No.	Description	Colour	PU
195041	Horizontal cable management unit, 1U	black	1 pc.
195042	Horizontal cable management unit, 2U	black	1 pc.
195043	Horizontal cable management unit, 3U	black	1 pc.
195097	19" cable management panel, 1U, five 40 x 80 mm rings	black	1 pc.
195098	19" cable management panel, 2U, five 80 x 60 mm rings	black	1 pc.
195220	19" cable management panel, 1U, five 40 x 50 mm rings	black	1 pc.
195221	19" cable management panel, 2U, five 80 x 80 mm rings	black	1 pc.
195184	19" blank plate, tool-less, 1U	black, RAL 7035	1 pc.
195185	19" blank plate, tool-less, 2U	black, RAL 7035	1 pc.
195186	19" blank plate, tool-less, 3U	black, RAL 7035	1 pc.
418010	Blank covers for unused KS openings in patch panels	black	10 pcs.
418011	Blank covers for unused KS openings in patch panels	white	10 pcs.

For more accessories please visit our website

FACEPLATES for RJ45 modules

	Article No.	Description	Colour (similar to)	PU
German standard				
1	185866	Faceplate for 1 module with Keystone snap-in fitting	white, RAL 9010	1 pc.
2	185867	Faceplate for 2 modules with Keystone snap-in fitting	white, RAL 9010	1 pc.
3	185869	Faceplate for 3 modules with Keystone snap-in fitting	white, RAL 9010	1 pc.
4	185861	Faceplate, straigth outlet, for 2x RJ45 Keystone module	white, RAL 9010	1 pc.
5	18587200ZY	Faceplate for 2 modules with Keystone snap-in fitting compatible with all customary TAE 3-fold central plates	white, RAL 9010	1 pc.
6	18587400ZY	Mounting bracket for 2 modules with Keystone snap-in fitting compatible with all customary TAE 3-fold central plates		1 pc.
French standard				
7	418030	Keystone, 1-port, 45 x 45 mm, for Module 45 system	bright white	1 pc.
8	418032	Keystone, 2-port, 45 x 45 mm, for Module 45 system	bright white	1 pc.
9	418031	Keystone, 1-port, slim, 45 x 22.5 mm, for Module 45 system	bright white	1 pc.
10	418033	Keystone, 2-port, 45 x 45 mm, angled	bright white	1 pc.
11	418029	Keystone, 1-port, 45 x 45 mm, angled	bright white	1 pc.
	418034	French Standard Faceplate for 45 x 45 mm bezel	bright white	1 pc.
British standard				
12	185862	Faceplate for 1 RJ45 Keystone module	white, RAL 9010	1 pc.
13	185863	Faceplate for 2 RJ45 Keystone modules	white, RAL 9010	1 pc.
American / Italian standard (503 design)				
14	440101	503 faceplate for 2 modules with Keystone snap-in fitting	white	100 pcs.
15	440102	503 faceplate for 3 modules with Keystone snap-in fitting	white	100 pcs.
16	440105	Blank cover for 503 faceplate	white	100 pcs.
17	440106	External wall box for 503 faceplate, depth 55 mm	white	100 pcs.
18	440111	RJ45 adapter for Bticino Axolute	silver	100 pcs.
19	440114	RJ45 adapter for Bticino Living International	black	100 pcs.
20	440115	RJ45 adapter for Bticino Living Light	white	100 pcs.
21	440120	RJ45 adapter for Bticino Matix	white	100 pcs.
22	440135	RJ45 adapter for Gewiss system	white	100 pcs.
23	440140	RJ45 adapter for Vimar Plana	white	100 pcs.
Universal				
24	418035	Surface mount box for 2 Keystone modules	white, RAL 9010	1 pc.
	418036	Surface mount box for 4 Keystone modules	white, RAL 9010	1 pc.
25	418037	Surface mount box with dust shutters for 2 Keystone modules	white, RAL 9010	1 pc.
	418038	Surface mount box with dust shutters for 4 Keystone modules	white, RAL 9010	1 pc.
26	309234	Surface mount box for 4 Keystone modules, 85 x 43.63 x 110 mm	metal / white	1 pc.
	309235	Surface mount box for 6 Keystone modules, 125 x 43.63 x 110 mm	metal / white	1 pc.
	309237	Surface mount box for 12 Keystone modules, 204.5 x 43.63 x 110 mm	metal / white	1 pc.
27	309238	Adapter plate for DIN rail mounting (delivery without M4 screws)	silver	1 pc.
28	309233	Mini adapter plate for DIN rail mounting (with M4 screw)	silver	1 pc.

1. 1-port, angled
2. 2-port, angled
3. 3-port, angled

Flush/duct mounted
Mounting plate: 70 x 70 mm
Central plate: 50 x 50 mm
Cover frame: 80 x 80 mm

4. 2-port, with straight outlet

Flush mounted
Central plate: 50 x 50 mm
Cover frame: 80 x 80 mm

5. 2-port, angled

Flush/duct mounted
Central plate: 50 x 50 mm
Cover frame: 80 x 80 mm

6. 2-port

Flush/duct mounted
and for floor box systems

7. Bezel, 1-port
8. Bezel, 2-port
9. Bezel, 1-port, slim

Flush mounted
Standard version: 45 x 45 mm
Slim version: 45 x 22.5 mm

10. Bezel, 2-port, angled

11. Bezel, 1-port, angled

11. 1-port, angled
12. 2-port, angled

13. 1-port, with straight outlet
14. 2-port, with straight outlet

14. 2-port faceplate
15. 3-port faceplate
16. Blank cover
17. External wall box

18. Bticino Axolute
19. Bticino Living International
20. Bticino Living Light
21. Bticino Matix
22. for Gewiss system
23. for Vimar Plana

24. Surface mount box
25. Surface mount box with dust shutters

for 2 modules: 68 x 65 x 30 mm
for 4 modules: 118 x 85 x 30 mm

26. Surface mount box for:
4 modules: 85 x 43.63 x 110 mm
6 modules: 125 x 43.63 x 110 mm
12 modules: 204.5 x 43.63 x 110 mm

27. Adapter plate
28. Mini adapter plate

COPPER SOLUTIONS - 10 Gbit/s
UTP

DATA CABLE - CATEGORY 6$_A$

U/UTP
(with cross)

Copper data cable, up to 500 MHz,
for structured premises cabling.
Applicable standards: EN 50173-1 and
EN 50288-11-1, ISO/IEC 11801.
Applicable up to 10GBase-T.

Article No.	Dimensions n x n x mm (AWG)	Sheath	Sheath Ø mm	Weight kg/km	Cu weight kg/km	Colour	PU	PoE
CU 692 4P, U/UTP, AWG23, Category 6$_A$ data cable, unshielded								
19462600DL	4 x 2 x 0.57 (AWG23)	FRNC/LSOH [1]	7.9	60.0	21.64	orange	500 m drum	

The "D" in these article numbers stands for Euroclass D$_{ca}$. For higher fire performance requirements, Datwyler offers these cables also with Class C$_{ca}$ or even B2$_{ca}$ performance.
For the available Euroclasses please refer to the online data sheets on datwyler-itinfra.com.

[1] FRNC/LS0H = Flame Retardant Non Corrosive/Low Smoke Zero Halogen

RJ45 MODULES

unshielded

PoE++

KU-TC Plus 1/8 Cat. 6$_A$ tool-less, unshielded

Article No.	Description	Colour	PU
41807400ZF	RJ45 module KU-TC Plus Cat.6$_A$ toolless, unshielded	white	12 pcs.
41807500ZF	RJ45 module KU-TC Plus Cat.6$_A$ toolless, unshielded	black	12 pcs.
418062	Dust shutters for module KU-TC Plus Cat.6$_A$ (1 set = 10 pcs.)	white	1 set
418063	Dust shutters for moduler KU-TC Plus Cat.6$_A$ (1 set = 10 pcs.)	black	1 set
418064	Dust shutters for module KU-TC Plus Cat.6$_A$ (1 set = 10 pcs.)	yellow	1 set
418065	Dust shutters for module KU-TC Plus Cat.6$_A$ (1 set = 10 pcs.)	blue	1 set
418066	Dust shutters for module KU-TC Plus Cat.6$_A$ (1 set = 10 pcs.)	green	1 set
418067	Dust shutters for module KU-TC Plus Cat.6$_A$ (1 set = 10 pcs.)	red	1 set

PATCH CORDS

**RJ45, Cat. 6$_A$/E$_A$, 500 MHz,
unshielded, wiring 1:1, AWG 24**

Length	Datwyler RJ45 patch cord, Cat.6$_A$/E$_A$, unshielded, wiring 1:1 (FRNC/LS0H[1])
	grey
0.5 m	65547000ZY
1.0 m	65547100ZY
1.5 m	65547200ZY
2.0 m	65547300ZY
3.0 m	65547500ZY
5.0 m	65547700ZY
7.0 m	65547900ZY
10.0 m	65548200ZY

[1] FRNC/LS0H = Flame Retardant Non Corrosive/Low Smoke Zero Halogen

All patch cords are availlable up to 10 m. Anti-snag boots availlable in different colours.

PATCH PANELS

for RJ45 modules, Cat. 6$_A$, unshielded

Patch panel KU 24x-sg
staggered, unshielded

Article No.	Description	Colour (similar to)	PU
418027	Patch panel KU 24x-sg, 19"/1U , for 24x RJ45 Cat. 6$_A$ Keystone module UTP (delivery without modules)	grey, RAL 7035	1 pc.
418028	Patch panel KU 24x-sg, 19"/1U , for 24x RJ45 Cat. 6$_A$ Keystone module UTP (delivery without modules)	black, RAL 9005	1 pc.

ACCESSORIES

Cable management unit and panels

Blank plate

Blank covers for unused
Keystone openings

Article No.	Description	Colour	PU
195041	Horizontal cable management unit, 1U	black	1 pc.
195042	Horizontal cable management unit, 2U	black	1 pc.
195043	Horizontal cable management unit, 3U	black	1 pc.
195097	19" cable management panel, 1U, five 40 x 80 mm rings	black	1 pc.
195098	19" cable management panel, 2U, five 80 x 60 mm rings	black	1 pc.
195220	19" cable management panel, 1U, five 40 x 50 mm rings	black	1 pc.
195221	19" cable management panel, 2U, five 80 x 80 mm rings	black	1 pc.
195184	19" blank plate, tool-less, 1U	black, RAL 7035	1 pc.
195185	19" blank plate, tool-less, 2U	black, RAL 7035	1 pc.
195186	19" blank plate, tool-less, 3U	black, RAL 7035	1 pc.
418010	Blank covers for unused KS openings in patch panels	black	10 pcs.
418011	Blank covers for unused KS openings in patch panels	white	10 pcs.

For more accessories please visit our website

FACEPLATES for RJ45 modules

	Article No.	Description	Colour (similar to)	PU	
German standard					
1	185866	Faceplate for 1 module with Keystone snap-in fitting	white, RAL 9010	1 pc.	
2	185867	Faceplate for 2 modules with Keystone snap-in fitting	white, RAL 9010	1 pc.	
3	185869	Faceplate for 3 modules with Keystone snap-in fitting	white, RAL 9010	1 pc.	
4	185861	Faceplate, straigth outlet, for 2x RJ45 Keystone module	white, RAL 9010	1 pc.	
5	18587200ZY	Faceplate for 2 modules with Keystone snap-in fitting compatible with all customary TAE 3-fold central plates	white, RAL 9010	1 pc.	
6	18587400ZY	Mounting bracket for 2 modules with Keystone snap-in fitting compatible with all customary TAE 3-fold central plates		1 pc.	

1. 1-port, angled
2. 2-port, angled
3. 3-port, angled

Flush/duct mounted
Mounting plate: 70 x 70 mm
Central plate: 50 x 50 mm
Cover frame: 80 x 80 mm

4. 2-port, with straight outlet

Flush mounted
Central plate: 50 x 50 mm
Cover frame: 80 x 80 mm

5. 2-port, angled

Flush/duct mounted
Central plate: 50 x 50 mm
Cover frame: 80 x 80 mm

6. 2-port

Flush/duct mounted
and for floor box systems

	Article No.	Description	Colour (similar to)	PU
French standard				
7	418030	Keystone, 1-port, 45 x 45 mm, for Module 45 system	bright white	1 pc.
8	418032	Keystone, 2-port, 45 x 45 mm, for Module 45 system	bright white	1 pc.
9	418031	Keystone, 1-port, slim, 45 x 22.5 mm, for Module 45 system	bright white	1 pc.
10	418033	Keystone, 2-port, 45 x 45 mm, angled	bright white	1 pc.
11	418029	Keystone, 1-port, 45 x 45 mm, angled	bright white	1 pc.
	418034	French Standard Faceplate for 45 x 45 mm bezel	bright white	1 pc.

7. Bezel, 1-port
8. Bezel, 2-port
9. Bezel, 1-port, slim

Flush mounted
Standard version: 45 x 45 mm
Slim version: 45 x 22.5 mm

10. Bezel, 2-port, angled

11. Bezel, 1-port, angled

	Article No.	Description	Colour (similar to)	PU
British standard				
12	185862	Faceplate for 1 RJ45 Keystone module	white, RAL 9010	1 pc.
13	185863	Faceplate for 2 RJ45 Keystone modules	white, RAL 9010	1 pc.

11. 1-port, angled
12. 2-port, angled

13. 1-port, with straight outlet
14. 2-port, with straight outlet

	Article No.	Description	Colour (similar to)	PU
American / Italian standard (503 design)				
14	440101	503 faceplate for 2 modules with Keystone snap-in fitting	white	100 pcs.
15	440102	503 faceplate for 3 modules with Keystone snap-in fitting	white	100 pcs.
16	440105	Blank cover for 503 faceplate	white	100 pcs.
17	440106	External wall box for 503 faceplate, depth 55 mm	white	100 pcs.
18	440111	RJ45 adapter for Bticino Axolute	silver	100 pcs.
19	440114	RJ45 adapter for Bticino Living International	black	100 pcs.
20	440115	RJ45 adapter for Bticino Living Light	white	100 pcs.
21	440120	RJ45 adapter for Bticino Matix	white	100 pcs.
22	440135	RJ45 adapter for Gewiss system	white	100 pcs.
23	440140	RJ45 adapter for Vimar Plana	white	100 pcs.

14. 2-port faceplate
15. 3-port faceplate
16. Blank cover
17. External wall box

18. Bticino Axolute
19. Bticino Living International
20. Bticino Living Light
21. Bticino Matix
22. for Gewiss system
23. for Vimar Plana

	Article No.	Description	Colour (similar to)	PU
Universal				
24	418035	Surface mount box for 2 Keystone modules	white, RAL 9010	1 pc.
	418036	Surface mount box for 4 Keystone modules	white, RAL 9010	1 pc.
25	418037	Surface mount box with dust shutters for 2 Keystone modules	white, RAL 9010	1 pc.
	418038	Surface mount box with dust shutters for 4 Keystone modules	white, RAL 9010	1 pc.
26	309234	Surface mount box for 4 Keystone modules, 85 x 43.63 x 110 mm	metal / white	1 pc.
	309235	Surface mount box for 6 Keystone modules, 125 x 43.63 x 110 mm	metal / white	1 pc.
	309237	Surface mount box for 12 Keystone modules, 204.5 x 43.63 x 110 mm	metal / white	1 pc.
27	309238	Adapter plate for DIN rail mounting (delivery without M4 screws)	silver	1 pc.
28	309233	Mini adapter plate for DIN rail mounting (with M4 screw)	silver	1 pc.

24. Surface mount box

25. Surface mount box with dust shutters

for 2 modules: 68 x 65 x 30 mm
for 4 modules: 118 x 85 x 30 mm

26. Surface mount box for:
4 modules: 85 x 43.63 x 110 mm
6 modules: 125 x 43.63 x 110 mm
12 modules: 204.5 x 43.63 x 110 mm

27. Adapter plate
28. Mini adapter plate

Subject to technical modification.

DATA CABLE - CATEGORY 8

Copper data cables, up to 2000 MHz, 4 x 2 x AWG23,
for data centre and structured premises cabling.
Applicable standards: EN 50173-1:2002, ISO/IEC 11801:2002/A2:2010.
Application up to 40GBase-T, reserves for future applications.
Developed for 40GBase-T and a transmission distance of 30 m.
Optimised for broadband video signals, e.g. analogue and digital TV signals.
PoE+ and PoE++/4PPoE-ready (max. 100 W).
Particularly suitable for Class I and Class II networks.

S/FTP

CU 8203 4P, S/FTP, AWG 23, shielded

Article No.	Dimensions	Sheath	Sheath Ø	Weight	Cu weight	Fire load		Colour	PU	PoE
	n x n x mm (AWG)		mm	kg/km	kg/km	kWh/m	MJ/m			
19200900DK	4 x 2 x 0.59 (AWG23)	FRNC/LS0H[1]	8.1	67.3	33.2	0.18	0.65	orange	1000 m drum	4PPoE

DATA CABLE - 25 GBIT/S

Copper data cable, up to 2000 MHz, 4 x 2 x AWG22,
for data centre and structured premises cabling.
Applicable standards: EN 50173-1:2002, ISO/IEC 11801:2002/A2:2010.
Application up to 25GBase-T, reserves for future applications.
Developed for 25GBase-T and a transmission distance of 50 m.
Optimised for broadband video signals, e.g. analogue and digital TV signals.
PoE+ and PoE++/4PPoE-ready (max. 100 W).

S/FTP

CU 7725 4P, S/FTP, AWG22, shielded, 25GBase-T

Article No.	Dimensions	Sheath	Sheath Ø	Weight	Cu weight	Fire load		Colour	PU	PoE
	n x n x mm (AWG)		mm	kg/km	kg/km	kWh/m	MJ/m			
19434900DK	4 x 2 x 0.62 (AWG22)	FRNC/LS0H	7.6	62	34.9	0.18	0.64 MJ/m	orange	1000 m drum	4PPoE
19435000DL	2 x (4 x 2 x 0.62 (AWG22))	FRNC/LS0H	7.6 x 16.2	125	69.8	0.36	2.18 MJ/m	orange	500 m drum	4PPoE

The "D" in these article numbers stands for Euroclass D_{ca}. For higher fire performance requirements, Datwyler offers these cables also with Class C_{ca} or even $B2_{ca}$ performance.
For the available Euroclasses please refer to the online data sheets on datwyler-itinfra.com..
[1] FRNC/LS0H = Flame Retardant Non Corrosive/Low Smoke Zero Halogen

MODULES

KS-T8 Class I, tool-less , shielded

RJ45 Keystone module.
Developed for 25/40GBase-T.

KS-T8 Class I, toolless

Article No.	Description	Colour	PU
440071	RJ45 module KS-T8 Class I, tool-less, shielded, with dust shutter (grey)	metal	12 pcs.

PS-GG45, Cat.7$_A$, shielded

Specifically designed for applications beyond 10GBase-T.
PS-GG45: The "Two-in-One" module has 12 contacts that can be used
in two different transmission modes: Standard = RJ45, High-Speed = GG45..

PS-GG45 7$_A$, Cat. 7$_A$

Article No.	Description	Colour	PU
400102	Module PS-GG45 7$_A$, 1000 MHz, 4P, Two-in-One, shielded	metal	10 pcs.
400103	Module PS-GG45 7$_A$, 1000 MHz, 4P, Two-in-One, shielded, for stranded wires	metal	10 pcs.

PATCH CORDS

RJ45, 2000 MHz, shielded, wiring 1:1

with CU 8206 4P flex, Cat. 8
suitable for 25GBase-T and 40GBase-T transmission

Article No.	Patch cord	Cable	Cable colour	Wiring
available lengths on request	RJ45 patch cord, 2000 MHz	FRNC/LS0H	grey	1:1

GG45™ connecting system
Measurement / Patch cord GG45 7$_A$, 1000 MHz, 4P, shielded
Adapter patch cord PS-GG45 / RJ45, 4P, shielded

The measurement cords PS-GG45 7$_A$, 1000 MHz, 4P, are primarily needed for acceptance measurements.
The PS-GG45 plugs are not backward compatible with RJ45 jacks. The combination of a high-performance PS-GG45 cabling system with RJ45 active devices can only be achieved with adapter patch cords (PS-GG45 to RJ45).

Measurement / patch cord   Adapter patch cord

Article No.	Length m	Description	Plug 1	Plug 2	Cable	Cable colour	Wiring
400120	2.0	Measurement/patch cord 4P, 1000 MHz	PS-GG45 7$_A$	PS-GG45 7$_A$	FRNC/LS0H	orange	1:1
400121	1.0	Adapter patch cord 4P	PS-GG45 7$_A$	RJ45	FRNC/LS0H	orange	1:1
400122	2.0	Adapter patch cord 4P	PS-GG45 7$_A$	RJ45	FRNC/LS0H	orange	1:1
400123	3.0	Adapter patch cord 4P	PS-GG45 7$_A$	RJ45	FRNC/LS0H	orange	1:1
400125	5.0	Adapter patch cord 4P	PS-GG45 7$_A$	RJ45	FRNC/LS0H	orange	1:1

GG45^{TM} is a registered tradename of Nexans.

PATCH PANELS

for RJ45 module KS-T8 Class I
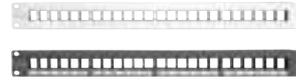
KS 24x
Keystone patch panel, unloaded

KS 24x-a, angled,
Keystone patch panel, unloaded

KS 48x
Keystone patch panel,
unloaded, black

KS 48x-a, angled,
Keystone patch panel,
unloaded, black

MGK 24x
Keystone patch panel,
unloaded, stainless steel

MGK 24x/16x,
Keystone patch panel,
unloaded, grey

Article No.	Description	Colour (similar to)	PU
418019	Patch panel KS 24x, straight, 19"/1U, for 24x RJ45 Keystone module, FTP (without modules)	black, RAL 9005	1 pc.
418020	Patch panel KS 24x, straight, 19"/1U, for 24x RJ45 Keystone module, FTP (without modules)	grey, RAL 7035	1 pc.
4000099	Patch panel KS 24x-a angled, 19"/1U, for 24x RJ45 Keystone module, FTP (without modules)	black, RAL 9005	1 pc.
418120	Patchpanel KS 48x, straight, 19"/1U, for 48x RJ45 Keystone module, FTP (without modules))	black, RAL 9005	1 pc.
418099	Patchpanel KS 48x-a, angled, 19"/1U for 48x RJ45 Keystone module, FTP (without modules)	black, RAL 9005	1 pc.
440042	Patchpanel MGK 24x, straight, 19"/1U, for 24x RJ45 Keystone module, FTP (without modules)	stainless steel	1 pc.
440043	Patchpanel MGK 24x, straight, 19"/1U, for 24x RJ45 Keystone module, FTP (without modules)	grey, RAL 7035	1 pc.

for PS-GG45 7$_A$ and PS-TERA 4P modules

MPS 24x for PS-TERA 4P

MGK 24x for PS-GG45

MGK 48x for PS-GG45

Article No.	Description	Colour/Material	PU
185840	Patch panel MPS 24x, 19"/1U, for 24x PS-TERA 4P modules (without modules)	grey, RAL 7035	1 pc.
185841	Patch panel MPS 24x, 19"/1U, for 24x PS-TERA 4P modules (without modules)	stainless steel, blank	1 pc.
440042	Patch panel MGK 24x, 19"/1U, for 24x RJ45 Keystone modules, FTP (without modules) especially for PS-GG45 7$_A$ modules	stainless steel, blank	1 pc.
440043	Patch panel MGK 24x, 19"/1U, for 24x RJ45 Keystone modules, FTP (without modules) especially for PS-GG45 7$_A$ modules	grey, RAL 7035	1 pc.
440051	Patch panel MGK 48x 19"/1,5U, for 48x RJ45 Keystone modules, FTP (without modules) especially for PS-GG45 7$_A$ modules	grey, RAL7035	1 pc.

ACCESSORIES

Cable management unit and panels

Blank plate

Blank covers for unused
Keystone openings

Article No.	Description	Colour (similar to)	PU
195041	Horizontal cable management unit, 1U	black	1 pc.
195042	Horizontal cable management unit, 2U	black	1 pc.
195043	Horizontal cable management unit, 3U	black	1 pc.
195097	19" cable management panel, 1U, five 40 x 80 mm rings	black	1 pc.
195098	19" cable management panel, 2U, five 80 x 60 mm rings	black	1 pc.
195220	19" cable management panel, 1U, five 40 x 50 mm rings	black	1 pc.
195221	19" cable management panel, 2U, five 80 x 80 mm rings	black	1 pc.
195184	19" blank plate, tool-less, 1U	black, RAL 7035	1 pc.
195185	19" blank plate, tool-less, 2U	black, RAL 7035	1 pc.
195186	19" blank plate, tool-less, 3U	black, RAL 7035	1 pc.
418010	Blank covers for unused KS openings in patch panels	black	10 pcs.
418011	Blank covers for unused KS openings in patch panels	white	10 pcs.
400105	Termination tool for PS-GG45	red	1 pc.
1409210	PS-TERA tool for easy cable preparation	yellow	1 pc.
1412330	Parallel pliers for termination of modules	blue	1 pc.

For more accessories please visit our website

FACEPLATES for RJ45 modules

	Article No.	Description	Colour (similar to)	PU	
German standard					
1	185866	Faceplate for 1 module with Keystone snap-in fitting	white, RAL 9010	1 pc.	1. 1-port, angled
2	185867	Faceplate for 2 modules with Keystone snap-in fitting	white, RAL 9010	1 pc.	2. 2-port, angled
3	185869	Faceplate for 3 modules with Keystone snap-in fitting	white, RAL 9010	1 pc.	3. 3-port, angled
4	185861	Faceplate, straigth outlet, for 2x RJ45 Keystone module	white, RAL 9010	1 pc.	4. 2-port, with straight outlet

1. 1-port, angled
2. 2-port, angled
3. 3-port, angled
4. 2-port, with straight outlet

Flush/duct mounted
Mounting plate: 70 x 70 mm
Central plate: 50 x 50 mm
Cover frame: 80 x 80 mm

Flush mounted
Central plate: 50 x 50 mm
Cover frame: 80 x 80 mm

	Article No.	Description	Colour (similar to)	PU
French standard				
5	418030	Keystone, 1-port, 45 x 45 mm, for Module 45 system	bright white	1 pc.
6	418032	Keystone, 2-port, 45 x 45 mm, for Module 45 system	bright white	1 pc.
7	418031	Keystone, 1-port, slim, 45 x 22.5 mm, for Module 45 system	bright white	1 pc.
8	418033	Keystone, 2-port, 45 x 45 mm, angled	bright white	1 pc.
9	418029	Keystone, 1-port, 45 x 45 mm, angled	bright white	1 pc.
	418034	French Standard Faceplate for 45 x 45 mm bezel	bright white	1 pc.

5. Bezel, 1-port
6. Bezel, 2-port
7. Bezel, 1-port, slim
8. Bezel, 2-port, angled
9. Bezel, 1-port, angled

Flush mounted
Standard version: 45 x 45 mm
Slim version: 45 x 22.5 mm

	Article No.	Description	Colour (similar to)	PU
British standard				
10	185862	Faceplate for 1 RJ45 Keystone module	white, RAL 9010	1 pc.
11	185863	Faceplate for 2 RJ45 Keystone modules	white, RAL 9010	1 pc.

10. 1-port, angled   Flush/duct mounted
11. 2-port, angled   Cover frame: 86 x 86 mm

	Article No.	Description	Colour (similar to)	PU
American / Italian standard (503 design)				
12	440101	503 faceplate for 2 modules with Keystone snap-in fitting	white	100 pcs.
13	440102	503 faceplate for 3 modules with Keystone snap-in fitting	white	100 pcs.
14	440105	Blank cover for 503 faceplate	white	100 pcs.
15	440106	External wall box for 503 faceplate, depth 55 mm	white	100 pcs.
16	440111	RJ45 adapter for Bticino Axolute	silver	100 pcs.
17	440114	RJ45 adapter for Bticino Living International	black	100 pcs.
18	440115	RJ45 adapter for Bticino Living Light	white	100 pcs.
19	440120	RJ45 adapter for Bticino Matix	white	100 pcs.
20	440135	RJ45 adapter for Gewiss system	white	100 pcs.
21	440140	RJ45 adapter for Vimar Plana	white	100 pcs.

12. 2-port faceplate
13. 3-port faceplate
14. Blank cover
15. External wall box
16. Bticino Axolute
17. Bticino Living International
18. Bticino Living Light
19. Bticino Matix
20. for Gewiss system
21. for Vimar Plana

	Article No.	Description	Colour (similar to)	PU
Universal				
22	418035	Surface mount box for 2 Keystone modules	white, RAL 9010	1 pc.
	418036	Surface mount box for 4 Keystone modules	white, RAL 9010	1 pc.
23	418037	Surface mount box with dust shutters for 2 Keystone modules	white, RAL 9010	1 pc.
	418038	Surface mount box with dust shutters for 4 Keystone modules	white, RAL 9010	1 pc.
24	309234	Surface mount box for 4 Keystone modules, 85 x 43,63 x 110 mm	metal / white	1 pc.
	309235	Surface mount box for 6 Keystone modules, 125 x 43,63 x 110 mm	metal / white	1 pc.
	309237	Surface mount box for 12 Keystone modules, 204,5 x 43,63 x 110 mm	metal / white	1 pc.
25	309238	Adapter plate for DIN rail mounting (delivery without M4 screws)	silver	1 pc.
26	309233	Mini adapter plate for DIN rail mounting (with M4 screw)	silver	1 pc.

22. Surface mount box
23. Surface mount box with dust shutters

for 2 modules: 68 x 65 x 30 mm
for 4 modules: 118 x 85 x 30 mm

24. Surface mount box for
4 modules: 85 x 43,63 x 110 mm
6 modules: 125 x 43,63 x 110 mm
12 modules: 204,5 x 43,63 x 110 mm

25. Adapter plate
26. Mini adapter plate

DATA CABLE - CATEGORY 6

Copper data cable, up to 300 MHz,
for structured premises cabling.
Applicable standards: EN 50173-1:2002,
ISO/IEC 11801:2002/A2:2010.
Applicable up to 1000Base-T.

U/UTP
(with cross)

Article No.	Dimensions n x n x mm (AWG)	Sheath	Sheath Ø mm	Weight kg/km	Cu weight kg/km	Fire load KWh/m	MJ/m	Colour	PU	PoE
CU 662 4P, U/UTP, AWG24 (with cross), unshielded										
19463101DL	4 x 2 x 0.55 (AWG24)	FR/PVC [1]	6.0	49	19.4	0.20	0.72	grey	305 m reel in box	
19463101DS	4 x 2 x 0.55 (AWG24)	FRNC/LSOH [2]	6.0	49	19.4	0.17	0.60	orange	305 m reel in box	

The "D" in these article numbers stands for Euroclass D_{ca}. For other fire performance requirements, Datwyler offers these cables also with Class E_{ca}, C_{ca} or even $B2_{ca}$ performance.
For the available Euroclasses please refer to the online data sheets on datwyler-itinfra.com.
[1] FRNC/LS0H = Flame Retardant Non Corrosive/Low Smoke Zero Halogen

RJ45 MODULES

unshielded

KU-T 1/8 Cat.6, unshielded,
tool-less

Article No.	Description	Colour	PU
41807000ZF	RJ45 module KU-T 1/8 Cat.6, unshielded, tool-less	white	12 pcs.
41807100ZF	RJ45 module KU-T 1/8 Cat.6, unshielded, tool-less	black	12 pcs.

PATCH CORDS

RJ45, Cat. 6, 250 MHz, unshielded,

4P, wiring 1:1, AWG 24

U/UTP, with FRNC/LSZH sheath

Length	FRNC/LSZH[1]						
	grey	green	yellow	red	blue	white	black
1.0 m	309321	65185800ZY	65170800ZY	65180800ZY	65175800ZY	65165800ZY	65160800ZY
1.5 m	309322	65185900ZY	65170900ZY	65180900ZY	65175900ZY	65165900ZY	65160900ZY
2.0 m	309323	65186000ZY	65171000ZY	65181000ZY	65176000ZY	65166000ZY	65161000ZY
2.5 m		65186100ZY	65171100ZY	65181100ZY	65176100ZY	65166100ZY	65161100ZY
3.0 m	309325	65186200ZY	65171200ZY	65181200ZY	65176200ZY	65166200ZY	65161200ZY
4.0 m	309326	65186400ZY	65171400ZY	65181400ZY	65176400ZY	65166400ZY	65161400ZY
5.0 m	309327	65186600ZY	65171600ZY	65181600ZY	65176600ZY	65166600ZY	65161600ZY
7.0 m	309329	65187000ZY	65172000ZY	65182000ZY	65177000ZY	65167000ZY	65162000ZY
10.0 m	309331	65187600ZY	65172600ZY	65182600ZY	65177600ZY	65167600ZY	65162600ZY

[1] FRNC/LSZH = Flame Retardant Non Corrosive/Low Smoke Zero Halogen

RJ45, Cat. Cat.5/5e, 100 MHz, shielded,

4P, wiring 1:1, AWG 26

S/UTP, with FRNC/LSZH or FR/PVC sheath

Length	FRNC/LSZH[1]						
	black	blue	green	grey	orange	violet	yellow
0.5 m	65285300ZY	65270300ZY	65255300ZY	65250300ZY	65275300ZY	65280300ZY	65260300ZY
1.0 m	65285800ZY	65270800ZY	65255800ZY	65250800ZY	65275800ZY	65280800ZY	65260800ZY
1.5 m	65285900ZY	65270900ZY	65255900ZY	65250900ZY	65275900ZY	65280900ZY	65260900ZY
2.0 m	65286000ZY	65271000ZY	65256000ZY	65251000ZY	65276000ZY	65281000ZY	65261000ZY
2.5 m	65286100ZY	65271100ZY	65256200ZY	65256100ZY	65276100ZY	65281100ZY	65261100ZY
3.0 m	65286200ZY	65271200ZY	65256300ZY	65256200ZY	65276200ZY	65281200ZY	65261200ZY
3.5 m	65286300ZY	65271300ZY	65256400ZY	65256300ZY	65276300ZY	65281300ZY	65261300ZY
4.0 m	65286400ZY	65271400ZY	65256600ZY	65256400ZY	65276400ZY	65281400ZY	65261400ZY
5.0 m	65286600ZY	65271600ZY	65256800ZY	65256600ZY	65276600ZY	65281600ZY	65261600ZY
6.0 m	65286800ZY	65271800ZY	65257000ZY	65256800ZY	65276800ZY	65281800ZY	65261800ZY
7.0 m	65287000ZY	65272000ZY	41595900ZY	65257000ZY	65277000ZY	65282000ZY	65262000ZY
8.0 m	65287200ZY	65272200ZY	65257200ZY	65252200ZY	65277200ZY	65282200ZY	65262200ZY
9.0 m	65287400ZY	65272400ZY	65257400ZY	65252400ZY	65277400ZY	65282400ZY	65262400ZY
10.0 m	65287600ZY	65272600ZY	65257600ZY	65252600ZY	65277600ZY	65282600ZY	65262600ZY

Variants on request.

Length	FR/PVC[2]						
	black	blue	green	grey	red	violet	yellow
0.5 m	65225300ZY	65220300ZY	65205300ZY	65200300ZY	65215300ZY	65230300ZY	65210300ZY
1.0 m	65225800ZY	65220800ZY	65205800ZY	65200800ZY	65215800ZY	65230800ZY	65210800ZY
1.5 m	65225900ZY	65220900ZY	65205900ZY	65200900ZY	65215900ZY	65230900ZY	65210900ZY
2.0 m	65226000ZY	65221000ZY	65206000ZY	65201000ZY	65216000ZY	65231000ZY	65211000ZY
2.5 m	65226100ZY	65221100ZY	65206100ZY	65201100ZY	65216100ZY	65231100ZY	65211100ZY
3.0 m	65226200ZY	65221200ZY	65206200ZY	65201200ZY	65216200ZY	65231200ZY	65211200ZY
3.5 m	65226300ZY	65221300ZY	65206300ZY	65201300ZY	65216300ZY	65231300ZY	65211300ZY
4.0 m	65226400ZY	65221400ZY	65206400ZY	65201400ZY	65216400ZY	65231400ZY	65211400ZY
5.0 m	65226600ZY	65221600ZY	65206600ZY	65201600ZY	65216600ZY	65231600ZY	65211600ZY
6.0 m	65226800ZY	65221800ZY	65206800ZY	65201800ZY	65216800ZY	65231800ZY	65211800ZY
7.0 m	65227000ZY	65222000ZY	65207000ZY	65202000ZY	65217000ZY	65232000ZY	65212000ZY
8.0 m	65227200ZY	65222200ZY	65207200ZY	65202200ZY	65217200ZY	65232200ZY	65212200ZY
9.0 m	65227400ZY	65222400ZY	65207400ZY	65202400ZY	65217400ZY	65232400ZY	65212400ZY
10.0 m	65227600ZY	65222600ZY	65207600ZY	65202600ZY	65217600ZY	65232600ZY	65212600ZY

Variants on request.

[1] FRNC/LSZH = Flame Retardant Non Corrosive/Low Smoke Zero Halogen
[2] FR/PVC = Flame Retardant/Polyvinylchlorid

Subject to technical modification.

PATCH PANELS
for RJ45 modules, Cat. 6, unshielded

KU 24x
Keystone patch panel, unloaded

CUP 24/8 Cat.6, with integrated
RJ45 modules, unshielded

Article No.	Description	Colour (similar to)	PU
418021	Patch panel KU 24x, 19"/1U, for 24x RJ45 Keystone module UTP (without modules)	grey, RAL 7035	1 pc.
418022	Patch panel KU 24x, 19"/1U, for 24x RJ45 Keystone module UTP (without modules)	black, RAL 9005	1 pc.
418005	Patch panel CUP 24/8, Cat. 6, unshielded, with 24x RJ45 module	black, RAL 9005	1 pc

ACCESSORIES

Cable management unit and panels

Blank plate

Blank covers for unused
Keystone openings

Article No.	Description	Colour (similar to)	PU
195041	Horizontal cable management unit, 1U	black	1 pc.
195042	Horizontal cable management unit, 2U	black	1 pc.
195043	Horizontal cable management unit, 3U	black	1 pc.
195097	19" cable management panel, 1U, five 40 x 80 mm rings	black	1 pc.
195098	19" cable management panel, 2U, five 80 x 60 mm rings	black	1 pc.
195220	19" cable management panel, 1U, five 40 x 50 mm rings	black	1 pc.
195221	19" cable management panel, 2U, five 80 x 80 mm rings	black	1 pc.
195184	19" blank plate, tool-less, 1U	black, RAL 7035	1 pc.
195185	19" blank plate, tool-less, 2U	black, RAL 7035	1 pc.
195186	19" blank plate, tool-less, 3U	black, RAL 7035	1 pc.
418010	Blank covers for unused KS openings in patch panels	black	10 pcs.
418011	Blank covers for unused KS openings in patch panels	white	10 pcs.

For more accessories please visit our website
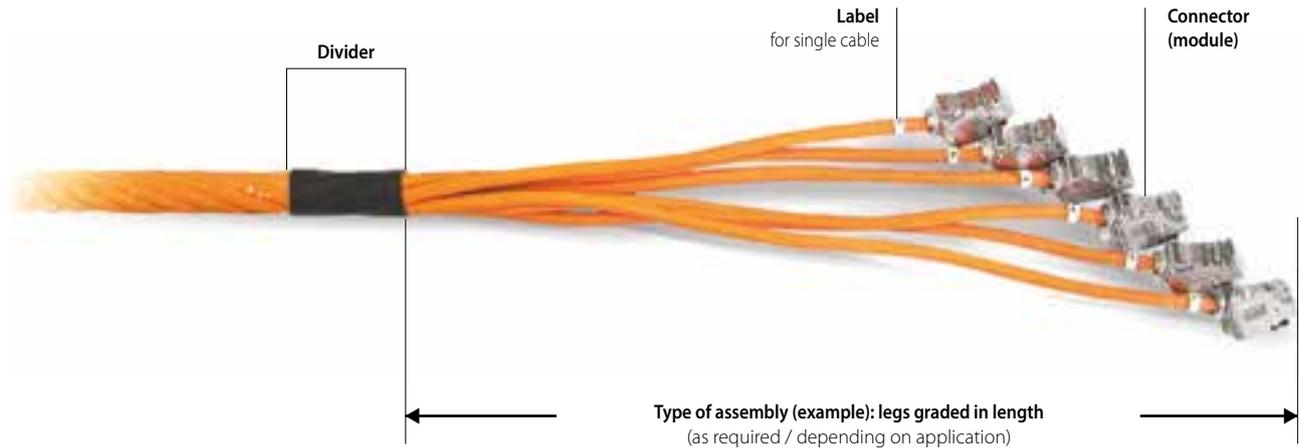
FACEPLATES for RJ45 modules

	Article No.	Description	Colour (similar to)	PU
German standard				
1	185866	Faceplate for 1 module with Keystone snap-in fitting	white, RAL 9010	1 pc.
2	185867	Faceplate for 2 modules with Keystone snap-in fitting	white, RAL 9010	1 pc.
3	185869	Faceplate for 3 modules with Keystone snap-in fitting	white, RAL 9010	1 pc.
4	185861	Faceplate, straigth outlet, for 2x RJ45 Keystone module	white, RAL 9010	1 pc.
5	18587200ZY	Faceplate for 2 modules with Keystone snap-in fitting compatible with all customary TAE 3-fold central plates	white, RAL 9010	1 pc.
6	18587400ZY	Mounting bracket for 2 modules with Keystone snap-in fitting compatible with all customary TAE 3-fold central plates		1 pc.
French standard				
7	418030	Keystone, 1-port, 45 x 45 mm, for Module 45 system	bright white	1 pc.
8	418032	Keystone, 2-port, 45 x 45 mm, for Module 45 system	bright white	1 pc.
9	418031	Keystone, 1-port, slim, 45 x 22.5 mm, for Module 45 system	bright white	1 pc.
10	418033	Keystone, 2-port, 45 x 45 mm, angled	bright white	1 pc.
11	418029	Keystone, 1-port, 45 x 45 mm, angled	bright white	1 pc.
	418034	French Standard Faceplate for 45 x 45 mm bezel	bright white	1 pc.
British standard				
12	185862	Faceplate for 1 RJ45 Keystone module	white, RAL 9010	1 pc.
13	185863	Faceplate for 2 RJ45 Keystone modules	white, RAL 9010	1 pc.
American / Italian standard (503 design)				
14	440101	503 faceplate for 2 modules with Keystone snap-in fitting	white	100 pcs.
15	440102	503 faceplate for 3 modules with Keystone snap-in fitting	white	100 pcs.
16	440105	Blank cover for 503 faceplate	white	100 pcs.
17	440106	External wall box for 503 faceplate, depth 55 mm	white	100 pcs.
18	440111	RJ45 adapter for Bticino Axolute	silver	100 pcs.
19	440114	RJ45 adapter for Bticino Living International	black	100 pcs.
20	440115	RJ45 adapter for Bticino Living Light	white	100 pcs.
21	440120	RJ45 adapter for Bticino Matix	white	100 pcs.
22	440135	RJ45 adapter for Gewiss system	white	100 pcs.
23	440140	RJ45 adapter for Vimar Plana	white	100 pcs.
Universal				
24	418035	Surface mount box for 2 Keystone modules	white, RAL 9010	1 pc.
	418036	Surface mount box for 4 Keystone modules	white, RAL 9010	1 pc.
25	418037	Surface mount box with dust shutters for 2 Keystone modules	white, RAL 9010	1 pc.
	418038	Surface mount box with dust shutters for 4 Keystone modules	white, RAL 9010	1 pc.
26	309234	Surface mount box for 4 Keystone modules, 85 x 43.63 x 110 mm	metal / white	1 pc.
	309235	Surface mount box for 6 Keystone modules, 125 x 43.63 x 110 mm	metal / white	1 pc.
	309237	Surface mount box for 12 Keystone modules, 204.5 x 43.63 x 110 mm	metal / white	1 pc.
27	309238	Adapter plate for DIN rail mounting (delivery without M4 screws)	silver	1 pc.
28	309233	Mini adapter plate for DIN rail mounting (with M4 screw)	silver	1 pc.

COPPER TRUNKS

Length determination & design
of pre-assembled copper trunks

Divider

Label for single cable

Connector (module)

Type of assembly (example): legs graded in length
(as required / depending on application)

Dimensions

Flexible cable 12-fold
CU 7702 12x4P flex

22.2 mm

Single cable
CU 7702 4P flex

PP foil

5.8
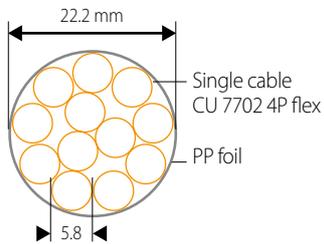
Solid cable 6-fold
CU 7002 6x4P

21.2 mm

Single cable
CU 7002 4P

PP foil
PP yarn

7.4
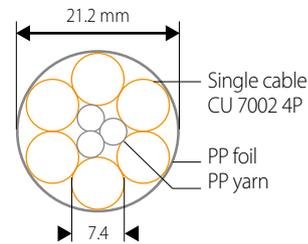
Flexible cable 6-fold
CU 7702 6x4P flex

17.6 mm

Single cable
CU 7702 4P flex

PP foil
PP yarn

5.8

Rack A

Rack B

fixing point

L
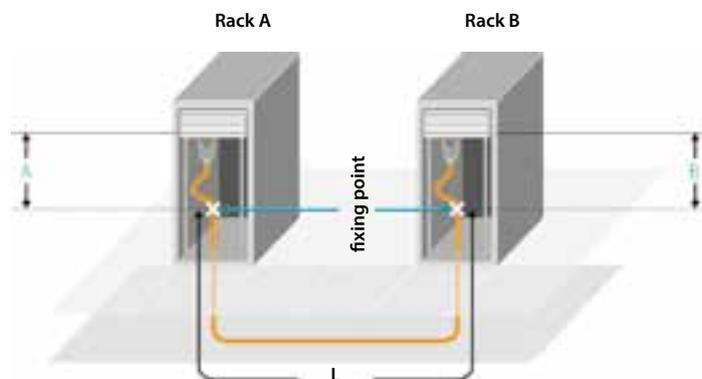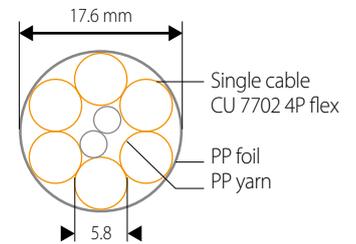
Length definition

The following criteria are decisive for all
pre-assembled Datwyler copper trunks:

L = Length between dividers / fixing points
(= purchase order length)
A = Type of assembly side A:
as required / depending on application,
legs graded in length or of equal length
B = Type of assembly side B:
as required / depending on application,
legs graded in length or of equal length

Connectors & cable types

Pre-assembled trunk cables are fabricated using high-performance cable products which are supplied in combination with different performance levels of modules and connectors.

The products are delivered in the lengths requested by the customer and have already been tested and certified in accordance with the latest standards.

This provides installers and operators, particularly in data centers, with products which make it possible to install even extensive copper-based systems to the highest quality in a very short time.

Tailor-made pre-terminated copper trunk assemblies, in the requested lengths, with customized imprints on the single cables, with the requested modules or plugs, 100% pre-tested, with measurement reports!

Modules and plugs for trunks

type	application	construction	compatible with cable
Category 6_A modules / Class E_A			
RJ45 module KS-TC Plus 1/8 Cat. 6_A (IEC)	up to 10GBase-T	shielded	flex / solid
RJ45 module KS-T Plus 1/8 Cat. 6_A (IEC)	up to 10GBase-T	shielded	flex / solid
Category $6/6_A$ plugs / Class E_A			
RJ45 plug 4P Cat. 6_A	up to 10GBase-T	shielded	flex
RJ45 plug 4P Cat. 6	up to 10GBase-T	shielded	flex / solid

Cable types for trunks

	type	max. Class	application	Ø [mm]	max. length [m]
Flexible tube/braid cables					
3-fold	CU 7702 3x4P flex	F	min. 10GBase-T	12	60
6-fold	CU 7702 6x4P flex	F	min. 10GBase-T	20	60
8-fold	CU 7702 8x4P flex	F	min. 10GBase-T	22	60
12-fold	CU 7702 12x4P flex	F	min. 10GBase-T	27	60
16-fold	CU 7702 16x4P flex	F	min. 10GBase-T	32	60

CONSOLIDATION POINT BOXES

CP box for one 24-port front plate
W x H x D: 480 x 55 x 190 mm (with lock: H = 57 mm)

CP box for one 12-port front plate
W x H x D: 260 x 55 x 190 mm (with lock: H = 57 mm)

CP box for one 6-port front plate
W x H x D: 156 x 55 x 190 mm (with lock: H = 57 mm)

Application
For the termination of data cables in a Consolidation Point (CP), typically installed in raised floors.

Suitable for the following Datwyler Keystone modules:
- PS-GG45 7_A 4P shielded
- RJ45 module KS-T Plus 1/8 Cat. 6_A shielded
- RJ45 module KS-TC Plus 1/8 Cat. 6_A shielded
- RJ45 module MS-K Plus 1/8 Cat. 6_A shielded
- RJ45 module MS-C6_A 1/8 Cat. 6_A 180°-K shielded
- RJ45 module KS-T 1/8 Cat. 6/E_A shielded
- RJ45 module KS-TS 1/8 Cat. 6/E_A shielded
- RJ45 module KU-T 1/8 Cat. 6 / Cat. 5e unshielded
- RJ45 module KU-TC 1/8 Cat. 6 / Cat. 5e unshielded

Article No.	Description	Material	PU
417489	Consolidation Point box, 24 ports (delivery without front plate)	steel sheet, galvanized	1 pc.
417490	Front plate FP 24x MGK for 24-port CP box	steel sheet, galvanized	1 pc
417483	Consolidation Point box, 12-port (delivery without front plate)	steel sheet, galvanized	1 pc.
417484	Front plate FP 12x MGK for CP box 12-port	steel sheet, galvanized	1 pc.
417487	Consolidation Point box 6-port (delivery without front plate)	steel sheet, galvanized	1 pc.
417488	Front plate FP 6x MGK for CP box 6-port	steel sheet, galvanized	1 pc.
417485	Lock for Consolidation Point box, keyed alike	steel sheet, galvanized	1 pc.

FLOOR BOX INSERTS

Floor box inserts Economy

for Keystone modules MS-K, GG45, KS-T, KU-T

Description
Floor box inserts Economy for Keystone modules.
Modules can be clipped into the cut-outs directly (without additional adapter plates).
Cut-out (port) dimensions: 14.8 x 19.3 mm.

Suitable for the following Datwyler Keystone modules:
- PS-GG45 7_A 4P shielded
- RJ45 module KS-T Plus 1/8 Cat. 6_A shielded
- RJ45 module KS-TC Plus 1/8 Cat. 6_A shielded
- RJ45 module MS-K Plus 1/8 Cat. 6_A shielded
- RJ45 module MS-C6_A 1/8 Cat. 6_A 180°-K shielded
- RJ45 module KS-T 1/8 Cat. 6/E_A shielded
- RJ45 module KS-TS 1/8 Cat. 6/E_A shielded
- RJ45 module KU-T 1/8 Cat. 6 / Cat. 5e unshielded
- RJ45 module KU-TC 1/8 Cat. 6 / Cat. 5e unshielded

Article No.	Description	PU
418400	Floor box insert Economy for OBO-Ackermann GES6, for 2x 3 Keystone modules	1 pc.
418401	Floor box insert Economy for OBO-Ackermann GES9, for 3x 3 Keystone modules	1 pc.
418402	Floor box insert Economy for Electraplan, for 2x 3 Keystone modules	1 pc.
418403	Floor box insert Economy for Electraplan, for 3x 3 Keystone modules	1 pc.
418404	Floor box insert Economy for PUK, for 3x 3 Keystone modules	1 pc.
1409559	Blank plate for unused Keystone cut-out (port)	1 pc.

ACCESSORIES

AP Surface Mount Box

for modules with Keystone fitting

Fig. 3

Fig. 8

Fig. 5

Fig. 2   Fig. 1

Fig. 4   Fig. 7

Fig. 6

Article No.	Fig.	Description	Colour/material	PU
309234	1	AP Surface Mount Box for 4x KS-T Plus, KS-TC Plus or MS-C6$_A$ 1/8 Keystone Cat 6$_A$, without modules	metal / white	1 pc.
309235	2	AP Surface Mount Box for 6x KS-T Plus, KS-TC Plus or MS-C6$_A$ 1/8 Keystone Cat 6$_A$, without modules	metal / white	1 pc.
309237	3	AP Surface Mount Box for 12x KS-T Plus, KS-TC Plus or MS-C6$_A$ 1/8 Keystone Cat 6$_A$, without modules	metal / white	1 pc.
418035	4	AP Surface Mount Box for 2x KS-T Plus, KS-TC Plus 1/8 Keystone Cat 6$_A$, without modules	white	1 pc.
418036	5	AP Surface Mount Box for 4x KS-T Plus, KS-TC Plus 1/8 Keystone Cat 6$_A$, without modules	white	1 pc.
418037	6	AP Surface Mount Box or 2x KS-T Plus, KS-TC Plus 1/8 Keystone Cat 6$_A$, without modules, with dust shutters	white	1 pc.
418038	7	AP Surface Mount Box or 4x KS-T Plus, KS-TC Plus 1/8 Keystone Cat 6$_A$, without modules, with dust shutters	white	1 pc.
418039	8	AP Surface Mount Box or 6x KS-T Plus, KS-TC Plus 1/8 Keystone Cat 6$_A$, without modules, with dust shutters	white	1 pc.

RJ45 Feed-through coupler

Application
Suitable for setting up
Consolidation Points
and Cross-Connect wirings.
For the transmission of all digital
and analogue applications
up to Cat.6$_A$/Class E$_A$.
Angled or straight.

MS-KS, 90° angled:
MS port (left side),
Keystone port (right side)

MS-KS, 180° straight:
MS port (left side),
Keystone port (right side)

Keystone, 180° straight:
Keystone ports on both sides

Field assembly plugs

IP20, Cat.6$_A$, angled or straight,
for tool-less field assembly

RJ45 plug IP20, Cat.6$_A$,
shielded

RJ45 plug IP20, Cat.6$_A$,
shielded, 90°, angled

RJ45 plug IP20, Cat.6$_A$,
shielded, 180°, straight

Blank covers

Anti-dust cover
for RJ45 plug

Anti-dust plug
for RJ45 modules

Blank cover
for Keystone cut outs

Article No.	Description	Colour/material	PU
417445	RJ45 coupler, MS-KS, Class E$_A$, shielded, 90° angled	metal	1 pc.
417446	RJ45 coupler, MS-KS, Class E$_A$, shielded, 180° straight	metal	1 pc.
418056	RJ45 coupler, Keystone, Class E$_A$, shielded, 180° straight	metal	1 pc.
418077	RJ45 plug, IP20, Cat.6$_A$, shielded, for field assembly	metal	1 pc.
418078	RJ45 plug, IP20, Cat.6$_A$, shielded, 90° angled, for field assembly	metal	1 pc.
417523	RJ45 plug, IP20, Cat.6$_A$, shielded, 180° straight, for field assembly	metal	1 pc.
400305	Anti-dust cover for RJ45 plug	black	1 pc.
1401628	Anti-dust plug for RJ45 modules	black	100 pcs.
418010	Blank cover for Keystone openings	black	10 pcs.
418011	Blank cover for Keystone openings	white	10 pcs.

ACCESSORIES

Defined Disconnect CP-Link
Adapter cable, IP20

Application
Releases the connection of patch cable and socket above a certain tensile
force and thus protects circuit boards and sockets from damage.
Particularly compact adapter cable.
Meets the Channel performance requirements of ISO 11801
and EN 50173 Class E_A despite its extremely small dimensions.
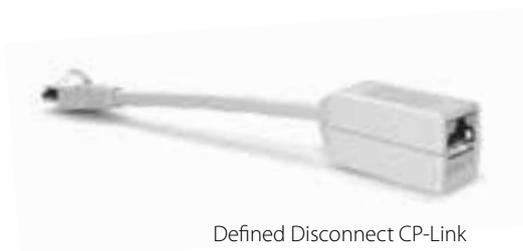
Defined Disconnect CP-Link

In medical technology, sound studio technology and measuring technology as well as in the connection of computer systems.
Reliably separates any connection above a defined tensile force to protect the equipment.
The restraining force is set in such a way that unintentional triggering is prevented.
Pull out force 20 N +15/-10 N.

Article No.	Description	Colour
418089	Defined Disconnect CP-Link	grey

Cable connectors

Class F_A IP67

Application
Connection of copper data cables 4 x 2 x AWG26/1 to AWG 22/1 (solid wire)
and AWG26/7 to AWG22/7 (flexible wire)
IDC insulation displacement terminals, without special tools.

Cable connector Class F_A IP67

Article No.	Description	Colour/material	PU
309153	Cable connector Class F_A IP67	metal	1 pc.

Tool-less Compact IP20

Application
Connection of copper data cables 4 x 2 x AWG24/1 to AWG 22/1 (solid wire)
and AWG26/7 (flexible wire).
IDC insulation displacement terminals, without special tools.
Housing: metal, zinc die-cast, shielded
Protection class: IP20
360° shield connection
Cable feed from two sides

Cable connector Class E_A IP20

Article No.	Description	Colour/material	PU
41548600ZY	Cable connector Class E_A toolless, IP20	metal	1 pc..

Phone panels, Cat.3

Phone panel CU 25/4   Phone panel CU 50/4

Article No.	Description	Colour	PU
418000	Phone panel CU 25/4 with 25x RJ45 jacks, Cat.3	light grey	1 pc.
418001	Phone panel CU 50/4 with 50x RJ45 jacks, Cat.3	light grey	1 pc.
418002	Phone panel CU 25/4 with 25x RJ45 jacks, Cat.3	black	1 pc.
418003	Phone panel CU 50/4 with 50x RJ45 jacks, Cat.3	black	1 pc.
1401624	Patch panel termination aid (1 set = 2 angular sheets)	grey	1 set
1401609	LSA Plus termination tool for LSA punch down contacts	grey	1 pc.
185731	Fastening kit (8 of each: screws, washers and captive nuts)		1 set
401231	Mounting kit, 50 Philipps screws, nuts and washers		1 set
401261	Mounting kit, 50 Torx M6 screws, nuts and washers		1 set

CABLE MANAGEMENT

Management panel

Management panel 1U

Management panel 2U

Blank plate

Management panel 1U,
for 5 Cable brackets

Article No.	Description	Colour/material	PU
185735	Management panel 1U (bracket 65 mm)	light grey, RAL 7035	1 pc.
185741	Management panel 1U (bracket 80 mm)	light grey, RAL 7035	1 pc.
185736	Management panel 2U	light grey, RAL 7035	1 pc.
185731	Fastening kit (8 of each: screws, washers and captive nuts)		1 set
401231	Mounting kit, 50 Philipps screws, nuts and washers		1 set
401261	Mounting kit, 50 Torx M6 screws , nuts and washers		1 set
195184	19" blank plate, tool-less, 1U	black, RAL 9005	5 pc.
195185	19" blank plate, tool-less, 2U	black, RAL 9005	5 pc.
195186	19" blank plate, tool-less, 3U	black, RAL 9005	5 pc.
195187	19" blank plate, tool-less, 1U	light grey, RAL 7035	5 pc.
195188	19" blank plate, tool-less, 2U	light grey, RAL 7035	5 pc.
195189	19" blank plate, tool-less, 3U	light grey, RAL 7035	5 pc.
1411604	Management panel 19"/1U for 5 support brackets (delivery without brackets)	light grey, RAL 7035	1 pc.
1407689	Management panel 19"/1U for 5 support brackets (delivery without brackets)	black, RAL 9005	1 pc.
418200	Management panel 19"/1U for 5 support brackets (delivery without brackets)	stainless steel	1 pc.
1411480	Support bracket, depth: 60 mm	black, RAL 9005	1 pc.
1411481	Support bracket, depth: 75 mm	metal	1 pc.
1411482	Support bracket, depth: 110 mm	metal	1 pc.
401241	19" blank plate, 1U	black, RAL 9005	1 pc.
401244	19" blank plate, 2U	black, RAL 9005	1 pc.
401240	19" blank plate, 1U	light grey, RAL 7035	1 pc.
401243	19" blank plate, 2U	light grey, RAL 7035	1 pc.
401242	19" blank plate, 1U	stainless steel	1 pc.
401245	19" blank plate, 2U	stainless steel	1 pc.
185640	Cable stripping tool Abi 62		1 pc.
400321	Cable stripping tool Abi Cat.x		1 pc.
1412330	Parallel pliers for termination of modules	blue	1 pc.

Rail adapters

Rail adapter for 1x MS-C6$_A$

Rail adapter Keystone IP20

Rail adapter Keystone

Article No.	Description	Colour/material	PU
309178	Rail adapter for 1x MS-C6A 1/8 -K (Keystone), rail mounted	light grey, RAL 7035	1 pc.
418026	Rail adapter Keystone IP20 for 1 module with Keystone fitting (delivery without module)	light grey, RAL 7035	1 pc.
418025	Rail adapter Keystone for 1x KS-T/KU-T/KS-TC (delivery without module)	metal	1 pc.

COPPER SOLUTIONS
Systems with IP protection class

AP Outlet IP44/IP67
surface mounted
for 1 or 2 modules

IP44 outlet for 2 Keystone modules, lockable

IP44 outlet for 2 Keystone modules

IP67 outlet for 1 RJ45 module

IP67 outlet for 2 RJ45 modules

Article No.	Description	Colour/material	PU
417503	AP outlet, IP44, surface/duct mounted, for 2 Keystone modules, lockable (delivery without modules)	light grey/polymer	1 pc.
417510	AP outlet, IP44, surface/duct mounted, for 2 Keystone modules (delivery without modules)	light grey/polymer	1 pc.
417530	AP outlet, IP67, for 2 modules (delivery without modules)	silver grey/aluminium	1 pc.
417533	AP outlet, IP67, for 1 module (delivery without modules)	silver grey/aluminium	1 pc.

Cable gland with pressure compensation
via built-in diaphragm

Description
For the operation of enclosures (IP66/IP67) in environments
with changing temperature conditions (e.g. outdoors).
Avoids condensation inside the enclosure (e. g. housing 417530, 417533)

Article No.	Description	PU
417534	Cable gland M16, IP68	1 pc.

IP67 Outlets
surface mounted & in-device installation
with 1 RJ45 module MS-C6$_A$

IP67 data outlet

IP67 coupling socket

IP767 mounting flange

RJ45 IP67 plug body to assemble patch cables

Article No.	Description	Colour	PU
309155	Data outlet, IP67, with 1 RJ45 module MS-C6$_A$	light grey, RAL 7035	1 pc.
309156	Coupling socket, IP67, with 1 RJ45 module MS-C6$_A$	light grey, RAL 7035	1 pc.
309157	Mounting flange, IP67, with 1 RJ45 module MS-C6$_A$	light grey, RAL 7035	1 pc.
417520	RJ45 plug, IP67, Cat.5/5e shielded, for field assembly	light grey, RAL 7035	1 pc.

RJ45 patch cords IP67, Cat. 6$_A$, 500 MHz
shielded , wiring 1:1

Length	Article No.	PU	Article No.	PU
	CU 7702 4P flex Industrial PUR[1] Connector type side B: grey anti-snag boot		**CU 7702 4P flex Industrial FRNC/LS0H[2]** Connector type side B: grey anti-snag boot	
1.0 m	664508	1 pc.	664008	1 pc.
2.0 m	664510	1 pc.	664010	1 pc.
3.0 m	664512	1 pc.	664012	1 pc.
5.0 m	664516	1 pc.	664016	1 pc.
7.0 m	664520	1 pc.	664020	1 pc.
10.0 m	664526	1 pc.	664026	1 pc.

[1] PUR = Polyurethan   [2] FRNC/LS0H = Flame Retardant Non Corrosive / Low Smoke Zero Halogen

FIBRE OPTIC SOLUTIONS

Conclusive fibre optic systems

Datwyler IT Infra, as an experienced and innovative cable manufacturer, supplies complete fibre optic cabling solutions - including services and support in the areas of consultation, planning, engineering, design, development, training, installation and documentation, if requested.

Datwyler has a comprehensive offering of fibre optic cables and components for high-density, high-speed data network solutions.

Our solutions are designed, overall and in detail, to fully meet the demands of the future. They are adapted to meet customer's needs and ensure a network infrastructure that will support future applications for a long time to come.

PREMISES NETWORKS

Application spaces
From a communications pathway perspective, premises networks consist of four primary sections:

Backbone (Campus)   OS2
Data centre   OS2, OM4, OM5
Riser   OS2, OM3, OM4
Horizontal (Desk)   OM3, OM4

The premises network outlined on the right side, or portions thereof, may also be called a local area network (LAN) or enterprise network.

Top 5 design considerations
- Link length
- Application
- Future performance
- Power budget
- Environmental requirements

Two major fibre classifications
The two major classifications of optical fibre are single-mode and multimode.

Horizontal (Desk)	Riser	Data Centre	Backbone (Campus)
The horizontal serves the desk or application workspace	The riser joins together equipment in a floor-level tele-communications closet and upper floor closets or zones.	The data centre is a facility dedicated to data-intensive applications, where racks of interconnected equipment manage large amounts of information.	The backbone is typically the longest run in a premises network, often interbuilding.

SINGLE-MODE FIBRE

Single-mode fibres are best suited for longer distance applications (>1 km). Single-mode fibre is designed to carry only one mode of light, and thus does not experience modal dispersion like multimode fibre.

Coating   Cladding   Core

Single-mode E9/125

Optical single-mode fibre cable transmission performance parameters

Classification	Optical fibre type and cable type	Wavelenght [nm]	Mode field (beam) diameter [nm]	Cladding diameter [nm]	Coating diameter [nm]	Typical attenuation wired [db/km]	Maximum attenuation wired [db/km]
ITU-T G.652.D BLO	Single-mode E9/125 OS2	1310 1550 1625	9.2 +/- 0.4 10.4 +/- 0.5	125 +/- 0.7	242 +/- 5	0.34 0.21 0.23	0.4 0.3 0.3
ITU-T G.652.D / ITU-T G.657.A1	Single-mode E9/125 OS2	1310 1550 1625	9.2 +/- 0.4 10.4 +/- 0.5	125 +/- 0.7	242 +/- 5	0.34 0.21 0.23	0.4 0.3 0.3
ITU-T G.657.A2	Single-mode E9/125 OS2	1310 1550 1625	8.6 +/- 0.4 9.6 +/-0.5	125 +/- 0.7	242 +/- 5	0.36 0.22 0.25	0.4 0.3 0.32

The fibre designation (OS2) corresponds to the designation of ISO/IEC 11801 or EN 50173. OS2 is commonly referred to as "low water peak" single-mode fibre and is characterised by having a low attenuation coefficient in the vicinity of 1383 nm.

MULTIMODE FIBRE

Multimode fibres are suitable for premises applications where the links are a few hundred meters long and there are many connectors. The larger core diameter of multimode fibre allows the use of affordable 850 nm transmittor diodes as well as low-cost connectors. Multimode fibre uses a graded index profile to minimize modal dispersion. This design maximizes bandwidth while maintaining large cores for simplified system assembly and lower network costs. For multimode fibres, bandwidth is the major limiting factor in network design.

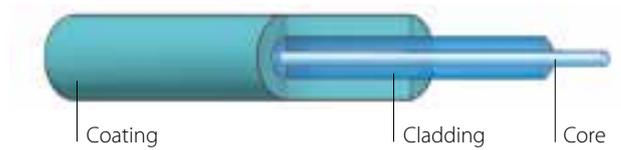Coating — Cladding — Core

Multimode G50/125

Optical multimode fibre cable transmission performance parameters

Classification	Optical fibre type and cable type	Speed	Wavelenght [nm]	Attenuation typical (cabled) [db/km]	Attenuation maximum (cabled) [db/km]	OFL bandwidth as per TIA/EIA 455-204 and IEC 60793-1-41 [MHz x km]	High-performance EMB bandwidth as per TIA/EIA 455-220A and IEC 60793-1-49 [MHz x km]
ISO/IEC 11801/EN 50173 TIA 492AAAC OM3 bend optimized 850 nm laser-optimised	Multimode 50/125 µm	≥ 10 Gb/s	850 1300	2.5 0.5	2.7 0.7	1500 500	≥ 2000 n/a
ISO/IEC 11801/EN 50173 TIA 492AAAD OM4 bend optimized 850 nm laser-optimised	Multimode 50/125 µm	≥ 10 Gb/s	850 1300	2.5 0.5	2.7 0.7	3500 500	≥ 4700 n/a
ISO/IEC 11801/EN 50173 TIA 492AAAE OM5 bend optimized 850 nm laser-optimised	Multimode 50/125 µm	≥ 10 Gb/s	850 953 1300	2.5 1.8 0.6	2.7 1.8 1.0	3500 1850 500	≥ 4700 ≥ 2470 n/a

The fibre designation (OM3 up to OM5) corresponds to the designation of ISO/IEC 11801 or EN 50173.
Laser-optimised fibres are defined by their Effective Modal Bandwidth (minEMB, 850 nm VCSEL laser).

Multimode fibre link lenghts and data rates
Although fibre bandwidth is a critical factor in determining link length and data rate, it is not the only one. Transmitter and receiver characteristics are as important as fibre bandwidth in determining supportable link lengths at specified data rates.
At high data rates (40/100 Gbit/s) also the attenuation of the connectors limit the link length.

Bend optimised multimode fibres (G50/125)
With higher bit-rate transmissions (≥ 10 Gbit/s) the attenuation budgets are constantly decreasing.
Thus, one has to focus on high-grade products when selecting the fibre optic components.
The optical fibres should provide an enhanced transmission reliability and reduce the risks of additional losses
that may arise as a result of typical faulty use and of mechanical stress.
This is the reason why Datwyler use the bend optimized G50/125 fibre for OM3 up to OM5 fibre categories:
In case that the minimum bending radius is undercut, this leads not necessarily to failure of a connection.
However, too small bending radii should be avoided to extend the lifetime of fibre optic cables (and optical fibres).
The bend optimized G50/125 fibres are fully compatible with "traditional" G50/125 fibres as described in the standard.

FIBRE OPTIC SOLUTIONS
Cables

With selected items from our wide range of fibre optic products.
For more information and products please visit datwyler-itinfra.com

FIBRE OPTIC CABLES

FO Indoor J-B(ZN)BH
for indoor use

metal-free, dry interstices,
gel-free loose tube, rodent protection,
flame retardant
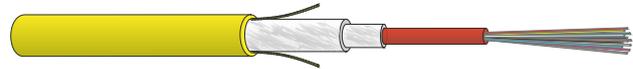
FO Indoor ZGGFR / J-B(ZN)BH
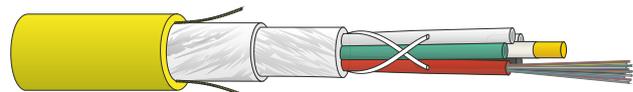
FO Indoor szGGFR / J-B(ZN)BH

FO Indoor ZGGFR, up to 12 fibres

J-B(ZN)BH Description	n x m	Fibres number	Article No. E9/125 G.652.D BLO sheath colour: yellow	Article No. G50/125 OM3 sheath colour: turquoise	Article No. G50/125 OM4 sheath colour: heather violet
FO Indoor ZGGFR	1 x 4	4	19603100DZ	19603300DZ	19603600DZ
FO Indoor ZGGFR	1 x 6	6	19605700DZ	19605800DZ	19605900DZ
FO Indoor ZGGFR	1 x 8	8	19603200DZ	19603400DZ	19603700DZ
FO Indoor ZGGFR	1 x 12	12	19456300DZ	19603500DZ	19597400DZ

The "D" in these article numbers stands for Euroclass D_{ca}. For higher fire performance requirements, Datwyler offers these cables also with Class C_{ca} or even $B2_{ca}$ performance.
For the available Euroclasses please refer to the online data sheets on datwyler-itinfra.com.

FO Indoor szGGFR, 24-144 fibres

FO Indoor szGGFR	2 x 12	24	19456400DZ	19605300DZ	19602500DZ
FO Indoor szGGFR	4 x 12	48	19456600DZ	19605400DZ	19602600DZ
FO Indoor szGGFR	8 x 12	96	19602900DZ	19605500DZ	19602700DZ
FO Indoor szGGFR	12 x 12	144	19596800DZ	19605600DZ	19602800DZ

The "D" in these article numbers stands for Euroclass D_{ca}. For higher fire performance requirements, Datwyler offers these cables also with Class C_{ca} or even $B2_{ca}$ performance.

FO Indoor FTTH
2.2 mm, 2.8 mm, LS0H, for indoor use

flame retardant
in accordance with IEC 60794-2-20

FO Indoor FTTH / I-M(ZN)H, 2.2 mm, LS0H

FO Indoor FTTH STB / I-V(ZN)H, 2.8 mm, LS0H

FO Indoor FTTH / I-M(ZN)H, up to 4 fibres, coating buffer, 2.2 mm

I-M(ZN)H Description	Fibres number	Article No. E9/125 G.652.D BLO sheath colour: yellow
FO Indoor FTTH	4	19727700CZ

FO Indoor FTTH STB / I-V(ZN)H, up to 4 fibres, semi tight buffer, 2.8 mm

FO Indoor FTTH 2.8, 4x1	4	19341000DZ

The "D" in these article numbers stands for Euroclass D_{ca}. For higher fire performance requirements, Datwyler offers these cables also with Class C_{ca} or even $B2_{ca}$ performance.
For the available Euroclasses please refer to the online data sheets on datwyler-itinfra.com.

FO Universal U-DQ(ZN)BH
For indoor and outdoor use

metal-free, dry interstices,
rodent protection, flame retardant, longitudinally watertight,
in accordance with IEC 60332.1and IEC 60332.3 C
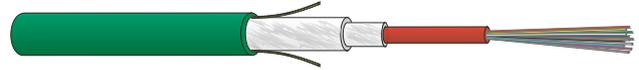
FO Universal U-DQ(ZN)BH 1 x m, ≤ 24 fibres

FO Universal U-DQ(ZN)BH 2 x 12, 24 fibres
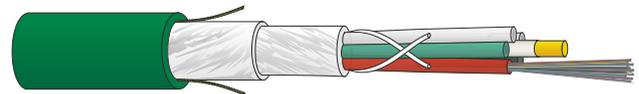
FO Universal U-DQ(ZN)BH n x m, 36-144 fibres

FO Universal ZGGFR, ≤ 24 fibres

U-DQ(ZN)BH Description	n x m	Fibres Anzahl	Article No. E9/125 G.652.D green	Article No. yellow	Article No. G50/125 OM3 green	Article No. turquoise	Article No. G50/125 OM4 green	Article No. heather violet
FO Universal ZGGFR	1 x 4	4	19020300DZ		18598900DZ		19271200DZ	
FO Universal ZGGFR	1 x 6	6	19020400DZ	19342100DZ	19011200DZ	19342500DZ	19336000DZ	19342900DZ
FO Universal ZGGFR	1 x 8	8	19020500DZ		18595900DZ		18736300DZ	19442200DZ
FO Universal ZGGFR	1 x 12	12	19007700DZ	19342200DZ	18635000DZ	19342600DZ	19125100DZ	19343000DZ
FO Universal ZGGFR	2 x 12	24	19007100DZ	19342300DZ	18643200DZ	19342700DZ	19125200DZ	19343100DZ
FO Universal ZGGFR	1 x 24	24	18735400DZ		19175500DZ		19271300DZ	
FO Universal-Hybrid ZGGFR	1x 12 E9 + 1x 12 G50*	24			19013700DZ		19012400DZ	

* 12 fibres E9 in the red tube, 12 fibres G50 in the green tube

The "D" in these article numbers stands for Euroclass D_{ca}.

FO Universal wbGGFR, 24-144 fibres

U-DQ(ZN)BH Description	n x m	Fibres Anzahl	Article No. E9/125 G.652.D green	Article No. yellow	Article No. G50/125 OM3 green	Article No. turquoise	Article No. G50/125 OM4 green	Article No. heather violet
FO Universal wbGGFR	2x12	24	19261300EZ		on request		on request	
FO Universal wbGGFR	3x12	36	19020700EZ		on request		19267800EZ	
FO Universal wbGGFR	4x12	48	19020800EZ	19342400EZ	18648600EZ	19342800EZ	19127800EZ	19343200EZ
FO Universal wbGGFR	5x12	60	19020900EZ		18664200EZ		on request	
FO Universal wbGGFR	6x12	72	19021000EZ		18653900EZ		on request	
FO Universal wbGGFR	8x12	96	18674700EZ		18654000EZ		19271400EZ	19449900EZ
FO Universal wbGGFR	10x12	120	19021100EZ		18653600EZ		auf Anfrage	
FO Universal wbGGFR	12x12	144	19021200EZ		19171000EZ		19271500EZ	

The "E" in these article numbers stands for Euroclass E_{ca}.

Also available with **sheath colour according to fibre type** (OS2 = yellow, OM3 = turquoise, OM4 = violet, OM5 = lime) on request.

FO Universal DLTS U-BQ(ZN)BH
for indoor and outdoor use

metal-free, dry interstices, gel-free loose tube,
rodent protection, flame redardant,
longitudinally watertight

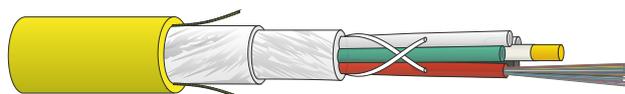FO Universal DLTS U-BQ(ZN)BH, 1 x m, ≤ 24 fibres

FO Universal DLTS U-BQ(ZN)BH, n x m, 12-144 fibres

FO Universal DLTS ZGGFR, ≤ 24 fibres

U-BQ(ZN)BH 1 x m Description	Fibres number	Article No. E9/125 G.652.D OS2 BLO (sheath colour: yellow)	Article No.	Article No.	Article No. G50/125 OM3 (sheath colour: turquoise)	Article No.	Article No.
Euroclasses		D_{ca}	C_{ca}	$B2_{ca}$	D_{ca}	C_{ca}	$B2_{ca}$
FO Universal DLTS 1 x 4	4	19706600DZ	19706600CZ	19706600BZ	19708000DZ	19708000CZ	19708000BZ
FO Universal DLTS 1 x 6	6	19706700DZ	19706700BZ	19706700BZ	19708100DZ	19708100CZ	19708100BZ
FO Universal DLTS 1 x 8	8	19706800DZ	19706800CZ	19706800BZ	19708200DZ	19708200CZ	19708200BZ
FO Universal DLTS 1 x 12	12	19618100DZ	19618100CZ	19618100BZ	19708300DZ	19708300CZ	19708300BZ
FO Universal DLTS 1 x 24	24	19618200DZ	19618200CZ	19618200BZ	19708400DZ	19708400CZ	19708400BZ

Description	number	G50/125 OM4 (sheath colour: heather violet)			G50/125 OM5 (sheath colour: lime)		
Euroclasses		D_{ca}	C_{ca}	$B2_{ca}$	D_{ca}	C_{ca}	$B2_{ca}$
FO Universal DLTS 1 x 4	4	19708500DZ	19708500CZ	19708500BZ	on request	on request	on request
FO Universal DLTS 1 x 6	6	19708600DZ	19708600CZ	19708600BZ	on request	on request	on request
FO Universal DLTS 1 x 8	8	19708700DZ	19708700CZ	19708700BZ	on request	on request	on request
FO Universal DLTS 1 x 12	12	19618500DZ	19618500CZ	19618500BZ	19706400DZ	19706400CZ	19706400BZ
FO Universal DLTS 1 x 24	24	19618600DZ	19618600CZ	19618600BZ	19706500DZ	19706500CZ	19706500BZ

FO Universal DLTS wbGGFR, 12-144 fibres

U-BQ(ZN)BH n x m Description	Fibres number	Article No. E9/125 G.652.D OS2 BLO (sheath colour: yellow)	Article No.	Article No.	Article No. G50/125 OM3 (sheath colour: turquoise)	Article No.	Article No.
Euroclasses		D_{ca}	C_{ca}	$B2_{ca}$	D_{ca}	C_{ca}	$B2_{ca}$
FO Universal DLTS 1 x 12	12	19710100DZ	19710100CZ	19710100BZ	19603500DZ	19603500CZ	19603500BZ
FO Universal DLTS 2 x 12	24	19618300DZ	19618300CZ	19618300BZ	19710600DZ	19710600CZ	19710600BZ
FO Universal DLTS 4 x 12	48	19618400DZ	19618400CZ	19618400BZ	19710700DZ	19710700CZ	19710700BZ
FO Universal DLTS 6 x 12	72	19710200DZ	19710200CZ	19710200BZ	19733500DZ	19733500CZ	19733500BZ
FO Universal DLTS 8 x 12	96	19710300DZ	19710300CZ	19710300BZ	19710800DZ	19710800CZ	19710800BZ
FO Universal DLTS10 x 12	120	19710400DZ	19710400CZ	19710400BZ	on request	on request	on request
FO Universal DLTS12 x 12	144	19710500DZ	19710500CZ	19710500BZ	19710900DZ	19710900CZ	19710900BZ

Description	number	G50/125 OM4 (sheath colour: heather violet)			G50/125 OM5 (sheath colour: lime)		
Euroclasses		D_{ca}	C_{ca}	$B2_{ca}$	D_{ca}	C_{ca}	$B2_{ca}$
FO Universal DLTS 1 x 12	12	19597400DZ	19597400CZ	19597400BZ	on request	on request	on request
FO Universal DLTS 2 x 12	24	19618700DZ	19618700CZ	19618700BZ	19706900DZ	19706900CZ	19706900BZ
FO Universal DLTS 4 x 12	48	19618800DZ	19618800CZ	19618800BZ	19707000DZ	19707000CZ	19707000BZ
FO Universal DLTS 6 x 12	72	19733600DZ	19733600CZ	19733600BZ	on request	on request	on request
FO Universal DLTS 8 x 12	96	19708800DZ	19708800CZ	19708800BZ	on request	on request	on request
FO Cabivsal DLTS10 x 12	120	on request	on request	on request	on request	on request	on request
FO Universal DLTS12 x 12	144	19708900DZ	19708900CZ	19708900BZ	on request	on request	on request

FO Universal ... Safety / U-DQ(ZN)BH
Safety cables E30 for indoor and outdoor use

metal-free, water resistant, rodent protection,
in accordance with IEC 60332-1-2 and IEC 60332-3-24

30 minutes System Circuit Integrity
according to DIN 4102-12*

FO Universal ZGGFR Safety / U-DQ(ZN)BH
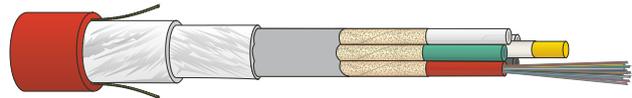
FO Universal wbGGFR Safety / U-DQ(ZN)BH

FO Universal ZGGFR Safety

U-DQ(ZN)BH Description	1 x m	Fibres number	Article No. E9/125 G.652.D	Article No. G50/125 OM3	Article No. G50/125 OM4
FO Universal ZGGFR Safety	1 x 4	4	187288	190604	193447
FO Universal ZGGFR Safety	1 x 6	6	191867	191851	193448
FO Universal ZGGFR Safety	1 x 8	8	196130	196120	193449
FO Universal ZGGFR Safety	1 x 12	12	190719	191796	193450

FO Universal wbGGFR Safety

U-DQ(ZN)BH Description	1 x m	Fibres number	Article No. E9/125 G.652.D	Article No. G50/125 OM3	Article No. G50/125 OM4
FO Universal wbGGFR Safety	2 x 12	24	190223	187360	193454
FO Universal wbGGFR Safety	3 x 12	36	190224	on request	193455
FO Universal wbGGFR Safety	4 x 12	48	190225	191191	193456
FO Universal wbGGFR Safety	5 x 12	60	190226	190605	193457

* Please find the necessary E30-tested and certified fire safety system components on our website.

FIBRE OPTIC SOLUTIONS
Cables

With selected items from our wide range of fibre optic products.
For more information and products please visit datwyler-itinfra.com

FO Outdoor ZGGT HP / A-DQ(ZN)B2Y
HighP

central tube design, non metallic,
water resistant, rodent protection

FO Outdoor ZGGT HP / A-DQ(ZN)B2Y, 1 x m, ≤ 24 fibres

FO Outdoor wbGGT HP / A-DQ(ZN)B2Y
HighP

non metallic, dry interstices,
water resistant, rodent protection
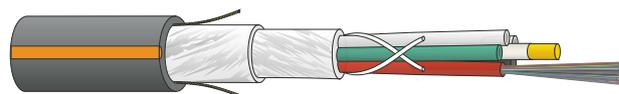
FO Outdoor wbGGT HP / A-DQ(ZN)B2Y, n x m, 12-288 fibres

FO Outdoor wbGGT HP CITY / A-DQ(ZN)B2Y
2-layer

non metallic, dry interstices,
water resistant, rodent protection
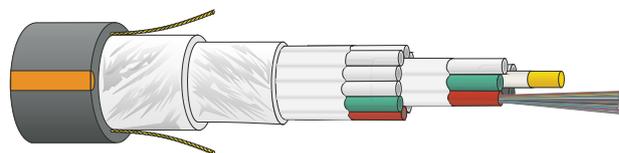
FO Outdoor wbGGT HP CITY / A-DQ(ZN)B2Y, n x m, 432-576 fibres

FO Outdoor ZGGT HP, ≤ 24 fibres

A-DQ(ZN)B2Y Description	1 x m	Fibres number	Article No. E9/125 G.652.D	Article No. G50/125 OM3	Article No. G50/125 OM4
FO Outdoor ZGGT HP	1 x 4	4	19016600FZ	19212100FZ	19608900FZ
FO Outdoor ZGGT HP	1 x 6	6	19016700FZ	19074700FZ	on request
FO Outdoor ZGGT HP	1 x 8	8	19016800FZ	on request	on request
FO Outdoor ZGGT HP	1 x 12	12	19016900FZ	18636100FZ	19261000FZ
FO Outdoor ZGGT HP	1 x 24	24	19014900FZ	19264500FZ	19216700FZ

FO Outdoor wbGGT HP , 12-576 fibres

A-DQ(ZN)B2Y Description	n x m	Fibres number	Article No. E9/125 G.652.D	Article No. G50/125 OM3	Article No. G50/125 OM4
FO Outdoor wbGGT HP	1 x 12	12	19005900FZ	19065100FZ	on request
FO Outdoor wbGGT HP	2 x 12	24	18674800FZ	19036800FZ	19444400FZ
FO Outdoor wbGGT HP	4 x 12	48	18738500FZ	19036900FZ	on request
FO Outdoor wbGGT HP	6 x 12	72	19017200FZ	on request	on request
FO Outdoor wbGGT HP	8 x 12	96	18676000FZ	on request	19617400FZ
FO Outdoor wbGGT HP	12 x 12	144	18739400FZ	19031100FZ	on request
FO Outdoor wbGGT HP	6 x 24	144	19076400FZ	on request	on request
FO Outdoor wbGGT HP	8 x 24	192	19127000FZ	on request	on request
FO Outdoor wbGGT HP	9 x 24	216	19069600FZ	on request	on request
FO Outdoor wbGGT HP	12 x 24	288	19032500FZ	on request	on request
FO Outdoor wbGGT HP CITY	18 x 24	432	19017800FZ	on request	on request
FO Outdoor wbGGT HP CITY	24 x 24	576	19720400FZ	on request	on request

FO Outdoor wbGGT SMALL, ≤ 432 fibres

A-DQ(ZN)B2Y Description	n x m	Fibres number	Article No. E9/125 G.652.D
FO Outdoor wbGGT SMALL	18 x 24	432	19261900FZ

Outdoor cable with steel armor (rodent protection) on request.

FO patch panel OV-E, 19"/1U, loaded
Splice box with shelf for excess tube lengths below the drawer

For the termination of fibre optic cables - maximum of 48 fibres.
Loaded with FO adapters, ready for splicing, with prepared pigtails (per 2 m, colour code: IEC 60304).
Telescopic, folding drawer with stop.
Shelf for excess tube lengths below the drawer.
Cable mounting plate at the rear.
Splice cassettes are hinged, can be easily folded up.

Splice box OV-E, 19"/1U, extractable
configuration example with 24 LC Duplex adapters APC and 48 pigtails

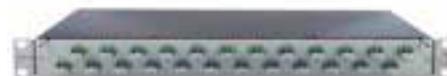| Article No.	Product	Colour front plate	Number of adapter	Adapter type	Colour adapter	Fibre type	Pigtail type, length
41516002ZY	Splice box OV-E, extractable, 1U	aluminium	6	LCD	blue	E9/125 G.652.D, OS2	12x LC, 2 m
41516402ZY	Splice box OV-E, extractable, 1U	aluminium	12	LCD	blue	E9/125 G.652.D, OS2	24x LC, 2 m
41516802ZY	Splice box OV-E, extractable, 1U	aluminium	24	LCD	blue	E9/125 G.652.D, OS2	48x LC, 2 m
41516102ZY	Splice box OV-E, extractable, 1U	aluminium	6	LCD/APC	green	E9/125 G.652.D, OS2	12x LC/APC, 2 m
41516502ZY	Splice box OV-E, extractable, 1U	aluminium	12	LCD/APC	green	E9/125 G.652.D, OS2	24x LC/APC, 2 m
41569902ZY	Splice box OV-E, extractable, 1U	aluminium	24	LCD/APC	green	E9/125 G.652.D, OS2	48x LC/APC, 2 m
41517202ZY	Splice box OV-E, extractable, 1U	aluminium	6	LSH/APC	green	E9/125 G.652.D, OS2	6x LSH/APC, 2 m
41517302ZY	Splice box OV-E, extractable, 1U	aluminium	12	LSH/APC	green	E9/125 G.652.D, OS2	12x LSH/APC, 2 m
41517402ZY	Splice box OV-E, extractable, 1U	aluminium	24	LSH/APC	green	E9/125 G.652.D, OS2	24x LSH/APC, 2 m
41517502ZY	Splice box OV-E, extractable, 1U	aluminium	24	LSH-C/APC	green	E9/125 G.652.D, OS2	48x LSH/APC, 2 m
41516202ZY	Splice box OV-E, extractable, 1U	aluminium	6	LCD	turquoise	G50/125, OM3	12x LC, 2 m
41516602ZY	Splice box OV-E, extractable, 1U	aluminium	12	LCD	turquoise	G50/125, OM3	24x LC, 2 m
41517002ZY	Splice box OV-E, extractable, 1U	aluminium	24	LCD	turquoise	G50/125, OM3	48x LC, 2 m
41516302ZY	Splice box OV-E, extractable, 1U	aluminium	6	LCD	violet	G50/125, OM4	12x LC, 2 m
41516702ZY	Splice box OV-E, extractable, 1U	aluminium	12	LCD	violet	G50/125, OM4	24x LC, 2 m
41517102ZY	Splice box OV-E, extractable, 1U	aluminium	24	LCD	violet	G50/125 OM4	48x LC, 2 m

Variants on request.

FIBRE OPTIC SOLUTIONS
Patch panels

FO patch panel OV-S, 19"/1U, loaded
Splice box with adapters and pigtails

For the termination of fibre optic cables - maximum of 96 fibres.
Drawer extractable.
Front panel numbered.
Loaded with FO adapters, ready for splicing, with prepared pigtails
(per 2 m, colour code: IEC 60304).

Splice box OV-S, 19"/1U, extractable,
configuration example with 24 LCD/APC adapters
and 48 pigtails

19"/1U splice box, E9/125 G.652.D, OS2

Article No.	Product	Colour front plate	Number of adapters	Adapter type	Colour adapter	Fibre type	Pigtail type
41521000ZY	Splice box OV-S	light grey	6	LCD	blue	E9/125 G.652.D, OS2	12x LC
41535700ZY	Splice box OV-S	black	6	LCD	blue	E9/125 G.652.D, OS2	12x LC
41521400ZY	Splice box OV-S	light grey	12	LCD	blue	E9/125 G.652.D, OS2	24x LC
41534100ZY	Splice box OV-S	black	12	LCD	blue	E9/125 G.652.D, OS2	24x LC
41521800ZY	Splice box OV-S	light grey	24	LCD	blue	E9/125 G.652.D, OS2	48x LC
41533700ZY	Splice box OV-S	black	24	LCD	blue	E9/125 G.652.D, OS2	48x LC
41522200ZY	Splice box OV-S	light grey	6	SCD	blue	E9/125 G.652.D, OS2	12x SC
41536400ZY	Splice box OV-S	black	6	SCD	blue	E9/125 G.652.D, OS2	12x SC
41522600ZY	Splice box OV-S	light grey	12	SCD	blue	E9/125 G.652.D, OS2	24x SC
41523000ZY	Splice box OV-S	light grey	24	SCD	blue	E9/125 G.652.D, OS2	48x SC
41538800ZY	Splice box OV-S	black	24	SCD	blue	E9/125 G.652.D, OS2	48x SC
41531300ZY	Splice box OV-S	light grey	6	LSH/APC	green	E9/125 G.652.D, OS2	6x LSH/APC
41531500ZY	Splice box OV-S	light grey	12	LSH/APC	green	E9/125 G.652.D, OS2	12x LSH/APC
41531700ZY	Splice box OV-S	light grey	24	LSH/APC	green	E9/125 G.652.D, OS2	24x LSH/APC
41544200ZY	Splice box OV-S	light grey	12	LCD/APC	green	E9/125 G.652.D, OS2	24x LC/APC
41544300ZY	Splice box OV-S	light grey	24	LCD/APC	green	E9/125 G.652.D, OS2	48x LC/APC
41527500ZY	Splice box OV-S	light grey	24	LCQ	blue	E9/125 G.652.D, OS2	96x LC
41533100ZY	Splice box OV-S	black	24	LCQ	blue	E9/125 G.652.D, OS2	96x LC
41523400ZY	Splice box OV-S	light grey	6	ST	metal	E9/125 G.652.D, OS2	6x ST
41523800ZY	Splice box OV-S	light grey	12	ST	metal	E9/125 G.652.D, OS2	12x ST
41524200ZY	Splice box OV-S	light grey	24	ST	metal	E9/125 G.652.D, OS2	24x ST

Variants on request.

Splice box OV-S, 19"/1U, extractable,
configuration example with 24 LCD adapters
and 48 pigtails

19"/1U, Splice box, G50/125 OM4

Article No.	Product	Colour front plate	Number of adapters	Adapter type	Colour adapter	Fibre type	Pigtail type
41534000ZY	Splice box OV-S	black	6	LCD	heather violet	G50/125 OM4	12x LC
41521300ZY	Splice box OV-S	light grey	6	LCD	heather violet	G50/125 OM4	12x LC
41531200ZY	Splice box OV-S	black	12	LCD	heather violet	G50/125 OM4	24x LC
41521700ZY	Splice box OV-S	light grey	12	LCD	heather violet	G50/125 OM4	24x LC
41533000ZY	Splice box OV-S	black	24	LCD	heather violet	G50/125 OM4	48x LC
41522100ZY	Splice box OV-S	light grey	24	LCD	heather violet	G50/125 OM4	48x LC
41533200ZY	Splice box OV-S	black	24	LCQ	heather violet	G50/125 OM4	96x LC
41529500ZY	Splice box OV-S	light grey	24	LCQ	heather violet	G50/125 OM4	96x LC
41537300ZY	Splice box OV-S	black	6	LSH	heather violet	G50/125 OM4	6x LSH
41532500ZY	Splice box OV-S	light grey	6	LSH	heather violet	G50/125 OM4	6x LSH
41537600ZY	Splice box OV-S	black	12	LSH	heather violet	G50/125 OM4	12x LSH
41532600ZY	Splice box OV-S	light grey	12	LSH	heather violet	G50/125 OM4	12x LSH
41537900ZY	Splice box OV-S	black	24	LSH	heather violet	G50/125 OM4	24x LSH
41532700ZY	Splice box OV-S	light grey	24	LSH	heather violet	G50/125 OM4	24x LSH
41522500ZY	Splice box OV-S	light grey	6	SCD	heather violet	G50/125 OM4	12x SC
41522900ZY	Splice box OV-S	light grey	12	SCD	heather violet	G50/125 OM4	24x SC
41523300ZY	Splice box OV-S	light grey	24	SCD	heather violet	G50/125 OM4	48x SC

Variants on request.

Splice box OV-S, 19"/1U, extractable,
configuration example with 24 LCD adapters
and 48 pigtails

19"/1U splice box, G50/125 OM3

Article No.	Product	Colour front plate	Number of adapters	Adapter type	Colour adapter	Fibre type	Pigtail type
41521200ZY	Splice box OV-S	light grey	6	LCD	turquoise	G50/125 OM3	12x LC
41533600ZY	Splice box OV-S	black	6	LCD	turquoise	G50/125 OM3	12x LC
41521600ZY	Splice box OV-S	light grey	12	LCD	turquoise	G50/125 OM3	24x LC
41522000ZY	Splice box OV-S	light grey	24	LCD	turquoise	G50/125 OM3	48x LC
41536100ZY	Splice box OV-S	black	24	LCD	turquoise	G50/125 OM3	48x LC
41522400ZY	Splice box OV-S	light grey	6	SCD	turquoise	G50/125 OM3	12x SC
41533300ZY	Splice box OV-S	black	6	SCD	turquoise	G50/125 OM3	12x SC
41522800ZY	Splice box OV-S	light grey	12	SCD	turquoise	G50/125 OM3	24x SC
41523200ZY	Splice box OV-S	light grey	24	SCD	turquoise	G50/125 OM3	48x SC
41531400ZY	Splice box OV-S	light grey	6	LSH	turquoise	G50/125 OM3	6x LSH
41531600ZY	Splice box OV-S	light grey	12	LSH	turquoise	G50/125 OM3	12x LSH
41531800ZY	Splice box OV-S	light grey	24	LSH	turquoise	G50/125 OM3	24x LSH
41529800ZY	Splice box OV-S	light grey	24	LCQ	turquoise	G50/125 OM3	96x LC
41523600ZY	Splice box OV-S	light grey	6	ST	metal	G50/125 OM3	6x ST
41524000ZY	Splice box OV-S	light grey	12	ST	metal	G50/125 OM3	12x ST
41524400ZY	Splice box OV-S	light grey	24	ST	metal	G50/125 OM3	24x ST

Variants on request.

FO patch panel OV-S, 19"/1U, loaded
Breakout box with adapters

Made of powder-coated sheet steel.
For the termination of pre-assembled fibre optic cables - maximum of 96 fibres.
Extractable drawer.
Numbered front panel, labeling strips as accessories (not for versions with LCQ adapters).
Loaded with a maximum of 24 FO adapters.

Breakout box OV-S, 19"/1U, extractable,
configuration example with 6 SCD adapters

19"/1U breakout box, E9/125 OS2

Article No.	Product	Colour front plate	Number of adapters	Adapter type	Colour adapter	Fibre category
441525000ZY	Breakout box OV-S	light grey	6	LCD	blue	OS2
41542300ZY	Breakout box OV-S	black	6	LCD	blue	OS2
41525400ZY	Breakout box OV-S	light grey	12	LCD	blue	OS2
41542400ZY	Breakout box OV-S	black	12	LCD	blue	OS2
41525800ZY	Breakout box OV-S	light grey	24	LCD	blue	OS2
41526200ZY	Breakout box OV-S	light grey	6	SCD	blue	OS2
41526600ZY	Breakout box OV-S	light grey	12	SCD	blue	OS2
41527000ZY	Breakout box OV-S	light grey	24	SCD	blue	OS2
41531900ZY	Breakout box OV-S	light grey	6	LSH/APC	green	OS2
41532100ZY	Breakout box OV-S	light grey	12	LSH/APC	green	OS2
41532300ZY	Breakout box OV -S	light grey	24	LSH/APC	green	OS2
41520700ZY	Breakout box OV-S	light grey	24	LCQ	blue	OS2

Variants on request.

Breakout box OV-S, 19"/1U, extractable,
configuration example with 6 SCD adapters

19"/1HE breakout box, G50/125 OM4

Article No.	Product	Colour front plate	Number of adapters	Adapter type	Colour adapter	Fibre category
41547400ZY	Breakout box OV-S	light grey	6	LSH	heather violet	OM4
41547500ZY	Breakout box OV-S	light grey	12	LSH	heather violet	OM4
41547600ZY	Breakout box OV-S	light grey	24	LSH	heather violet	OM4
41525300ZY	Breakout box OV-S	light grey	6	LCD	heather violet	OM4
41542500ZY	Breakout box OV-S	black	6	LCD	heather violet	OM4
41525700ZY	Breakout box OV-S	light grey	12	LCD	heather violet	OM4
41542700ZY	Breakout box OV-S	black	12	LCD	heather violet	OM4
41526100ZY	Breakout box OV-S	light grey	24	LCD	heather violet	OM4
41534300ZY	Breakout box OV-S	black	24	LCD	heather violet	OM4
41526500ZY	Breakout box OV-S	light grey	6	SCD	heather violet	OM4
41543100ZY	Breakout box OV-S	black	6	SCD	heather violet	OM4
41526900ZY	Breakout box OV-S	light grey	12	SCD	heather violet	OM4
41543300ZY	Breakout box OV-S	black	12	SCD	heather violet	OM4
41527300ZY	Breakout box OV-S	light grey	24	SCD	heather violet	OM4
41543600ZY	Breakout box OV-S	black	24	SCD	heather violet	OM4
41529600ZY	Breakout box OV-S	light grey	24	LCQ	heather violet	OM4

Variants on request.

Breakout box OV-S, 19"/1U, extractable,
configuration example with 6 SCD adapters

19"/1HE breakout box, G50/125 OM3

Article No.	Product	Colour front plate	Number of adapters	Adapter type	Colour adapter	Fibre category
41525200ZY	Breakout box OV-S	light grey	6	LCD	turquoise	OM3
41542600ZY	Breakout box OV-S	black	6	LCD	turquoise	OM3
41525600ZY	Breakout box OV-S	light grey	12	LCD	turquoise	OM3
41542800ZY	Breakout box OV-S	black	12	LCD	turquoise	OM3
41526000ZY	Breakout box OV-S	light grey	24	LCD	turquoise	OM3
41543000ZY	Breakout box OV-S	black	24	LCD	turquoise	OM3
41526400ZY	Breakout box OV-S	light grey	6	SCD	turquoise	OM3
41543200ZY	Breakout box OV-S	black	6	SCD	turquoise	OM3
41526800ZY	Breakout box OV-S	light grey	12	SCD	turquoise	OM3
41533500ZY	Breakout box OV-S	black	12	SCD	turquoise	OM3
41527200ZY	Breakout box OV-S	light grey	24	SCD	turquoise	OM3
41543500ZY	Breakout box OV-S	black	24	SCD	turquoise	OM3
41528000ZY	Breakout box OV-S	light grey	24	LCQ	turquoise	OM3

Variants on request.

Blank covers and shutters

Shutter for SC Duplex

Shutter for LC Duplex and SC Simplex

Blank cover plugs: ST/FC

SC/LSH/LCD

SCD/LCQ

Article No.	Description	Fibre type	Cover material	Colour	PU
1414887	Shutter for SCD	SM	polymer	blau	1 pc.
1414888	Shutter for SCD	SM	polymer	grün	1 pc.
1414889	Shutter for SCD	MM	polymer	beige	1 pc.
414498	Shutter for SCD	MM	polymer	türkis	1 pc.
414499	Shutter for SCD	MM	polymer	violett	1 pc.
414494	Shutter for LCD or SC simplex	SM	polymer	blau	1 pc.
414495	Shutter for LCD or SC simplex	SM	polymer	grün	1 pc.
414492	Shutter for LCD or SC simplex	MM	polymer	beige	1 pc.
414493	Shutter for LCD or SC simplex	MM	polymer	türkis	1 pc.
414496	Shutter for LCD or SC simplex	MM	polymer	violett	1 pc.
418560	Blank cover for LSH-C				1 pc.
418596	Blank cover for SC/LSH/LCD (21,5 mm)				1 pc.
1414224	Blank cover for SCD /LCQ				1 pc.
1414225	Blank cover for ST/FC				1 pc.
418535	Self-tapping screw M 2.5 x 6 mm				50 pcs.
418599	Screws and nuts M2				50 pcs.

Fibre optic couplers

SC Duplex

ST

LC Duplex with flange

LC Duplex without flange

LC/APC Quad

Article No.	Coupler	Fibre type	Sleeve	Cover material	Colour	Mounting	PU
1414886	ST	MM/SM	ceramic	metal		D hole	1 pc.
418506	SC/APC	SM	ceramic	Polymer	green	flange	1 pc.
418507	SCD	MM	PB	Polymer	beige	flange	1 pc.
418508	SCD	MM	ceramic	Polymer	beige	flange	1 pc.
418509	SCD	MM	PB	Polymer	türkis	flange	1 pc.
418510	SCD	MM	ceramic	Polymer	türkis	flange	1 pc.
418534	SCD	MM	PB	Polymer	violet	flange	1 pc.
418532	SCD	MM	ceramic	Polymer	violet	flange	1 pc.
418511	SCD	SM	ceramic	Polymer	blue	flange	1 pc.
418512	SCD/APC	SM	ceramic	Polymer	green	flange	1 pc.
418513	LCD	MM	ceramic	Polymer	beige	flange	1 pc.
418516	LCD	MM	ceramic	Polymer	türkis	flange	1 pc.
418531	LCD	MM	ceramic	Polymer	violet	flange	1 pc.
418514	LCD	SM	ceramic	Polymer	blue	flange	1 pc.
418515	LCD/APC	SM	ceramic	Polymer	green	flange	1 pc.
418525 [1]	LCD	MM	ceramic	Polymer	beige	threaded flange	1 pc.
418526 [1]	LCD	SM	ceramic	Polymer	blue	threaded flange	1 pc.
418527 [1]	LCD/APC	SM	ceramic	Polymer	green	threaded flange	1 pc.
418528 [1]	LCD	MM	ceramic	Polymer	türkis	threaded flange	1 pc.
418533 [1]	LCD	MM	ceramic	Polymer	violet	threaded flange	1 pc.
418517	LCQ	MM	ceramic	Polymer	beige	flange	1 pc.
418518	LCQ	MM	ceramic	Polymer	türkis	flange	1 pc.
418530	LCQ	MM	ceramic	Polymer	violet	flange	1 pc.
418519	LCQ	SM	ceramic	Polymer	blue	flange	1 pc.
418520	LCQ/APC	SM	ceramic	Polymer	green	flange	1 pc.

[1] These couplers are used with Datwyler FO-DCS subracks 7HP/3U - Article No. 417212.
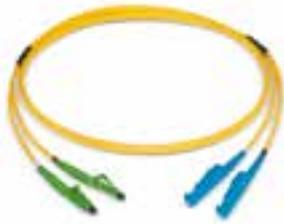
Duplex patch cord
LSH - LCD/APC, OS2
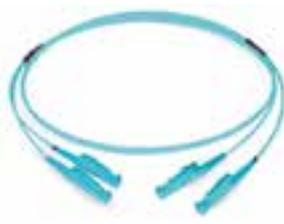
Duplex patch cord
LSH - LSH, OM3

Duplex patch cord
LCD - LSH, OM4

Duplex patch cord
LCD - LCD, OM5

Duplex patch cord Fig. 0, OS2

Connector type		Fibre type	Polarity	Length in m / Article No.									
Side A	Side B			1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m
LCD	LCD	E9/125 G.652.D OS2	A to B	423311	423312	423313	423314	423315	423316	423317	423318	423319	423320
LCD	LCD/APC	E9/125 G.652.D OS2	A to B	423911	423912	423913	423914	423915	423916	423917	423918	423919	423920
LCD	LSH	E9/125 G.652.D OS2	A to B	423411	423412	423413	423414	423415	423416	423417	423418	423419	423420
LCD	LSH/APC	E9/125 G.652.D OS2	A to B	423811	423812	423813	423814	423815	423816	423817	423818	423819	423820
LCD/APC	LCD/APC	E9/125 G.652.D OS2	A to B	429911	429912	429913	429914	429915	429916	429917	429918	429919	429923
LCD/APC	LSH/APC	E9/125 G.652.D OS2	A to B	428911	428912	428913	428914	428915	428916	428917	428918	428919	428920
LSH	LSH	E9/125 G.652.D OS2	A to B	424411	424412	424413	424414	424415	424416	424417	424418	424419	424420
LSH	LSH/APC	E9/125 G.652.D OS2	A to B	424811	424812	424813	424814	424815	424816	424817	424818	424819	424820
LSH	LCD/APC	E9/125 G.652.D OS2	A to B	424911	424912	424913	424914	424915	424916	424917	424918	424919	424920
LSH/APC	LSH/APC	E9/125 G.652.D OS2	A to B	428811	428812	428813	428814	428815	428817	428816	428818	428819	428820

Duplex patch cord Fig. 0, OM3

Connector type		Fibre type	Polarity	Length in m / Article No.									
Side A	Side B			1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m
LCD	LCD	G50/125 OM3	A to B	423331	423332	423333	423334	423335	423336	423337	423338	423339	423340
LCD	LSH	G50/125 OM3	A to B	423431	423432	423433	423434	423435	423436	423437	423438	423439	423440
LSH	LSH	G50/125 OM3	A to B	424431	424432	424433	424434	424435	424436	424437	424438	424439	424440

Duplex patch cord Fig. 0, OM4

Connector type		Fibre type	polarity	Length in m / Article No.									
Side A	Side B			1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m
LCD	LCD	G50/125 OM4	A to B	433341	433342	433343	433344	433345	433346	433347	433348	433349	433350
LCD	LSH	G50/125 OM4	A to B	42349000ZY	42349100ZY	42349200ZY	42349300ZY	42349400ZY	42349500ZY	42349600ZY	42349700ZY	42349800ZY	42349900ZY

Duplex patch cord Fig. 0, OM5

Connector type		Fibre type	Polarity	Length in m / Article No.									
Side A	Side B			1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m
LCD	LCD	G50/125 OM5	A to B	433041	433042	433043	433044	433045	433046	433047	433048	433049	433050

Datwyler offers fiber optic patch cables for individual needs
with a wide range of connector types: datwyler-itinfra.com.
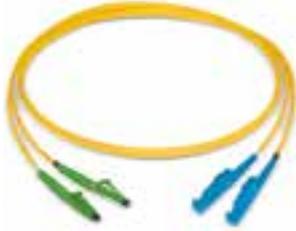
Duplex patch cord
LSH - LCD/APC, OS2

Duplex patch cord
SCD - SCD, OM3

Duplex patch cord
LCD - ST, OM4

Duplex patch cord Fig. 8, OS2

Connector type		Fibre type	Polarity	Length in m / Article No.									
Side A	Side B			1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m
LCD	LCD	E9/125 G.652.D OS2	A to B	42331108ZY	42331208ZY	42331308ZY	42331408ZY	42331508ZY	42331608ZY	42331708ZY	42331808ZY	42331908ZY	42332008ZY
LCD	LCD/APC	E9/125 G.652.D OS2	A to B	42391108ZY	42391208ZY	42391308ZY	42391408ZY	42391508ZY	42391608ZY	42391708ZY	42391808ZY	42391908ZY	42392008ZY
LCD	LSH	E9/125 G.652.D OS2	A to B	42341108ZY	42341208ZY	42341308ZY	42341408ZY	42341508ZY	42341608ZY	42341708ZY	42341808ZY	42341908ZY	42342008ZY
LCD	LSH/APC	E9/125 G.652.D OS2	A to B	42381108ZY	42381208ZY	42381308ZY	42381408ZY	42381508ZY	42381608ZY	42381708ZY	42381808ZY	42381908ZY	42382008ZY
LCD/APC	LCD/APC	E9/125 G.652.D OS2	A to B	42991108ZY	42991208ZY	42991308ZY	42991408ZY	42991508ZY	42991608ZY	42991708ZY	42991808ZY	42991908ZY	42992008ZY
LCD/APC	LSH/APC	E9/125 G.652.D OS2	A to B	42891108ZY	42891208ZY	42891308ZY	42891408ZY	42891508ZY	42891608ZY	42891708ZY	42891808ZY	42891908ZY	42892008ZY
LSH	LSH	E9/125 G.652.D OS2	A to B	42441108ZY	42441208ZY	42441308ZY	42441408ZY	42441508ZY	42441608ZY	42441708ZY	42441808ZY	42441908ZY	42442008ZY
LSH	LSH/APC	E9/125 G.652.D OS2	A to B	42481108ZY	42481208ZY	42481308ZY	42481408ZY	42481508ZY	42481608ZY	42481708ZY	42481808ZY	42481908ZY	42482008ZY
LSH	LCD/APC	E9/125 G.652.D OS2	A to B	42491108ZY	42491208ZY	42491308ZY	42491408ZY	42491508ZY	42491608ZY	42491708ZY	42491808ZY	42491908ZY	42492008ZY
LSH/APC	LSH/APC	E9/125 G.652.D OS2	A to B	42881108ZY	42881208ZY	42881308ZY	42881408ZY	42881508ZY	42881608ZY	42881708ZY	42881808ZY	42881908ZY	42882008ZY

Duplex patch cord Fig. 8, OM3

Connector type		Fibre type	Polarity	Length in m / Article No.									
Side A	Side B			1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m
LCD	LCD	G50/125 OM3	A to B	42333108ZY	42333208ZY	42333308ZY	42333408ZY	42333508ZY	42333608ZY	42333708ZY	42333808ZY	42333908ZY	42334008ZY
SCD	SCD	G50/125 OM3	A to B	42113108ZY	42113208ZY	42113308ZY	42113408ZY	42113508ZY	42113608ZY	42113708ZY	42113808ZY	42113908ZY	42114008ZY
SCD	ST	G50/125 OM3	A to B	42123108ZY	42123208ZY	42123308ZY	42123408ZY	42123508ZY	42123608ZY	42123708ZY	42123808ZY	42123908ZY	42124008ZY
ST	ST	G50/125 OM3	A to B	42223108ZY	42223208ZY	42223308ZY	42223408ZY	42223508ZY	42223608ZY	42223708ZY	42223808ZY	42223908ZY	42224008ZY
LCD	ST	G50/125 OM3	A to B	42233108ZY	42233208ZY	42233308ZY	42233408ZY	42233508ZY	42233608ZY	42233708ZY	42233808ZY	42233908ZY	42234008ZY
LCD	SCD	G50/125 OM3	A to B	42133108ZY	42133208ZY	42133308ZY	42133408ZY	42133508ZY	42133608ZY	42133708ZY	42133808ZY	42133908ZY	42134008ZY

Duplex patch cord Fig. 8, OM4

Connector type		Fibre type	Polarity	Length in m / Article No.									
Side A	Side B			1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m
LCD	LCD	G50/125 OM4	A to B	43334108ZY	43334208ZY	43334308ZY	43334408ZY	43334508ZY	43334608ZY	43334708ZY	43334808ZY	43334908ZY	43335008ZY
LCD	SCD	G50/125 OM4	A to B	43134108ZY	43134208ZY	43134308ZY	43134408ZY	43134508ZY	43134608ZY	43134708ZY	43134808ZY	43134908ZY	43135008ZY
SCD	SCD	G50/125 OM4	A to B	43114108ZY	43114208ZY	43114308ZY	43114408ZY	43114508ZY	43114608ZY	43114708ZY	43114808ZY	43114908ZY	43115008ZY
LCD	ST	G50/125 OM4	A to B	42230108ZY	42230208ZY	42230308ZY	42230408ZY	42230508ZY	42230608ZY	42230708ZY	42230808ZY	42230908ZY	42231008ZY

Please note
Our single fibre cables and the connectors of our Duplex patch cables are marked with cable clips "A" and "B".

There is a single Duplex clip enclosed to enable a change of polarity.

Wiring of a FO Duplex patch cable A to B

A → B
B → A

Connector termination: optical performance values

Datwyler offers a broad range of terminated connectors
for individual customer needs.
These can be supplied in Simplex as well as in Duplex variants.
Most types are available as APC/HRL variants, too.
We are also able to deliver terminations for higher optical
performance requirements.

ST LC

Ferrule material:	zyrconia
	MPO: polymer
Lifetime:	1000 connections with
	stable attenuation values
Test conditions IL:	IEC 61300-3-4
Test conditions RL:	IEC 61300-3-6
Reproducibility of the IL value:	during the whole lifetime a
	maximum of +/- 0.1 dB
Operating temperature:	-10° C up to +60° C

MTP®/MPO SC

Connector	IL [dB] typical	IL [dB] maximum	RL [dB] typical	RL [dB] minimum	Grade (IEC 61755)
MM	0.15	0.3	35	30	better than Bm2m
SM	0.12	0.25	55	50	better than B2
SM/APC	0.12	0.25	70	65	better than B1
MTP®/MPO MM	0.15	0.3	25	20	better than Bm2m
MTP®/MPO SM	0.1	0.25	65	60	better than C1

All connectors are tested with our Simplex, Duplex and Mini Zipcord cables as well as our pigtails.

Pigtails

Connector type	Fibre type	Fibre pigtail 2 m	Set of 12 fibre pigtails 2 m*
SC	E09/OS2	421121	421122
SC	G50/OM4	421144	421145
SC	G50/OM3	421141	421142
ST	E09/OS2	422221	422222
ST	G50/OM4	422244	422245
ST	G50/OM3	422241	422242
LC	E09/OS2	423321	423322
LC	G50/OM4	423348	423349
LC	G50/OM3	423341	423342
SC/APC	E9/OS2	427721	427722
LC/APC	E9/OS2	429921	429922
LSH/APC	E9/OS2	428821	309631

* Set has 12 fibre pigtails in 12 colours (according to IEC 60304)

MTP® is a registered brand name of US Conec.

FIBRE-OPTIC TRUNKS

Pre-assembly of loose-tube cables
with all current FO connector types

Trunk termination
Up to 48 fibres, with all current FO connectors.
After the divider (screwable) each single fibre
is protected by aramide yarn and has its own sheath.
Single fibre termination graded in length (max. 2 m after divider).
Comes in crush-resistant hose, optional with braided sleeving only.
Delivery with optical attenuation measurement report (with OTDR: optional at an extra charge).

Trunk termination (article numbers are valid for both sides)

Number of fibres	LC/APC - LC/APC, E9/125 G.652.D OS2	LC/APC - LC/PC E9/125 G.652.D OS2	LC/PC - LC/PC E9/125 G.652.D OS2	G50/125 OM3	G50/125 OM4	Reaction to fire
4	49533100ZY	49533200ZY	49533300ZY	49533400ZY	49533500ZY	D_{ca}-s2,d1,a1
6	49535600ZY	49535700ZY	49535800ZY	49535900ZY	49536000ZY	D_{ca}-s2,d1,a1
8	49538100ZY	49538200ZY	49538300ZY	49538400ZY	49538500ZY	D_{ca}-s2,d1,a1
12	49540600ZY	49540700ZY	49540800ZY	49540900ZY	49541000ZY	D_{ca}-s2,d1,a1
24	49543100ZY	49543200ZY	49543300ZY	49543400ZY	49543500ZY	D_{ca}-s2,d1,a1
48	49547200ZY	49547300ZY	49547400ZY	49547500ZY	49547600ZY	E_{ca}
72	49548100ZY	49548200ZY	49548300ZY	49548400ZY	49548500ZY	E_{ca}

Number of fibres	LCD/APC - LCD/APC E9/125 G.652.D OS2		LCD/PC - LCD/PC E9/125 G.652.D OS2		G50/125 OM3		G50/125 OM4		Reaction to fire
	Polarität A-A	Polarität A-B	Polarität A-A	Polarität A-B	Polarität A-A	Polarität A-B	Polarität A-A	Polarität A-B	
2	49550600ZY	49552200ZY	49550700ZY	49552300ZY	49550800ZY	49552400ZY	49550900ZY	49552500ZY	D_{ca}-s2,d1,a1
3	49553000ZY	49554600ZY	49553100ZY	49554700ZY	49553200ZY	49554800ZY	49553300ZY	49554900ZY	D_{ca}-s2,d1,a1
4	49555400ZY	49557000ZY	49555500ZY	49557100ZY	49555600ZY	49557200ZY	49555700ZY	49557300ZY	D_{ca}-s2,d1,a1
6	49557800ZY	49559400ZY	49557900ZY	49559500ZY	49558000ZY	49559600ZY	49558100ZY	49559700ZY	D_{ca}-s2,d1,a1
12	49560200ZY	49561800ZY	49560300ZY	49561900ZY	49560400ZY	49562000ZY	49560500ZY	49562100ZY	D_{ca}-s2,d1,a1
24	49562600ZY	49564200ZY	49562700ZY	49564300ZY	49562800ZY	49564400ZY	49562900ZY	49564500ZY	E_{ca}
36	49565000ZY	49566600ZY	49565100ZY	49566700ZY	49565200ZY	49566800ZY	49565300ZY	49566900ZY	E_{ca}

Number of fibres	LSH/APC - LSH/APC E9/125 G.652.D OS2	LSH/PC - LSH/PC E9/125 G.652.D OS2	G50/125 OM3	G50/125 OM4	Reaction to fire
4	49534000ZY	49534100ZY	49534200ZY	49534300ZY	D_{ca}-s2,d1,a1
6	49536500ZY	49536600ZY	49536700ZY	49536800ZY	D_{ca}-s2,d1,a1
8	49539000ZY	49539100ZY	49539200ZY	49539300ZY	D_{ca}-s2,d1,a1
12	49541500ZY	49541600ZY	49541700ZY	49541800ZY	D_{ca}-s2,d1,a1
24	49544000ZY	49544100ZY	49544200ZY	49544300ZY	D_{ca}-s2,d1,a1
48	49545600ZY	49545700ZY	49545800ZY	49545900ZY	E_{ca}
72	49549000ZY	49549100ZY	49549200ZY	49549300ZY	E_{ca}

Number of fibres	SC/APC - SC/APC E9/125 G.652.D OS2	SC/PC - SC/PC E9/125 G.652.D OS2	G50/125 OM3	G50/125 OM4	Reaction to fire
4	49534800ZY	49534900ZY	49535000ZY	49535100ZY	D_{ca}-s2,d1,a1
6	49537300ZY	49537400ZY	49537500ZY	49537600ZY	D_{ca}-s2,d1,a1
8	49539800ZY	49539900ZY	49540000ZY	49540100ZY	D_{ca}-s2,d1,a1
12	49542300ZY	49542400ZY	49542500ZY	49542600ZY	D_{ca}-s2,d1,a1
24	49544800ZY	49544900ZY	49545000ZY	49545100ZY	D_{ca}-s2,d1,a1
48	49546400ZY	49546500ZY	49546600ZY	49546700ZY	E_{ca}
72	49549800ZY	49549900ZY	49550000ZY	49550100ZY	E_{ca}

Trunk terminations are also available with Euroclass B2$_{ca}$ cables.

FIBRE-OPTIC TRUNKS

Pre-assembly of loose-tube cables
with all current FO connector types

Number of fibres	SCD/APC - SCD/APC		SC/PC - SC/PC						Reaction to fire
	E9/125 G.652.D OS2		E9/125 G.652.D OS2		G50/125 OM3		G50/125 OM4		
	Polarity A to A	Polarity A to B	Polarity A to A	Polarity A to B	Polarity A to A	Polarity A to B	Polarity A to A	Polarity A to B	
2	49551400ZY	49552600ZY	49551500ZY	49552700ZY	49551600ZY	49552800ZY	49551700ZY	49552900ZY	D_{ca}-s2,d1,a1
3	49553800ZY	49555000ZY	49553900ZY	49555100ZY	49554000ZY	49555200ZY	49554100ZY	49555300ZY	D_{ca}-s2,d1,a1
4	49556200ZY	49557400ZY	49556300ZY	49557500ZY	49556400ZY	49557600ZY	49556500ZY	49557700ZY	D_{ca}-s2,d1,a1
6	49558600ZY	49559800ZY	49558700ZY	49559900ZY	49558800ZY	49560000ZY	49558900ZY	49560100ZY	D_{ca}-s2,d1,a1
12	49561000ZY	49562200ZY	49561100ZY	49562300ZY	49561200ZY	49562400ZY	49561300ZY	49562500ZY	D_{ca}-s2,d1,a1
24	49563400ZY	49564600ZY	49563500ZY	49564700ZY	49563600ZY	49564800ZY	49563700ZY	49564900ZY	E_{ca}
36	49565800ZY	49567000ZY	49565900ZY	49567100ZY	49566000ZY	49567200ZY	49566100ZY	49567300ZY	E_{ca}

Trunk terminations are also available with Euroclass B2ca cables.

DCS trunk cable
for interconnecting DCS modules

Compact, metal-free cable construction
with FR/LS0H cable sheath and 12 to 144 fibres.
OS2 versions with Euroclass Dca are available
(Euroclass Cca or B2ca version available on request).
Sticker labelling at both cable ends.
The length of individual cables („legs") may be defined
on the basis of a specific project (standard 0.75 m).
The leg separation is effected with a divider housing.
All individual cables are assembled using MTP® connectors with
high-performance 12-fibre Elite® ferrules (MTP8/MTP24 available on request).
Standard connectivity methods can be type A or type C
(other types available on request).
The cables are fitted at both ends with protective sleeves.
MTP connectors are equipped with push-pull boot.

Number of fibres	MTP					
	E9/125 G.652.D OS2		G50/125 OM4		G50/125 OM3	
	Polarity A	Polarity C	Polarity A	Polarity C	Polarity A	Polarity C
12	474040	474050	474000	474010	474070	474080
24	474041	474051	474001	474011	474071	474081
48	474042	474052	474002	474012	474072	474082
72	474043	474053	474003	474013	474073	474083
96	474044	474054	474004	474014	474074	474084
144	474045	474055	474005	474015	474075	474085

FIBRE-OPTIC TRUNKS

DCS trunk cable
for interconnecting DCS breakout modules

Compact, metal-free cable construction with FR/LS0H cable sheath and 12 to 96 fibres.
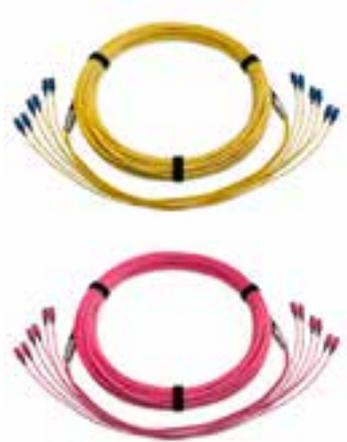Sticker labelling at both cable ends.
The length of individual cables („legs") may be defined on the basis of a specific project (standard 0.75 m).
The leg separation is effected with a divider housing.
All individual cables are assembled using LCDU Intelli-Cross® Pro.
Standard polarities are A to A or A to B.
The cables are fitted at both ends with protective sleeves.

| Number of fibres | LCDU/PC - LCDU/PC | | | |
| | E9/125 G.652.D BLO | | G50/125 OM4 | |
	Polarity A to A	Polarity A to B	Polarity A to A	Polarity A to B
12	47406100ZY	47409100ZY	47406000ZY	47409000ZY
24	47406300ZY	47409300ZY	47406200ZY	47409200ZY
48	47406500ZY	47409500ZY	47406400ZY	47409400ZY
72	47400600ZY	47400700ZY	47400800ZY	47400900ZY
96	47406700ZY	47409700ZY	47406600ZY	47409600ZY

Pre-assembly of breakout cables
with all current FO connector types

Breakout assembly
Termination of up to 24 single-fibre cables, with all current FO connectors.
Single fibre termination optionally graded in length.
Delivery with optical attenuation measurement report.
Comes in braided sleeving (optional at an extra charge: with cable gland and/or crush-resistant hose protection).

Breakout assembly	Connector type	Number of connectors	Multimode fibre Article No.	Single-mode fibre Article No.
on one cable end	SC	4	1410596	415023
on one cable end	SC	8	1410597	415024
on one cable end	SC	12	1410598	415025
on one cable end	SC	24	415083	415081
on one cable end	LC	4	415085	415090
on one cable end	LC	8	415086	415091
on one cable end	LC	12	415087	415092
on one cable end	LC	24	415088	415093

Attention: please order the breakout cable seperately - according to your individual needs.
When ordering a trunk cable please ensure that the specified length of the trunk cable is defined by the length of the longest single-fibre cable. This means: the total length of the trunk cable is the length of the cable between the two splits plus the additional length of the longest single-fibre cable on both sides.

WE DO IT. FOR YOU.

Your successful digitalisation starts with Datwyler's pioneering IT infrastructure:

- **Fibre networks / FTTx**
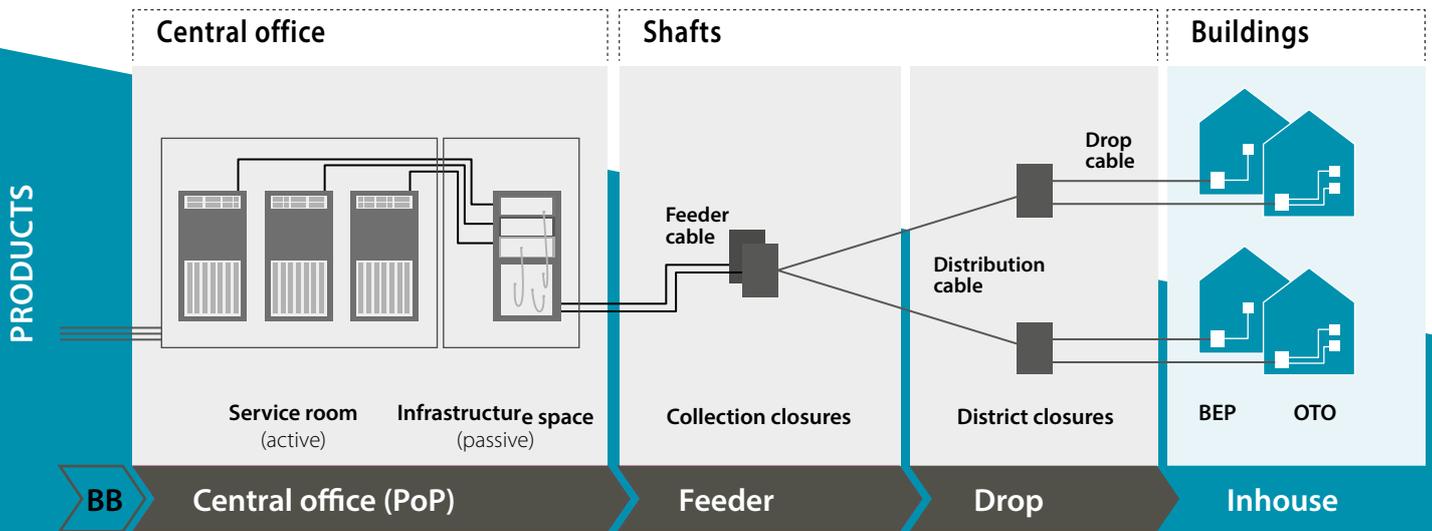- **Intelligent buildings**
- **Data centres**

With our innovative systems, products and services we enable you to scale your business with ease.

TURNKEY SOLUTIONS FROM A SINGLE SOURCE

As an expert turnkey partner we can, if you wish, hand over your complete ready-to-use IT infrastructure: on time, with the services previously arranged, in the version you want and at the cost agreed.

In collaboration with experienced local partners we are also happy to support you in business and engineering planning at the preliminary stage of your project as well as turnkey execution in the passive network sector right through to acceptance, documentation and maintenance of the systems and installations implemented.

THE CENTRAL OFFICE - THE HEART OF FIBRE OPTIC INFRASTRUCTURE

PRODUCTS

| Central office | Shafts | | Buildings |

Drop cable

Feeder cable

Distribution cable

| Service room (active) | Infrastructure space (passive) | Collection closures | District closures | BEP | OTO |

| BB | Central office (PoP) | Feeder | Drop | Inhouse |

SERVICES

Pre-study	PoP specification	Project development	Resources	Implementation	Operation (L1+)
Strategy and feasibility: - Business model - Network design (P2P, PON, G-PON) - Business plan (successive levels of detail) - Models of cooperation - Partner models - Assistance in raising state subsidies	Application for residential and business customers: - FTTx project - Full project - Subproject - Synergies Use for in-house requirements: - Administration - Plants - Cable network	- Acquisition support - Building inspections - Strategic cell design - Master plan for conduits - Processes and organisation - Resources (project mangement, team)	Material / logistics: - Materialisation - Training - Development - Logistics Areas of application: - Central office / PoP - Outdoor - Indoor - Tools Partners: - Establishing a network	- Contract models - Project mangement - Coordination of local partners - Operative cell design - Network construction - Documentation - Commissioning - Training	- Activation and switch-over - New connections and expansions - Maintenance - Continuous documentation

FO Indoor FTTH

2.2 mm, 2.8 mm LS0H, for indoor use
flame retardant, in accordance with IEC 60794-2-20

FO Indoor FTTH DLT / J-B(ZN)H, 2.2 mm, LS0H

FO Indoor FTTH STB / I-V(ZN)H, 2,8mm, LS0H

FO Indoor FTTH DLT / J-B(ZN)H, up to 4 fibres, 2.2 mm

Description	Fibres number	Article No. E9/125 G.652.D BLO Sheath colour: yellow	Article No. G50/125 OM4 Sheath colour: heather violet
FO Indoor FTTH 2.2 mm, 1 x 2	2	19733300DZ	
FO Indoor FTTH 2.2 mm, 1 x 4	4	19727700DZ	

FO Indoor FTTH STB / I-V(ZN)H, up to 4 fibres, Semi Tight Buffer, 2.8 mm

Description	Fibres number	Article No. E9/125 G.652.D BLO Sheath colour: yellow	Article No. G50/125 OM4 Sheath colour: heather violet
FO Indoor FTTH 2.8, 4x1	4	19341000DZ	19440500DZ

The "D" in these article numbers stands for Euroclass D_{ca}. For higher fire performance requirements, Datwyler offers these cables also with Class C_{ca} or even $B2_{ca}$ performance. For the available Euroclasses please refer to the online data sheets on datwyler-itinfra.com.

FTTH data outlet AP 80 x 80

SC/APC or LCD/APC design
surface mounted, also on top of installation cups

Article No.	Product	Adapter	Fibre type	Pigtails	Colour	PU
41860500ZY	FTTH data outlet AP	1 x SC	E9/125 G.652.D BLO	1 x SC	pure white	1 pc.
41860600ZY	FTTH data outlet AP	1 x LCD/APC			pure white	1 pc.
41860700ZY	FTTH data outlet AP	2 x LCD/APC			pure white	1 pc.
41860800ZY	FTTH data outlet AP	1 x LCD/APC	E9/125 G.657.A1	2 x LC/APC	pure white	1 pc.
41860900ZY	FTTH data outlet AP	2 x LCD/APC	E9/125 G.657.A1	4 x LC/APC	pure white	1 pc.
41861000ZY	FTTH data outlet AP	1 x SC/APC			pure white	1 pc.
41861100ZY	FTTH data outlet AP				pure white	1 pc.
41861200ZY	FTTH data outlet AP	1 x SC/APC	E9/125 G.657.A1	1 x SC/APC	pure white	1 pc.
41861300ZY	FTTH data outlet AP	2 x SC/APC	E9/125 G.657.A1	2 x SC/APC	pure white	1 pc.

FIBRE OPTIC SOLUTIONS
Broadband networks

FTTH in-house installation kit
Cable & data outlet, preassembled
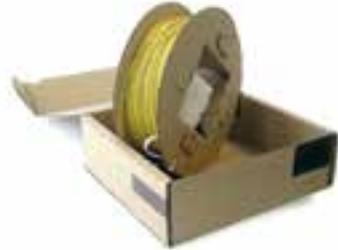
FTTH surface-mount data outlet for indoor installation, 80 x 80 mm, with LC/APC adapters.
Includes a very thin FO Inhouse cable with 2 or 4 single-mode fibres,
terminated with LC/APC connectors at one cable end.
The cable is already plugged into the adapters of the data outlet.
Comes on cardboard drum in carton.
The measurement protocol is included in the box.

Article No.	Description	Cable length	PU
41861500ZY	2x LC/APC in LCD/APC adapter	10 m	1 set
41861600ZY	2x LC/APC in LCD/APC adapter	15 m	1 set
41861700ZY	2x LC/APC in LCD/APC adapter	20 m	1 set
41861800ZY	2x LC/APC in LCD/APC adapter	25 m	1 set
41861900ZY	2x LC/APC in LCD/APC adapter	30 m	1 set
41862000ZY	2x LC/APC in LCD/APC adapter	35 m	1 set
41862100ZY	2x LC/APC in LCD/APC adapter	40 m	1 set
41862200ZY	2x LC/APC in LCD/APC adapter	45 m	1 set
41862300ZY	2x LC/APC in LCD/APC adapter	50 m	1 set
41862400ZY	2x LC/APC in LCD/APC adapter	55 m	1 set
41862500ZY	2x LC/APC in LCD/APC adapter	60 m	1 set
41863400ZY	4x LC/APC in 2 LCD/APC adapter	10 m	1 set
41863500ZY	4x LC/APC in 2 LCD/APC adapter	15 m	1 set
41863600ZY	4x LC/APC in 2 LCD/APC adapter	20 m	1 set
41863700ZY	4x LC/APC in 2 LCD/APC adapter	25 m	1 set
41863800ZY	4x LC/APC in 2 LCD/APC adapter	30 m	1 set
41863900ZY	4x LC/APC in 2 LCD/APC adapter	35 m	1 set
41864000ZY	4x LC/APC in 2 LCD/APC adapter	40 m	1 set
41864100ZY	4x LC/APC in 2 LCD/APC adapter	45 m	1 set
41864200ZY	4x LC/APC in 2 LCD/APC adapter	50 m	1 set
41864300ZY	4x LC/APC in 2 LCD/APC adapter	55 m	1 set
41864400ZY	4x LC/APC in 2 LCD/APC adapter	60 m	1 set
41814500ZY	4x LC/APC in 2 LCD/APC adapter	65 m	1 set
41814600ZY	4x LC/APC in 2 LCD/APC adapter	70 m	1 set
41814700ZY	4x LC/APC in 2 LCD/APC adapter	75 m	1 set

DROP / FEEDER CABLING
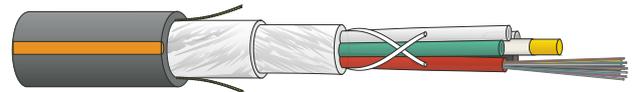
FO Outdoor ZGGT HP / A-DQ(ZN)B2Y
HighP

Central loose tube, metal-free,
longitudinally watertight, rodent protection

FO Outdoor ZGGT HP / A-DQ(ZN)B2Y, 1 x m, ≤ 24 fibres

FO Outdoor wbGGT HP / A-DQ(ZN)B2Y
HighP

Metal-free, trockene dry interstices,
longitudinally watertight, rodent protection

FO Outdoor wbGGT HP / A-DQ(ZN)B2Y, n x m, 12-576 fibres

FO Outdoor ZKT Micro / A-DQ(ZN)2Y
Micro

Very compact, metal-free, dry interstices,
stranded loose tubes, easily cut-back, installation-friendly

FO Outdoor ZKT Micro / A-DQ(ZN)2Y, 1 x m , ≤ 24 fibres

FO Outdoor ZGGT HP, up to 24 fibres

A-DQ(ZN)B2Y Description	1 x m	Fibres number	Article No. with E9/125 G.652.D
FO Outdoor ZGGT HP	1 x 4	4	19016600FZ
FO Outdoor ZGGT HP	1 x 6	6	19016700FZ
FO Outdoor ZGGT HP	1 x 8	8	19016800FZ
FO Outdoor ZGGT HP	1 x 12	12	19016900FZ
FO Outdoor ZGGT HP	1 x 24	24	19014900FZ

FO Outdoor wbGGT HP, 12-576 fibres

A-DQ(ZN)B2Y Description	n x m	Fibres number	Article No. with E9/125 G.652.D
FO Outdoor wbGGT HP	1 x 12	12	19005900FZ
FO Outdoor wbGGT HP	2 x 12	24	18674800FZ
FO Outdoor wbGGT HP	4 x 12	48	18738500FZ
FO Outdoor wbGGT HP	6 x 12	72	19017200FZ
FO Outdoor wbGGT HP	8 x 12	96	18676000FZ
FO Outdoor wbGGT HP	12 x 12	144	18739400FZ
FO Outdoor wbGGT HP	6 x 24	144	19076400FZ
FO Outdoor wbGGT HP	8 x 24	192	19127000FZ
FO Outdoor wbGGT HP	9 x 24	216	19069600FZ
FO Outdoor wbGGT HP	12 x 24	288	19032500FZ
FO Outdoor wbGGT HP	18 x 24	432	19017800FZ
FO Outdoor wbGGT HP	24 x 24	576	19720400FZ

FO Outdoor ZKT Micro, up to 24 fibres

A-DQ(ZN)B2Y Description	1 x m	Fibres number	Outer sheath Ø mm	Article No. with E9/125 G.652.D BLO
FO Outdoor ZKT Micro	1 x 2	2	4	19170200FZ
FO Outdoor ZKT Micro	1 x 4	4	4	19065800FZ
FO Outdoor ZKT Micro	1 x 6	6	4	19170300FZ
FO Outdoor ZKT Micro	1 x 8	8	4	19170400FZ
FO Outdoor ZKT Micro	1 x 10	10	4	19170500FZ
FO Outdoor ZKT Micro	1 x 12	12	4	19022700FZ
FO Outdoor ZKT Micro	1 x 24	24	4	19123500FZ

FO Outdoor wbKT Micro / A-DQ(ZN)2Y
Micro

Very thin, metal-free, stranded loose tubes,
easily cut-back, installation friendly

FO Outdoor ZT S-Micro / A-D2Y
S-Micro

Very thin, metal-free, with one central loose tube,
easily cut-back, installation friendly,
optimised for injection into microducts

FO Outdoor wbKT S-Micro / A-DQ(ZN)2Y
S-Micro

Very compact, metal-free, dry interstices,
stranded loose tubes, easily cut-back, installation-friendly,
optimised for injection into microducts

FO Outdoor wbKT C-Micro / A-DQ(ZN)2Y
C-Micro

Highly compact, metal-free, dry interstices,
stranded loose tubes, easily cut-back, installation-friendly,
optimised for injection into microducts

FO Outdoor wbKT Micro / A-DQ(ZN)2Y, n x m, ≤ 144 fibres

FO Outdoor ZT S-Micro / A-D2Y, 1 x m, ≤ 24 fibres

FO Outdoor wbKT S-Micro / A-DQ(ZN)2Y, 1 x m, 12-288 fibres

FO Outdoor wbKT C-Micro / A-DQ(ZN)2Y, n x m, with 72 fibres (200 µm)

FO Outdoor wbKT Micro, up to 144 fibres

A-DQ(ZN)2Y Description	n x m	Fibres number	Outer sheath Ø mm	Article No. with E9/125 G.652.D BLO
FO Outdoor wbKT Micro	1 x 12	12	6.6	19170600FZ
FO Outdoor wbKT Micro	2 x 12	24	6.6	19008000FZ
FO Outdoor wbKT Micro	3 x 12	36	6.6	19022900FZ
FO Outdoor wbKT Micro	4 x 12	48	6.6	19023000FZ
FO Outdoor wbKT Micro	5 x 12	60	6.6	19023100FZ
FO Outdoor wbKT Micro	6 x 12	72	6.5	19023200FZ
FO Outdoor wbKT Micro	8 x 12	96	7.6	19181300FZ
FO Outdoor wbKT Micro	6 x 24	144	8.2	19181400FZ

FO Outdoor ZT S-Micro, up to 24 fibres

A-D2Y Description	1 x m	Fibres number	Outer sheath Ø mm	Article No. with E9/125 G.652.D BLO
FO Outdoor ZT S-Micro	1 x 4	4	2.4	19343400FZ
FO Outdoor ZT S-Micro	1 x 6	6	2.4	19604800FZ
FO Outdoor ZT S-Micro	1 x 12	12	2.4	19346000FZ
FO Outdoor ZT S-Micro	1 x 24	24	2.4	19343300FZ

FO Outdoor wbKT S-Micro, up to 288 fibres

A-DQ(ZN)2Y Description	n x m	Fibres number	Outer sheath Ø mm	Article No. with E9/125 G.652.D BLO
FO Outdoor wbKT S-Micro	2 x 12	24	4.2	19269300FZ
FO Outdoor wbKT S-Micro	4 x 12	48	4.2	19215000FZ
FO Outdoor wbKT S-Micro	8 x 12	96	6.6	19215900FZ
FO Outdoor wbKT S-Micro	12 x 12	144	8.2	19709000FZ
FO Outdoor wbKT S-Micro	6 x 24	144	6.5	19450000FZ
FO Outdoor wbKT S-Micro	8 x 24	192	8.4	19339600FZ
FO Outdoor wbKT S-Micro	9 x 24	216	8.4	19262500FZ
FO Outdoor wbKT S-Micro	12 x 24	288	10.4	19600000FZ

FO Outdoor wbKT C-Micro, 72 fibres

A-DQ(ZN)2Y Description	n x m	Fibres number	Sheath Ø mm	Article No. with E9/125 G.652.D BLO200
FO Outdoor wbKT C-Micro	3 x 24	72	4.1	19618000FZ

FO Outdoor ZKT S-Micro BL / A-DQ(ZN)2Y F_{ca}
S-Micro

Highly compact, metal-free, stranded loose tubes and with dry interstices. Easily cut-back, installation-friendly cable construction.

FO Outdoor ZKT S-Micro BL / A-DQ(ZN)2Y, F_{ca}, 1 x m, ≤ 24 fibres

FO Outdoor wbKT S-Micro BL / A-DQ(ZN)2Y F_{ca}
S-Micro

Highly compact, metal-free, stranded loose tubes and with dry interstices. Easily cut-back, installation-friendly cable construction.

FO Outdoor wbKT S-Micro BL / A-DQ(ZN)2Y, F_{ca}, n x m, ≤ 576 fibres

FO Outdoor wbKT C-Micro BL / A-DQ(ZN)2Y F_{ca}
C-Micro

Highly compact, metal-free, stranded loose tubes and with dry interstices. Easily cut-back, installation-friendly cable construction.

FO Outdoor wbKT C-Micro BL / A-DQ(ZN)2Y, F_{ca}, n x m, ≤ 576 fibres (200µm)

FO Outdoor ZKT S-Micro BL, up to 24 fibres

A-DQ(ZN)2Y Description	1 x m	Fibres number	Outer sheath Ø mm	Article No. with E9/125 G.657.A1
FO Outdoor ZKT S-Micro BL	1 x 6	6	2.5	19172010FZ
FO Outdoor ZKT S-Micro BL	1 x 12	12	2.5	19172110FZ
FO Outdoor ZKT S-Micro BL	1 x 24	24	2.5	19172210FZ

FO Outdoor wbKT S-Micro BL, up to 576 fibres

A-DQ(ZN)2Y Description	n x m	Fibres number	Outer sheath Ø mm	Article No. with E9/125 G.657.A1
FO Outdoor wbKT S-Micro BL	2 x 12	24	5.3	19172310FZ
FO Outdoor wbKT S-Micro BL	4 x 12	48	5.3	19172410FZ
FO Outdoor wbKT S-Micro BL	8 x 12	96	6.1	19172510FZ
FO Outdoor wbKT S-Micro BL	12 x 12	144	7.8	19172610FZ
FO Outdoor wbKT S-Micro BL	24 x 12	288	9.3	19172710FZ
FO Outdoor wbKT S-Micro BL	24 x 24	576	13.0	19172810FZ

FO Outdoor wbKT C-Micro BL, up to 576 fibres

A-DQ(ZN)2Y Description	n x m	Fibres number	Outer sheath Ø mm	Article No. with E9/125 G.657.A1
FO Outdoor wbKT C-Micro BL	2 x 12	24	4.3	19172910FZ
FO Outdoor wbKT C-Micro BL	4 x 12	48	4.3	19173010FZ
FO Outdoor wbKT C-Micro BL	8 x 12	96	5.2	19173110FZ
FO Outdoor wbKT C-Micro BL	12 x 12	144	7.3	19173210FZ
FO Outdoor wbKT C-Micro BL	24 x 12	288	8.1	19173310FZ
FO Outdoor wbKT C-Micro BL	24 x 24	576	10.2	19173410FZ

FO CABLE - MICRO DUCT DIMENSIONS

Cable family	VDE designation	Art. No.	Article	No. of fibres	Fibre type	Outer Ø [mm]	Micro duct dimensions (inner diameter)									
							4	5	5.5	6	8	10	12	14	15	16
ZT S-Micro	**A-D2Y**	19343400FZ	FO Outdoor S-Micro 1x4	4	E9/125 G.652.D BLO	2.4	✓	✓	✓	✓	✓					
		19604800FZ	FO Outdoor S-Micro 1x6	6	E9/125 G.652.D BLO	2.4	✓	✓	✓	✓	✓					
		19346000FZ	FO Outdoor S-Micro 1x12	12	E9/125 G.652.D BLO	2.4	✓	✓	✓	✓	✓					
		19343300FZ	FO Outdoor S-Micro 1x24	24	E9/125 G.652.D BLO	2.4	✓	✓	✓	✓	✓					
wbKT S-Micro	**A-DQ(ZN)2Y**	19269300FZ	FO Outdoor S-Micro 2x12	24	E9/125 G.652.D BLO	4.2			✓	✓	✓	✓				
		19215000FZ	FO Outdoor S-Micro 4x12	48	E9/125 G.652.D BLO	4.2		✓	✓	✓	✓					
		19215900FZ	FO Outdoor S-Micro 8x12	96	E9/125 G.652.D BLO	6.6					✓	✓	✓			
		19709000FZ	FO Outdoor S-Micro 12x12	144	E9/125 G.652.D BLO	8.2						✓	✓	✓	✓	
		19450000FZ	FO Outdoor S-Micro 6x24	144	E9/125 G.652.D BLO	6.5					✓	✓				
		19339600FZ	FO Outdoor S-Micro 8x24	192	E9/125 G.652.D BLO	8.4						✓	✓	✓	✓	
		19262500FZ	FO Outdoor S-Micro 9x24	216	E9/125 G.652.D BLO	8.4						✓	✓	✓		
		19600000FZ	FO Outdoor S-Micro 12x24	288	E9/125 G.652.D BLO	10.4							✓	✓	✓	✓
ZKT S-Micro BL	**A-DQ(ZN)2Y**	19172010FZ	FO Outdoor S-Micro BL 1x6	6	E9/125 G.657.A1	2.5	✓	✓	✓	✓	✓					
		19172110FZ	FO Outdoor S-Micro BL 1x12	12	E9/125 G.657.A1	2.5	✓	✓	✓	✓	✓					
		19172210FZ	FO Outdoor S-Micro BL 1x24	24	E9/125 G.657.A1	2.8	✓	✓	✓	✓						
wbKT S-Micro BL	**A-DQ(ZN)2Y**	19172310FZ	FO Outdoor S-Micro BL 2x12	24	E9/125 G.657.A1	5.3				✓	✓	✓				
		19172410FZ	FO Outdoor S-Micro BL 4x12	48	E9/125 G.657.A1	5.3				✓	✓	✓				
		19172510FZ	FO Outdoor S-Micro BL 8x12	96	E9/125 G.657.A1	6.1				✓	✓	✓				
		19172610FZ	FO Outdoor S-Micro BL 12x12	144	E9/125 G.657.A1	7.8						✓	✓	✓		
		19172710FZ	FO Outdoor S-Micro BL 24x12	288	E9/125 G.657.A1	9.3							✓	✓	✓	✓
		19172810FZ	FO Outdoor S-Micro BL 24x24	576	E9/125 G.657.A1	13.0									✓	✓
wbKT C-Micro	**A-DQ(ZN)2Y**	19618000FZ	FO Outdoor C-Micro 3x24	72	E9/125 G.652.D BLO200	4.1		✓	✓	✓	✓					
wbKT C-Micro BL	**A-DQ(ZN)2Y**	19172910FZ	FO Outdoor C-Micro BL 2x12	24	E9/125 G.657.A1	4.3				✓	✓	✓				
		19173010FZ	FO Outdoor C-Micro BL 4x12	48	E9/125 G.657.A1	4.3				✓	✓	✓				
		19173110FZ	FO Outdoor C-Micro BL 8x12	96	E9/125 G.657.A1	5.2				✓	✓	✓				
		19173210FZ	FO Outdoor C-Micro BL 12x12	144	E9/125 G.657.A1	7.3						✓	✓	✓		
		19173310FZ	FO Outdoor C-Micro BL 24x12	288	E9/125 G.657.A1	8.1						✓	✓	✓		
		19173410FZ	FO Outdoor C-Micro BL 24x24	576	E9/125 G.657.A1	10.2							✓	✓	✓	✓
ZKT Micro	**A-DQ(ZN)2Y**	19170200FZ	FO Outdoor Micro 1x2	2	E9/125 G.652.D BLO	4.0		✓	✓	✓	✓					
		19065800FZ	FO Outdoor Micro 1x4	4	E9/125 G.652.D BLO	4.0		✓	✓	✓	✓					
		19170300FZ	FO Outdoor Micro 1x6	6	E9/125 G.652.D BLO	4.0		✓	✓	✓	✓					
		19170400FZ	FO Outdoor Micro 1x8	8	E9/125 G.652.D BLO	4.0		✓	✓	✓	✓					
		19170500FZ	FO Outdoor Micro 1x10	10	E9/125 G.652.D BLO	4.0		✓	✓	✓	✓					
		19022700FZ	FO Outdoor Micro 1x12	12	E9/125 G.652.D BLO	4.0		✓	✓	✓	✓					
		19123500FZ	FO Outdoor Micro 1x24	24	E9/125 G.652.D BLO	4.0		✓	✓	✓	✓					
wbKT Micro	**A-DQ(ZN)2Y**	19170600FZ	FO Outdoor Micro 1x12	12	E9/125 G.652.D BLO	6.6					✓	✓	✓			
		19008000FZ	FO Outdoor Micro 2x12	24	E9/125 G.652.D BLO	6.6					✓	✓	✓			
		19022900FZ	FO Outdoor Micro 3x12	36	E9/125 G.652.D BLO	6.6					✓	✓	✓			
		19023000FZ	FO Outdoor Micro 4x12	48	E9/125 G.652.D BLO	6.6					✓	✓	✓			
		19023100FZ	FO Outdoor Micro 5x12	60	E9/125 G.652.D BLO	6.6					✓	✓	✓			
		19023200FZ	FO Outdoor Micro 6x12	72	E9/125 G.652.D BLO	6.5					✓	✓	✓			
		19181300FZ	FO Outdoor Micro 8x12	96	E9/125 G.652.D BLO	7.6						✓	✓	✓		
		19181400FZ	FO Outdoor Micro 6x24	144	E9/125 G.652.D BLO	8.2						✓	✓	✓	✓	

Side tabs: **S-Micro**, **C-Micro**, **Micro**

✓ Possible combinations with limited installation lengths
✓ Recommended combinations

The information provided is a non-binding recommendation without guarantee.
The achievable blowing-in lengths depend on the installation, equipment and quality of the pipe.

DATWYLER IT INFRA'S FUTURE-PROOF DATA CENTRE CABLING SOLUTIONS – A COMPARISON

HIGH-DENSITY DATA CENTRE SOLUTION (HD-DCS)

The HD-DCS offers users higher quality features than the FO-DCS and, in addition, more than twice the port density and even greater flexibility. The HD-DCS housings feature integrated cable management, which simplifies installation and maintenance. Port labelling is also simpler and more flexible.

Performance features:

- **Extremely compact solution with maximum port density (MTP and LCD)**
- **Flexible assembly with plug-in modules of different size and port density (6, 12, 24)**
- **Integrated cable management and labelling system**
- **Compact patch cables (2 mm) with push-pull tabs**
- **Patch cables and breakout cables with CPR classification (up to B2$_{ca}$)**

MEDIUM-DENSITY DATA CENTRE SOLUTION (MD-DCS)

The MD-DCS is the third variant in the family of Datwyler data centre solutions. The port density of this system is between that of FO-DCS and HD-DCS and is therefore perfect for small and medium-sized data centres and server rooms. As with the other two solutions, installation, maintenance and cable management are simple and flexible.

Performance features:

- **Medium port density solution for SCD, LCD and MTP**
- **Flexible assembly with four modules (cassettes) per height unit with 3 SCD ports to 12 LCD ports per module**
- **Integrated labelling**
- **Use of DCS cables for tool-free installation and for the same quality in the overall system (compatibility)**
- **Breakout, fanout and splice variants**

FIBRE OPTIC DATA CENTRE SOLUTION (FO-DCS)

FO-DCS is a future-proof, preassembled plug-and-go fibre optic solution characterised by high-quality cables and components and high-precision connector assembly. Due to its outstanding optical and geometric values, it is suitable for all current and future high-speed applications in the data centre. Modular components can be combined as required, thus providing users with a maximum in design flexibility.

Performance features:

- **Simple installation with intuitive labelling and easy access from the front**
- **High quality 3U/7HP plug-in modules (cassettes)**
- **Connectivity solutions with MTP, LDC and LCQ**
- **Breakout and splice solutions available**
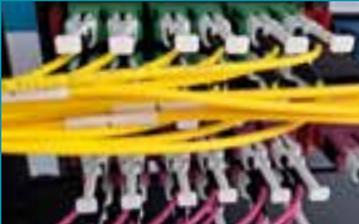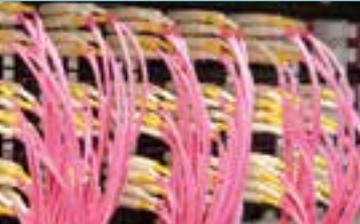- **Simple integration of copper connections**

Product details from page 79

Product details from page 85

Product details from page 93

DCS cabling solutions, suitable for all three systems from page 101

FUTURE-PROOF
DATA CENTRE CABLING

THE SYSTEM SOLUTIONS –
A COMPARISON

CRITERION	HD-DCS	MD-DCS	FO-DCS
Max. number of ports on 1U	96	48	36
Max. number of ports on 4U	384	192	144
Connection types	LCD, MTP	SCD, LCD, MTP	SCD, LCD, MTP, LSH-C
Fibre types	OM4, OM5 (on request), OS2 G652.D BLO	OM4, OM5, OS2 G652.D BLO	OM3, OM4, OS2 G652.D BLO
Max. number of fibres / 1U - LCD	192	96	72
Max. number of fibres / 1U - MTP$_{12}$	1152	576	432
Max. Number of fibres / 4U - LCD	768	384	288
Max. number of fibres / 4U - MTP$_{12}$	4608	2304	1728
LCD adapters with integral dust covers	●	–	–
Splice module	–	●	●
Breakout module	●	●	●
Copper module with 6x RJ45	–	●	●
FO module with 6 ports	●	●	●
FO module with 12 ports	●	●	●
FO module with 24 ports	●	–	–
Patch cable, round, 2 mm	●	●	●
Patch cable management 0U	●	●	●
		for 2U panels or 2x 1U	only with 4U subrack
	details from page 79	**details from page 85**	**details from page 93**
	DCS cabling solutions from page 101		

HIGH-DENSITY
DATA CENTRE SOLUTION (HD-DCS)

Datwyler IT Infra's modular high-density cabling solution is characterised by its port density and flexibility

With the implementation of new technologies such as IoT, AI and Big Data, a steady increase in the volume of digital data that needs to be processed and transferred to its destination is expected. As a result, data centres and data networks are also growing rapidly. To accommodate this development, companies need cabling solutions for their active components with very high port densities and the necessary flexibility for future requirements.

The HD-DCS modular solution from Datwyler IT Infra offers this network flexibility, a high scalability in a compact footprint, saves rack space and enables intelligent connection configurations. This makes HD-DCS an ideal solution for fiber optic data networks, especially in data centres.

The HD-DCS modules (cassettes) are particularly suitable for all high-density and high-performance applications with duplex signals. These modules can achieve a packing density of up to 1152 fibres per rack unit (MTP_{12}). With an HD-DCS solution, your data network infrastructure is ready for future growth.

PATCH PANEL

HD-DCS modular panel, 19"/1U
to take 4 or 12 HD-DCS plug-in modules

Modular, scalable high-density platform for the data centre environment.
Sturdy stainless steel housing with depth-adjustable cable support plate and front 19"/1U mounting brackets.
Pre-assembled with four slots to take HD-DCS plug-in modules from the front or rear.
Each slot accepts three modules with 6 ports or one module with 12 or 24 ports.

Allows for variable, scalable port densities from 48 up to 96 ports (LCD and MPO/MTP®).
Up to 192 fibres (with LCD) or 1152 fibres (with MTP_{12}) per height unit.

Article No.	Description	Colour (front plate)	Colour	PU
473600	HD-DCS panel, 19" 1U, 4x 12/24-port	black	silver	1 pc.
473601	HD-DCS panel, 19" 1U, 12x 6-port	black	silver	1 pc.
473602	HD-DCS panel, 19" 1U, 6/12/24-port	black	silver	1 pc.

CASSETTES

HD-DCS MTP module, 1x MTP on 6x LCD/PC or LCD/APC
OM4 or OS2, for HD-DCS modular panel

Accepts pre-assembled MTP trunk cables.
Suitable for all high-density and high-performance applications with duplex signals,
particularly in the data centre environment.
Assembled to a very high quality which guarantees optimum values for optical performance (IL/RL).
Polycarbonate (PC) housing with press-fit cover (sealed).
Insertion into the panel from the front.
The MTP coupler at the rear is routed to the front couplers (6LCD) by way of an internal fanout.
Front couplers with integrated, automatic transparent dust shutters.

A packing density of up to 144 fibres on 1U can be achieved with this module type.

Article No.	Description	Colour	PU
473520	HD-DCS MTP module, 1x MTP on 6x LCD/PC, OM4	black	1 pc.
473522	HD-DCS MTP module, 1x MTP on 6x LCD/PC, OS2	black	1 pc.
473523	HD-DCS MTP module, 1x MTP on 6x LCD/APC, OS2	black	1 pc.

HD-DCS MTP module, 1x MTP Duplex on 12x LCD/PC or LCD/APC
OM4 or OS2, for HD-DCS modular panel

Accepts pre-assembled MTP® trunk cables.
Suitable for all high-density and high-performance applications with duplex signals,
particularly in the data centre environment.
Assembled to a very high quality which guarantees optimum values for optical performance (IL/RL).
Polycarbonate (PC) housing with press-fit cover (sealed).
Insertion into panel from the front or rear.
The MTP Duplex coupler at the rear is routed to the front couplers (2x 6LCD) by way of internal fanouts.
Front couplers with integrated, automatic transparent dust shutters.

A packing density of up to 96 fibres on 1U can be achieved with this module type.

Article No.	Description	Colour	PU
473500	HD-DCS MTP module, 1x MTP Duplex on 12x LCD/PC, OM4	black	1 pc.
473504	HD-DCS MTP module, 1x MTP Duplex on 12x LCD/PC, OS2	black	1 pc.
473506	HD-DCS MTP module, 1x MTP Duplex on 12x LCD/APC, OS2	black	1 pc.

MTP® is a registered brand of US Conec.

HD-DCS MTP module, 2x MTP Duplex on 24x LCD/PC or LCD/APC
OM4 or OS2, for HD-DCS modular panel

Accepts pre-assembled MTP trunk cables.
Suitable for all high-density and high-performance applications with duplex signals,
particularly in the data centre environment.
Assembled to a very high quality which guarantees optimum values for optical performance (IL/RL).
Polycarbonate (PC) housing with press-fit cover (sealed).
Insertion into panel from the front or rear.
Two MTP Duplex couplers at the rear are routed to the front couplers (4x 6LCD) by way of internal fanouts.
Front couplers with integrated, automatic transparent dust shutters.

A packing density of up to 192 fibres on 1U can be achieved with this module type.

Article No.	Description	Colour	PU
473501	HD-DCS MTP module, 2x MTP Duplex on 24x LCD/PC, OM4	black	1 pc.
473505	HD-DCS MTP module, 2x MTP Duplex on 24x LCD/PC, OS2	black	1 pc.
473507	HD-DCS MTP module, 2x MTP Duplex on 24x LCD/APC, OS2	black	1 pc.

HD-DCS BO module, 6x LCD/PC or LCD/APC
OM4 or OS2, for HD-DCS modular panel

Accepts pre-assembled LC/LCD trunk cables.
Suitable for all high-density and high-performance applications with duplex signals,
particularly in the data centre environment.
Polycarbonate (PC) housing with press-fit cover (sealed).
Insertion into panel from the front.
Rear side slot fitted with a cable grommet.
Front couplers with integrated, automatic transparent dust shutters.

A packing density of 144 fibres on 1U can be achieved with this module type.

Article No.	Description	Colour	PU
473560	HD-DCS BO module, 6x LCD/PC, OM4	black	1 pc.
473562	HD-DCS BO module, 6x LCD/PC, OS2	black	1 pc.
473563	HD-DCS BO module, 6x LCD/APC, OS2	black	1 pc.

HD-DCS BO module, 12x LCD/PC or LCD/APC
OM4 or OS2, for HD-DCS modular panel

Accepts pre-assembled LC/LCD trunk cables.
Suitable for all high-density and high-performance applications with duplex signals,
particularly in the data centre environment.
Polycarbonate (PC) housing with press-fit cover (sealed).
Insertion into panel from the front or rear.
Rear side slot fitted with a cable grommet.
Front couplers with integrated, automatic transparent dust shutters.

A packing density of up to 96 fibres on 1U can be achieved with this module type.

Article No.	Description	Colour	PU
473540	HD-DCS BO module, 12x LCD/PC, OM4	black	1 pc.
473544	HD-DCS BO module, 12x LCD/PC, OS2	black	1 pc.
473546	HD-DCS BO module, 12x LCD/APC, OS2	black	1 pc.

HD-DCS BO module, 24x LCD/PC or LCD/APC
OM4 or OS2, for HD-DCS modular panel

Accepts pre-assembled LC/LCD trunk cables.
Suitable for all high-density and high-performance applications with duplex signals,
particularly in the data centre environment.
Polycarbonate (PC) housing with press-fit cover (sealed).
Insertion into panel from the front or rear.
Rear side slot fitted with a cable grommet.
Front couplers with integrated, automatic transparent dust shutters.

A packing density of up to 192 fibres on 1U can be achieved with this module type.

Article No.	Description	Colour	PU
473541	HD-DCS BO module, 24x LCD/PC, OM4	black	1 pc.
473545	HD-DCS BO module, 24x LCD/PC, OS2	black	1 pc.
473547	HD-DCS BO module, 24x LCD/APC, OS2	black	1 pc.

HD-DCS BO module, 6x MPO
OM4 or OS2, for HD-DCS modular panel

Accepts pre-assembled MTP® trunk cables.
Suitable for all high-density and high-performance applications with parallel optic signals,
particularly in the data centre environment.
Polycarbonate (PC) housing with press-fit cover (sealed).
Insertion into panel from the front.
Rear side entry fitted with a rubber grommet.
Front couplers with translucent dust plugs.

A packing density of 864 fibres (MTP_{12}) on 1U can be achieved with this module type.

Article No.	Description	Colour	PU
473590	HD-DCS BO module, 6x MPO, OM4	black	1 pc.
473592	HD-DCS BO module, 6x MPO, OS2	black	1 pc.

HD-DCS BO module, 12x MPO
for HD-DCS modular panel, for OM4, OS2

Accepts pre-assembled MTP® trunk cables.
Suitable for all high-density and high-performance applications with parallel optic signals,
particularly in the data centre environment.
Polycarbonate (PC) housing with press-fit cover (sealed).
Insertion into panel from the front and back.
Two rear side entries fitted with rubber grommets.
Front couplers with translucent dust plugs.

A packing density of 576 fibres (MTP_{12}) on 1U can be achieved with this module type.

Article No.	Description	Colour	PU
473570	HD-DCS BO module, 12x MPO, OM4	black	1 pc.
473574	HD-DCS BO module, 12x MPO, OS2	black	1 pc.

HD-DCS BO module, 24x MPO
for HD-DCS modular panels, for OM4, OS2

Accepts pre-assembled MTP® trunk cables.
Suitable for all high-density and high-performance applications with parallel optic signals, particularly in the data centre environment.
Polycarbonate (PC) housing with press-fit cover (sealed).
Insertion into panel from the front and back.
Two rear side entries fitted with rubber grommets.
Front couplers with translucent dust plugs.

A packing density of 1,152 fibres (MTP$_{12}$) on 1U can be achieved with this module type.
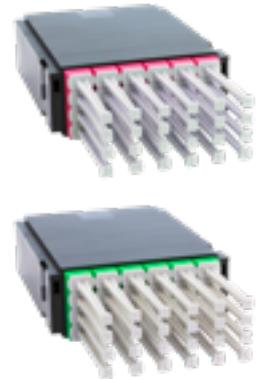
Article No.	Description	Colour	PU
473571	HD-DCS BO module, 24x MPO, OM4	black	1 pc.
473575	HD-DCS BO module, 24x MPO, OS2	black	1 pc.

ACCESSORIES

HD-DCS patch cable management set, 0U
4 management elements, detachable label plate

The patch cable management 0U comes in a set of 4 pieces.
Patch cables can be routed easely within the same rack unit of the modular panal.
No additional rack unit needed for patch cable routing.
An appropriate label plate including label cover is part of the set.
The label plate can be fold down during the patching process for additional space.

HD-DCS patch cable management set 0U includes the following preassembled parts:
- 4 cable guides
- 4 label plates
- 4 label plate covers
- 4 paper labels (preprinted)

Application example

Article No.	Description	Colour	PU
473620	HD-DCS patch cable management set, 0U	black	1 pc.

HD-DCS blind plates
for HD-DCS modular panel

Unused slots of the HD-DCS panel can be covered
by blind plates depending on panel version.
Blind plates for 6-port and 12/24-port module available.

Article No.	Description	Colour	PU
473023	HD-DCS blind plate, 1x6-port	black	1 pc.
473029	HD-DCS blind plate 12/24-port	black	1 pc.

HD-DCS cable fixation base
for HD-DCS modular panel

For mounting installation cables
on the cable tray of the HD-DCS panel.
Velcro tape provides the necessary hold.
The Velcro base is attached without tools by a 45° turn.

Article No.	Description	PU
473043	HD-DCS cable fixation base, 8-35 mm	10 pcs.
473042	HD-DCS cable fixation base, 4-20 mm	10 pcs.

HD-DCS snap-on fixation clip
for HD-DCS modular panel

Fixation clip for the storage of the installation cables.
Excessive cable lengths can thus be optimally routed and stored.
Easy mounting by sliding it into the HD-DCS cable tray.

Article No.	Description	Colour	PU
473040	HD-DCS snap-on fixation clip, 8 mm	black	1 pc.
473041	HD-DCS snap-on fixation clip, 14 mm	black	1 pc.

Cleaning tools

DCS connection, patch and fan-out cables

MEDIUM-DENSITY DATA CENTRE SOLUTION (MD-DCS)

Datwyler IT Infra's modular medium-density cabling solution is characterised by its port density and flexibility

For the cabling of server rooms and data centres, users have long relied on pre-assembled cabling systems. The MD-DCS supports the common modern connector interfaces SC, LC, and MPO in two different packing densities and can even be mixed within a single rack unit.

The MD-DCS is a variant in the Datwyler IT Infra family of data centre solutions. Its port density lies between that of the HD-DCS and FO-DCS, making it perfectly suited for small and medium-sized data centres and server rooms. Installation, maintenance and cable management are as simple and flexible as with the other two Datwyler solutions.

The Medium-Density Data Centre Solution (MD-DCS) is an optimal solution for medium performance require- ments, offering an ideal balance between port density, flexibility and ease of use. It features a modular design, tool-free installation and allows for the mixed configuration of different modules (SCD, LCD, MTP) within a single rack unit – even in combination with splice connections.

The MD-DCS is the smart choice if you want to combine performance, clarity and flexibility in a compact solution.

PATCH PANELS

MD-DCS splice panel, modular, extendable 19"/1U

to accept 4 MD-DCS snap-in modules

Steel housing with cable support plate and four splice cassettes. Allows for variable port densities and connector combinations of up to 48 LCD ports (96 fibres) or 24 SCD ports (48 fibres).

A mix with pre-terminated MTP® trunk cables is possible.

Article No.	Description	Colour (front plate)	Colour	PU
476123	MD-DCS splice panel 19" 1U, 96 fibres	black	black	1 pc.

MD-DCS splice panels, modular 19"/1U, 2U, 4U

to accept 4, 8 or 16 MD-DCS snap-in modules

Steel housing with cover, cable support plate and up to eight splice cassettes (2U and 4U).
Allows for variable port densities and connector combinations of up to 96 LCD ports (192 fibres) or 48 SCD ports (96 fibres).

A mix with pre-terminated MTP trunk cables is possible.

Article No.	Description	Colour (front plate)	Colour	PU
476119	MD-DCS splice panel 19" 1U, 48 fibres	black	black	1 pc.
476120	MD-DCS splice panel 19" 1U, 96 fibres	black	black	1 pc.
476121	MD-DCS splice panel 19" 2U, 192 fibres	black	black	1 pc.
476122	MD-DCS splice panel 19" 4U, 192 fibres	black	black	1 pc.

MD-DCS breakout panels, modular 19"/1U, 2U, 4U

to accept 4, 8 or 16 MD-DCS snap-in modules

Steel housing with cover and cable support plate(s).
Allows for variable port densities and connector combinations
beetween LCD, SCD and MTP.

Up to 48 LCD ports (96 fibres) or 24 MTP® ports
(288 fibres with mit MTP$_{12}$) per height unit (U).

Article No.	Description	Colour (front plate)	Colour	PU
476118	MD-DCS breakout panel 19" 1U, 4x 6/12 ports	black	black	1 pc.
476116	MD-DCS breakout panel 19" 2U, 8x 6/12 ports	black	black	1 pc.
476117	MD-DCS breakout panel 19" 4U, 16x 6/12 ports	black	black	1 pc.

CASSETTES

MD-DCS MTP modules, 1x MTP on 3x LCQ/PC or LCQ/APC
OM5, OM4 or OS2, for MD-DCS panels

These MD-DCS MTP® modules are suitable for all high-density and high-performance
applications with duplex signals, particularly in the data centre environment.
They find modular application in the slots of the 19" MD-DCS modular panels
in which they can be inserted from the front.
They are used to accept pre-assembled MTP trunk cables.
Packing densities of up to 48 fibres on 1U are achieved with these modules.
They are assembled to a very high quality and guarantee optimum values
for optical performance (IL/RL).

Polycarbonate (PC) housing with press-fit cover (sealed).
At the rear these MD-DCS modules have one MTP adapter
which is routed to the front adapters (3x LCQ)
with an internal module fanout.

Article No.	Description	Colour	PU
476138	MD-DCS MTP module, 1x MTP on 3x LCQ/PC, OM5	black	1 pc.
476100	MD-DCS MTP module, 1x MTP on 3x LCQ/PC, OM4	black	1 pc.
476101	MD-DCS MTP module, 1x MTP on 3x LCQ/PC, OS2	black	1 pc.
476102	MD-DCS MTP module, 1x MTP on 3x LCQ/APC, OS2	black	1 pc.

MD-DCS MTP modules, 2x MTP on 6x LCQ/PC or LCQ/APC
OM5, OM4, OM3 or OS2, for MD-DCS panels

These MD-DCS MTP® modules are suitable for all high-density and high-performance
applications with duplex signals, particularly in the data centre environment.
They find modular application in the slots of the 19" MD-DCS panels
in which they can be inserted from the front.
They are used to accept pre-assembled MTP trunk cables.
Packing densities of up to 96 fibres on 1U are achieved with these modules.
They are assembled to a very high quality and guarantee optimum values
for optical performance (IL/RL).

Polycarbonate (PC) housing with press-fit cover (sealed).
At the rear these MD-DCS modules have two MTP adapters
which are routed to the front adapters (6x LCQ)
with internal module fanouts.

Article No.	Description	Colour	PU
476139	MD-DCS MTP module, 2x MTP on 6x LCQ/PC, OM5	black	1 pc.
476103	MD-DCS MTP module, 2x MTP on 6x LCQ/PC, OM4	black	1 pc.
476148	MD-DCS MTP module, 2x MTP on 6x LCQ/PC, OM3	black	1 pc.
476104	MD-DCS MTP module, 2x MTP on 6x LCQ/PC, OS2	black	1 pc.
476105	MD-DCS MTP module, 2x MTP on 6x LCQ/APC, OS2	black	1 pc.

MD-DCS MTP module, 3x MTP on 6x LCQ/PC
OM4, BASE8, for MD-DCS panel, modular

These MD-DCS MTP® modules are suitable for all high-density and high-performance
applications with duplex signals, particularly in the data centre environment.
They find modular application in the slots of the 19" MD-DCS panels
in which they can be inserted from the front.
They are used to accept a pre-assembled MTP trunk cables.
Packing densities of up to 96 fibres on 1U are achieved with these modules.
They are assembled to a very high quality and guarantee optimum values
for optical performance (IL/RL).

Polycarbonate (PC) housing with press-fit cover (sealed).
At the rear these MD-DCS modules have three MTP adapters
which are routed to the front adapters (6x LCQ)
with internal module fanouts.

Article No.	Description	Colour	PU
476144	MD-DCS MTP module, 3x MTP on 6x LCQ/PC, OM4	black	1 pc.

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MD-DCS BO modules, 3x LCQ/PC or LCQ/APC
OM5, OM4 or OS2, for MD-DCS panels

These MD-DCS breakout modules are suitable for all high-density and high-performance
applications with duplex signals, particularly in the data centre environment.
They find modular application in the slots of the 19" MD-DCS panels
in which they can be inserted from the front.
They are used to accept pre-assembled LCD trunk cables.
Packing densities of up to 48 fibres on 1U are achieved with these modules.

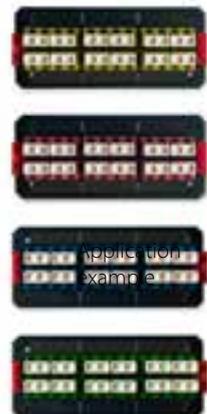Polycarbonate (PC) front plate with adapters.

Article No.	Description	Colour	PU
476140	MD-DCS BO module, 3x LCQ/PC, OM5	black	1 pc.
476107	MD-DCS BO module, 3x LCQ/PC, OM4	black	1 pc.
476106	MD-DCS BO module, 3x LCQ/PC, OS2	black	1 pc.
476135	MD-DCS BO module, 3x LCQ/APC, OS2	black	1 pc.

MD-DCS BO modules, 6x LCQ/PC or LCQ/APC
OM5, OM4 or OS2, for MD-DCS panels

These MD-DCS breakout modules are suitable for all high-density and high-performance
applications with duplex signals, particularly in the data centre environment.
They find modular application in the slots of the 19" MD-DCS panels
in which they can be inserted from the front.
They are used to accept pre-assembled LCD trunk cables.
Packing densities of up to 96 fibres on 1U are achieved with these modules.

Polycarbonate (PC) front plate with adapters.

Article No.	Description	Colour	PU
476141	MD-DCS BO module, 6x LCQ/PC, OM5	black	1 pc.
476109	MD-DCS BO module, 6x LCQ/PC, OM4	black	1 pc.
476108	MD-DCS BO module, 6x LCQ/PC, OS2	black	1 pc.
476136	MD-DCS BO module, 6x LCQ/APC, OS2	black	1 pc. .

MD-DCS BO module, 3x MTPD
for MD-DCS modular panels

These MD-DCS MTP® breakout modules are suitable for all high-density and high-performance
applications with duplex signals, particularly in the data centre environment.
They find modular application in the slots of the 19" MD-DCS panels
in which they can be inserted from the front.
They are used to accept pre-assembled MTP trunk cables.
Packing densities of up to 288 fibres on 1U are achieved with these modules.

Polycarbonate (PC) front plate with adapters.

Article No.	Description	Colour	PU
476110	MD-DCS BO module, 3x MTPD	black	1 pc.

MD-DCS BO module, 6x MTPD
for MD-DCS modular panels

These MD-DCS MTP® breakout modules are suitable for all high-density and high-performance
applications with duplex signals, particularly in the data centre environment.
They find modular application in the slots of the 19" MD-DCS panels
in which they can be inserted from the front.
They are used to accept pre-assembled MTP trunk cables.
Packing densities of up to 576 fibres on 1U are achieved with these modules.

Polycarbonate (PC) front plate with adapters.

Article No.	Description	Colour	PU
476137	MD-DCS BO module, 6x MTPD	black	1 pc.

MD-DCS BO module, 6x LSH-C/APC
for MD-DCS modular panels

These MD-DCS breakout modules are suitable for all high-density and high-performance
applications with duplex signals, particularly in the data centre environment.
They find modular application in the slots of the 19" MD-DCS panels
in which they can be inserted from the front.
They are used to accept pre-assembled LSH/APC trunk cables.
Packing densities of up to 48 fibres on 1U are achieved with these modules.

Polycarbonate (PC) front plate with adapters.

Article No.	Description	Colour	PU
476147	MD-DCS BO module, 6x LSH-C/APC	black	1 pc.

MTP® is a registered brand of US Conec.

MD-DCS BO modules, 3x SCD/PC or SCD/APC
OM4 or OS2, for HD-DCS modular panels

These MD-DCS breakout modules are suitable for all high-density and high-performance
applications with duplex signals, particularly in the data centre environment.
They find modular application in the slots of the 19" MD-DCS panels
in which they can be inserted from the front.
They are used to accept pre-assembled SC or SCD trunk cables.
Packing densities of up to 24 fibres on 1U are achieved with these modules.

Polycarbonate (PC) front plate with adapters.
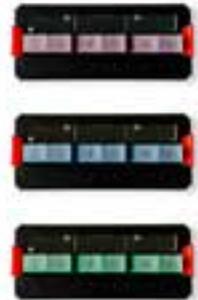
Article No.	Description	Colour	PU
476112	MD-DCS BO module, 3x SCD/PC, OM4	black	1 pc.
476111	MD-DCS BO module, 3x SCD/PC, OS2	black	1 pc.
476142	MD-DCS BO module, 3x SCD/APC, OS2	black	1 pc.

MD-DCS BO modules, 6x SCD/PC or SCD/APC
OM4 or OS2, for HD-DCS modular panels

These MD-DCS breakout modules are suitable for all high-density and high-performance
applications with duplex signals, particularly in the data centre environment.
They find modular application in the slots of the 19" MD-DCS panels
in which they can be inserted from the front.
They are used to accept pre-assembled SC or SCD trunk cables.
Packing densities of up to 48 fibres on 1U are achieved with these modules.

Polycarbonate (PC) front plate with adapters.

Article No.	Description	Colour	PU
476114	MD-DCS BO module, 6x SCD/PC, OM4	black	1 pc.
476113	MD-DCS BO module, 6x SCD/PC, OS2	black	1 pc.
476143	MD-DCS BO module, 6x SCD/APC, OS2	black	1 pc.

ACCESSORIES

MD-DCS cable management panel, 1U

MD-DCS cable management panel, 19"/1U, black,
with five elements (hooks) for patch cable routing.
Use of velcro cable ties is possible.
Depth: 67 mm.

For the proper routing of fibre optic patch cables in all 19" IT racks and cabinets.
Requires one height unit (U) in addition to MD-DCS splice and breakout panels.
Scope of delivery: 19"/1U panel (19" mounting brackets) with five cable management hooks,
screws and cage nuts.

Article No.	Description	Colour	PU
476125	MD-DCS cable management panel 1U	black	1 pc.

MD-DCS cable management panel, 2U

MD-DCS cable management panel, 19"/2U, black,
with four elements (hooks) for patch cable routing.
Use of velcro cable ties is possible.
Depth: 118.6 mm / 165.6 mm

For the proper routing of fibre optic patch cables in all 19" IT racks and cabinets.
Compatible with 2U and 4U MD-DCS splice and breakout panels. Requires no additional height unit (U).
Scope of delivery: Integrated cable manager with four cable management hooks
and cover plate.

Article No.	Description	Colour	PU
476126	MD-DCS cable management panel, 2U	black	1 pc.

MD-DCS blind plate
for MD-DCS panels

Blind plate for 6/12-port modules.
Unused slots of the MD-DCS panels can be covered by these blind plates.

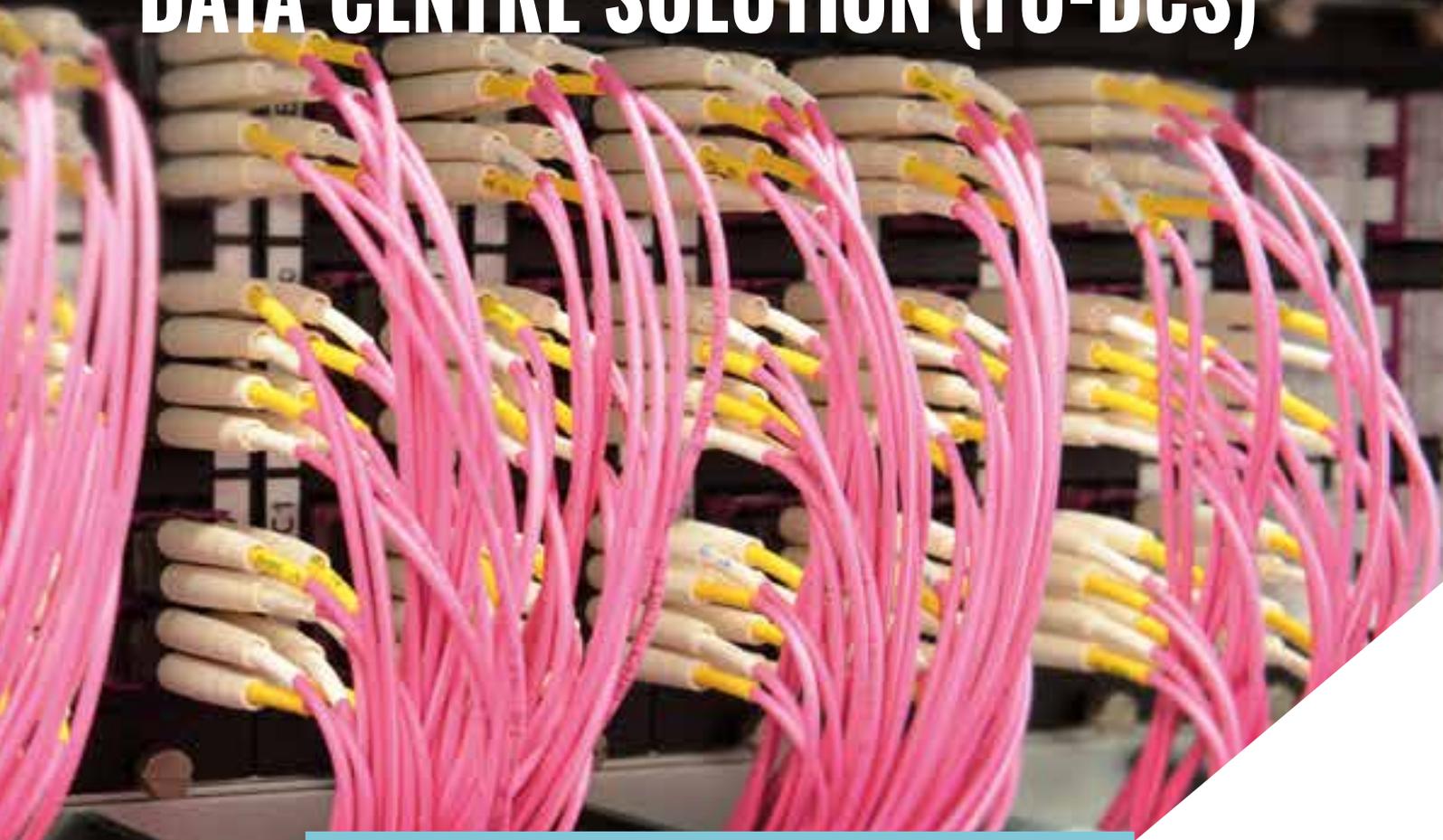| Article No.	Description	Colour	PU
476115	MD-DCS blind plate 6/12 port	black	1 pc.

Cleaning tools
see pagee 100

DCS connection, patch and fan-out cables
from page 101

FIBRE OPTIC DATA CENTRE SOLUTION (FO-DCS)

The future-proof cabling solution
for your data centre

In data centres, high-quality system solutions, especially those using fibre optic technology, form the backbone of high-speed data transmission. Ever-increasing transmission rates demand not only high-quality optical fibres but also place growing demands on the connection components. Both system components significantly influence the performance of the transmission channel.

A key requirement for cabling solutions in today's data centre environment is their flexibility. New systems must be planned, assembled and installed within a very short timeframe. Furthermore, new technologies, device generations and network designs continuously increase the demands on connection performance.

The Fibre Optic Data Centre Solution (FO-DCS) from Datwyler IT Infra exceeds all the requirements placed on modern, high-performance cabling solutions. Its high quality and the excellent performance of its connection hardware are particularly noteworthy.

FO-DCS - FIBRE OPTIC DATA CENTRE SOLUTION

FUTURE-PROOF CABLING SOLUTION

for data centres

Benefits of the Fibre Optic Data Centre Solution:
- Top quality guarantees top performance
- High packing densities hand in hand with good clear layout
- Fast and easy assembly (plug-and-go)
- Modifications/installations possible during ongoing operation, no need for outside companies (reduced OPEX)
- Preassembly: no in-situ stripping, splicing or connector termination work necessary
- Slimline cable design, so no disruption to cooling air flow and no redundant lengths of cable in rack
- Scalable thanks to modular design
- Investment protection and future viability as migratable to future applications
- High spare capacity due to extremely low optical losses
- Power budget protection thanks to bend-optimised fibres (multimode)

The most important system components:
- Preassembled fibre optic mini trunks
- Preassembled fibre optic plug-in modules (MTP, Breakout or Splice version)
- Fibre optic fanout cables (100G on 4x 25G, for example)
- Fibre optic patch cables (LCD and MTP)
- Modularly equipped 19-inch 1U panels and 3U/4U subracks
- Patch management trays and cable management accessories

These system components provide high-performance modular solutions for server room and data centre cabling tailored to customer requirements, the outstanding features of which are clear layout, flexibility, high packing density and good handling during operation.

Optical values of the Fibre Optic Data Centre Solution:

Criterion Connector type	Assembly Class IEC 61755-3-2	Insertion Loss IL [dB] mean	maximum	Return Loss RL [dB] mean	minimum
MTP Elite® 0° PC (multimode)	Grade B	0.15	0.3	≥ 40	≥ 35
MTP Elite 8° APC (single-mode)	Grade B	0.1	0.3	≥ 70	≥ 65
LCD Uniboot 0° PC (multimode)	Grade B	0.1	0.25	≥ 40	≥ 35
LCD Uniboot 8° APC (single-mode)	Grade B	0.1	0.25	≥ 75	≥ 65

FIBRE OPTIC CHANNEL CONFIGURATION OPTIONS

The high-performance carefully coordinated cables and components of the Fibre Optic Data Centre Solution can be combined as required and make it possible to implement an open infrastructure design decoupled from the user's equipment pool. The system also allows simple migration to future applications. The graphics below show some typical configurations. Please see our website for more.

Module-to-module configuration
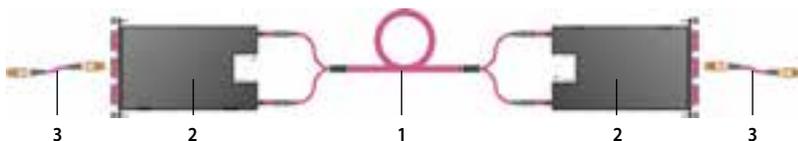
Two FO-DCS plug-in modules are interconnected by a thin mini breakout cable MTP-MTP.
For all known Duplex applications up to 25G Ethernet or up to 32G Fiber Channel.

Part	Level	Description	Remarks
1	High-performance	Mini breakout cable MTP-MTP, type A or type C	12, 24, 48, 72, 96 or 144 fibres
2	High-performance	Plug-in module, 3U/7HP, 24F, 2x MTP on 6x LCQ	24 fibres
3	High-performance	Patch cable LCD-LCD (Uniboot)	Polarity: A to A or A to B

These system components are available in multimode (OM3 or OM4) and single-mode (G.652.D) versions.

MTP® and MTP Elite® are registered brand names of US Conec.

Module-to-module configuration (without MTP)
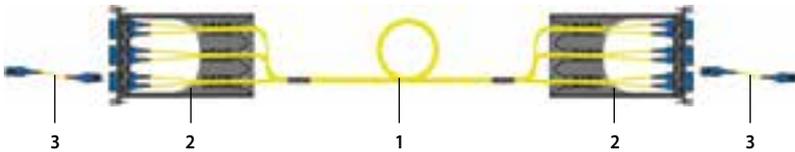
Two FO-DCS splice plug-in modules are interconnected by a thin FO Universal cable with LCD connectors.
For all known Duplex applications up to 25G Ethernet or 16G Fiber Channel.

Part	Level	Description	Remarks
1	High-performance	FO Universal cable U-DQ(ZN)BH (e.g. with LCD)	12, 24, 48, 72, 96 or 144 fibres
2	High-performance	Breakout plug-in module, 3U/7HP, 6x LCQ	Capacity: 24 fibres
3	High-performance	Patch cable LCD-LCD (Uniboot)	Polarity: A to A or A to B

These system components are available in multimode (OM3 or OM4) and single-mode (G.652.D) versions.

Module-to-fanout configuration

One FO-DCS plug-in module is connected to two FO-DCS fanout cables (MTP® on LCD Uniboot) by a thin FO-DCS mini breakout cable MTP-MTP for a direct link between the active ports (e.g. ports of a SAN switch). For all well-known Duplex applications such as 10G and 25G Ethernet or 16G and 32G Fiber Channel.

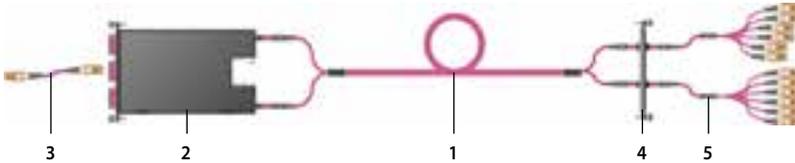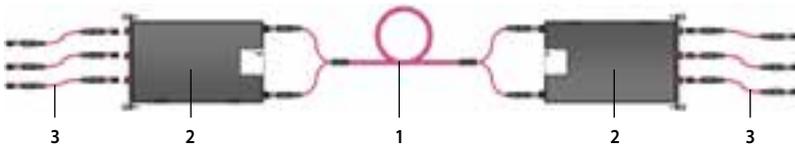| Part	Level	Description	Remarks
1	High-performance	Mini Breakout cable MTP-MTP, type A or type C	12, 24, 48, 72, 96 or 144 fibres
2	High-performance	Plug-in module, 3U/7HP, 24F, 2x MTP on 6x LCD	24 fibres
3	High-performance	Patch cable LCD-LCD (Uniboot)	Polarity: A to A or A to B
4		Front plate, 3U/7HP, 2x MTP adapter, type A	also available with 4x or 8x MTP adapter
5	High-performance	Fanout cable, 1x MTP on 6x LCD Uniboot	Polarity: type A or type C

These system components are available in multimode (OM3 or OM4) and single-mode (G.652.D) versions.

Converter plug-in module configuration

Two FO-DCS converter plug-in modules are interconnected by a FO-DCS mini breakout cable MTP-MTP.
For three 40G, NG100G, PSM4, PLR4 or 64GFC links.

Part	Level	Description	Remarks
1	High-performance	Mini Breakout cable MTP-MTP, type A or type C	12, 24, 48, 72, 96 or 144 fibres
2	High-performance	Converter plug-in module, 3U/7HP, 24F, 2x MTP on 3x MTP	24 fibres (2x 12 on 3x 8 fibres)
3	High-performance	Patch cable MTP-MTP	Polarity: type A, B or C, 12 fibres

These system components are available in multimode (OM4) and single-mode (G.652.D) versions.

Migration to 40G/100G (parallel optics)
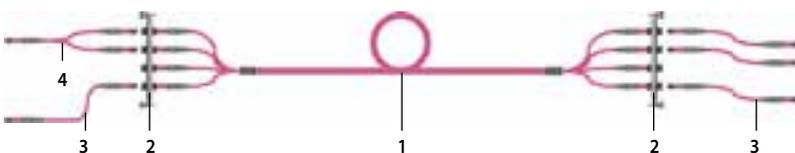
The FO-DCS plug-in modules in subracks are replaced by FO-DCS front plates with MTP adapters.
The high-performance FO-DCS mini-breakout cables MTP-MTP can continue to be used.

Part	Level	Description	Remarks
1	High-performance	Mini Breakout cable MTP-MTP type A or type C	12, 24, 48, 72, 96 or 144 fibres
2		Front plate 3U/7HP 4x MTP adapter, type A	also available with 2x or 8x MTP adapter
3	High-performance	Patch cable MTP-MTP	Polarity: type A, B or C, 12 fibres
4	High-performance	Y patch cable (1x MTP 24F on 2x MTP 12F)	Polarity: type A, B or C, 24 fibres

MTP® is registered brand name of US Conec.

SUBRACKS & PATCH PANELS

FO-DCS modular subracks, 19"

Pre-assembled with horizontal guide rails - can be modularly fitted.
Take a maximum of twelve 3U/7HP FO-DCS plug-in modules or front plates.
Capacity: up to 144 Duplex ports (288 fibres) or up to 144 MTP® ports (1728 fibres).
Any mixture of modules / front plates can be installed in the same subrack.
Extractable excess cable length tray (1U) - can be inserted on the fourth rack unit
in two ways, so that optionally the slots or holes can be used as cable entry openings.

Cable strain reliefs   Blank front panels

Article No.	Description	Material / Colour	PU
470642	FO-DCS modular subrack, 19"/4U, 84HP	Aluminium, black	1 pc.
470648	Strain relief for FO-DCS modular subrack 4U (depth: 48 mm)		1 pc.
470549	Strain relief for FO-DCS modular subrack 4U (depth: 80 mm)		1 pc.
470649	Strain relief for FO-DCS modular subrack 4U, with black brush strip (depth: 48 mm)		1 pc.
57159500ZY	FO-DCS blank partial front plate 3U/7HP	PC, black	1 pc.

FO-DCS modular panels, 19"

Take a maximum of three 3U/7HP FO-DCS plug-in modules or front plates.
Capacity: up to 36 Duplex ports (72 fibres) or up to 36 MTP ports (432 fibres).
Any mixture of modules / front plates can be installed in the same panel.

Article No.	Description	Material / Colour	PU
470643	FO-DCS modular panel, 19"/1U	Aluminium, black	1 pc.

FO-DCS compact breakout panels, 19"/1U

Pre-assembled with 12 or 24 LC Quad adapters.
Capacity: up to 24 or 48 Duplex ports (48 or 96 fibres).
Sturdy aluminium housing.

Article No.	Description	Material / Colour	PU
470618	FO-DCS compact breakout panel, 19"/1U, 12x LCQ, OM3 turquoise	Aluminium, anodised	1 pc.
470619	FO-DCS compact breakout panel, 19"/1U, 12x LCQ, OM4 heather violet	Aluminium, anodised	1 pc
470620	FO-DCS compact breakout panel, 19"/1U, 12x LCQ, OS2 blue	Aluminium, anodised	1 pc
470621	FO-DCS compact breakout panel, 19"/1U, 12x LCQ, OS2 green	Aluminium, anodised	1 pc
470622	FO-DCS compact breakout panel, 19"/1U, 24x LCQ, OM3 turquoise	Aluminium, anodised	1 pc
470623	FO-DCS compact breakout panel, 19"/1U, 24x LCQ, OM4 heather violet	Aluminium, anodised	1 pc
470624	FO-DCS compact breakout panel, 19"/1U, 24x LCQ, OS2 blue	Aluminium, anodised	1 pc
470625	FO-DCS compact breakout panel, 19"/1U, 24x LCQ, OS2 green	Aluminium, anodised	1 pc

Variants in Aluminium black available on request.

FO-DCS compact panels, 19"/1U, with MTP®-LCD pre-assembly

Pre-assembled with 4 or 8 MTP® couplers (Type A: key-up/key-down) at rear side, MTP-on-LC fanouts and 12 or 24 LC Quad adapters at front side.
Capacity: 24 or 48 Duplex ports (48 or 96 fibres).
Top-quality assembly ensures optimum values for optical performance.
Sturdy aluminium housing.

Article No.	Description	Material / Colour	PU
470610	FO-DCS compact panel, 19"/1U, 4x MTP on 24x LCD, OS2 blue	Aluminium, anodised	1 pc.
470611	FO-DCS compact panel, 19"/1U, 4x MTP on 24x LCD-APC, OS2 green	Aluminium, anodised	1 pc.
470612	FO-DCS compact panel, 19"/1U, 4x MTP on 24x LCD, OM3 turquoise	Aluminium, anodised	1 pc.
470613	FO-DCS compact panel, 19"/1U, 4x MTP on 24x LCD, OM4 heather violet	Aluminium, anodised	1 pc.
470614	FO-DCS compact panel, 19"/1U, 8x MTP on 48x LCD, OS2 blue	Aluminium, anodised	1 pc.
470615	FO-DCS compact panel, 19"/1U, 8x MTP on 48x LCD-APC, OS2 green	Aluminium, anodised	1 pc.
470616	FO-DCS compact panel, 19"/1U, 8x MTP on 48x LCD, OM3 turquoise	Aluminium, anodised	1 pc.
470617	FO-DCS compact panel, 19"/1U, 8x MTP on 48x LCD, OM4 heather violet	Aluminium, anodised	1 pc.

Variants in Aluminium black available on request.

MTP® is a registered brand name of US Conec.

FO-DCS management panels, 19"/1U

The FO-DCS management panels are used for the proper routing of fibre optic patch cables in all 19" IT racks and cabinets.
19"/1U FO-DCS management panel with 6 cable routing elements and hinged front plate.

Article No.	Description	Material / Colour	PU
47066800ZY	FO-DCS management panel, 19"/1U, left/right-side routing	Alu, black	1 pc.
47067700ZY	FO-DCS management panel, 19"/1U, left/right-side routing	Alu, grey	1 pc.

MTP® is registered brand name of US Conec.

CASSETTES AND FRONT PANELS

FO-DCS MTP® plug-in modules, 24F and 12F, 3U/7HP

Polycarbonate (PC) housing with press-fit side panels (sealed).
3U/7HP front panel, black PC,
provides 6x LCQ or 6x LCD or 6x LSH-C.
MTP couplers (rear side) are routed to the front couplers by way of an internal fanout.
Integrated fibre management.
PC front panels provide labelling strips on both sides.

Article No. with black PC front panel	Description	PU
57150000ZY	FO-DCS 3U/7HP plug-in module, 2x MTP on 6x LCQ, OM3	1 pc.
57150100ZY	FO-DCS 3U/7HP plug-in module, 2x MTP on 6x LCQ, OM4	1 pc.
57150200ZY	FO-DCS 3U/7HP plug-in module, 2x MTP on 6x LCQ/PC, OS2 (G.652.D)	1 pc.
57150300ZY	FO-DCS 3U/7HP plug-in module 2x MTP on 6x LCQ/APC, OS2 (G.652.D)	1 pc.
57150600ZY	FO-DCS 3U/7HP plug-in module, 1x MTP on 6x LCD, OM3	1 pc.
57150700ZY	FO-DCS 3U/7HP plug-in module, 1x MTP on 6x LCD, OM4	1 pc.
57150800ZY	FO-DCS 3U/7HP plug-in module, 1x MTP on 6x LCD/PC, OS2 (G.652.D)	1 pc.
57150900ZY	FO-DCS 3U/7HP plug-in module, 1x MTP on 6x LCD/APC, OS2 (G.652.D)	1 pc.
57150500ZY	FO-DCS 3U/7HP plug-in module, 1x MTP on 6x LSH-C/APC, OS2 (G.652.D)	1 pc.
571599	Labelling sheet A4, perforated (blank)	10 pcs.

MTP® is a registered brand name of US Conec.

FO-DCS breakout plug-in modules, 3U/7HP

Open polycarbonate (PC) housing.
3U/7HP front panel, black PC, with 6x LCQ, 6x LCD or 6x LSH-C,
optional: with 6x MTP® or 6x MTPD, type A.
Integrated radius limiters and retaining clips for pre-assembled fibre optic cables.
Two integrated labelling strips.

Article No. with 6x LCD	Article No. with 6x LCQ	Description	PU
57157600ZY	57157000ZY	FO-DCS BO plug-in module, 3U/7HP, 6x LCD or 6x LCQ, turquoise	1 pc.
57157700ZY	57157100ZY	FO-DCS BO plug-in module, 3U/7HP, 6x LCD or 6x LCQ, heather violet	1 pc.
57157800ZY	57157200ZY	FO-DCS BO plug-in module, 3U/7HP, 6x LCD or 6x LCQ, blue	1 pc.
57157900ZY	57157300ZY	FO-DCS BO plug-in module, 3U/7HP, 6x LCD or 6x LCQ, green	1 pc.
with 6x LSH-C			
57157500ZY		FO-DCS BO plug-in module, 3U/7HP, 6x LSH-C/APC, green	1 pc.
with 6x MTP	**with 6x MTPD**		
57159000ZY	57158000ZY	FO-DCS BO plug-in module, 3U/7HP, 6x MTP or 6x MTPD, turquoise	1 pc.
57159100ZY	57158100ZY	FO-DCS BO plug-in module, 3U/7HP, 6x MTP or 6x MTPD, heather violet	1 pc.
57159200ZY	57158200ZY	FO-DCS BO plug-in module, 3U/7HP, 6x MTP or 6x MTPD, black	1 pc.
57159300ZY	57158300ZY	FO-DCS BO plug-in module, 3U/7HP, 6x MTP or 6x MTPD, green	1 pc.
571599		Labelling sheet A4, perforated (blank)	10 pcs.

MTP® is a registered brand name of US Conec.

FO-DCS converter plug-in modules, 3U/7HP

Polycarbonate (PC) housing with press-fit side panels (sealed).
3U/7HP front plate, black PC, provides 3x MTP_8 Type A / 6x LCQ (speed converter).
2x MTP_{12} adapters (rear side).

Article No.	Description	PU
with black PC front panel		
571520	FO-DCS converter plug-in module, 3U/7HP, 2xMTP on 3x MTP, OM3	1 pc.
571521	FO-DCS converter plug-in module, 3U/7HP, 2xMTP on 3x MTP, OM4	1 pc.
571522	FO-DCS converter plug-in module, 3U/7HP, 2xMTP on 3x MTP, OS2	1 pc.
571540	FO-DCS speed converter plug-in module, 3U/7HP, 2x MTP on 6x LCQ, OM3	1 pc.
571541	FO-DCS speed converter plug-in module, 3U/7HP, 2x MTP on 6x LCQ, OM4	1 pc.
571542	FO-DCS speed converter plug-in module, 3U/7HP, 2x MTP on 6x LCQ/PC, OS2	1 pc.
571543	FO-DCS speed converter plug-in module, 3U/7HP, 2x MTP on 6x LCQ/APC, OS2	1 pc.

FO-DCS splice plug-in modules, 3U/7HP

Polycarbonate (PC) housing, press-fit side panels (sealed).
Black PC or aluminium 3U/7HP front panel with 6x LCQ or 6x LCD.
Ready-to-splice pigtails (1.3 m) are neatly inserted.
Cassette has splice reserve on both sides (cable/pigtail),
splice comb and strain relief.
Black PC front panels provide labelling strips.

There is a separate distribution box available for multi-fibre loose tube cables
or for storing the excess tube lengths (see our website for more information).

Article No.	Description	PU
with black PC front panel		
57153000ZY	FO-DCS 3U/7HP splice plug-in module, 6x LCQ, OM3	1 pc.
57153100ZY	FO-DCS 3U/7HP splice plug-in module, 6x LCQ, OM4	1 pc.
57153200ZY	FO-DCS 3U/7HP splice plug-in module, 6x LCQ/PC, OS2 (G.652.D)	1 pc.
57153300ZY	FO-DCS 3U/7HP splice plug-in module, 6x LCQ/APC, OS2 (G.652.D)	1 pc.
57153600ZY	FO-DCS 3U/7HP splice plug-in module, 6x LCD, OM3	1 pc.
57153700ZY	FO-DCS 3U/7HP splice plug-in module, 6x LCD, OM4	1 pc.
57153800ZY	FO-DCS 3U/7HP splice plug-in module, 6x LCD/PC, OS2 (G.652.D)	1 pc.
57153900ZY	FO-DCS 3U/7HP splice plug-in module, 6x LCD/APC, OS2 (G.652.D)	1 pc.
571599	Labelling sheet A4, perforated (blank)	10 pcs.

FO-DCS MTP® front panels, 3U/7HP

Polycarbonate (PC) front panel with 2, 4 or 8 MTP adapters (with dust caps).
Black PC front panels provide labelling strips on both sides.

Article No.	Description		PU
black PC			
57155000ZY	FO-DCS front panel, 2x MTP, 3U/7HP	2x MTP type A turquoise	1 pc.
57155100ZY	FO-DCS front panel, 2x MTP, 3U/7HP	2x MTP type A heather violet	1 pc.
57155200ZY	FO-DCS front panel, 2x MTP, 3U/7HP	2x MTP type A black	1 pc.
57155600ZY	FO-DCS front panel, 4x MTP, 3U/7HP	4x MTP type A turquoise	1 pc.
57155700ZY	FO-DCS front panel, 4x MTP, 3U/7HP	4x MTP type A heather violet	1 pc.
57155800ZY	FO-DCS front panel, 4x MTP, 3U/7HP	4x MTP type A black	1 pc.
57156000ZY	FO-DCS front panel, 8x MTP, 3U/7HP	8x MTP type A turquoise	1 pc.
57156100ZY	FO-DCS front panel, 8x MTP, 3U/7HP	8x MTP type A heather violet	1 pc.
57156200ZY	FO-DCS front panel, 8x MTP, 3U/7HP	8x MTP type A black	1 pc.
571599	Labelling sheet A4, perforated (blank)		10 pcs.

MTP® is a registered brand name of US Conec.

CU-DCS plug-in modules for 6 RJ45 Keystone modules

For the insertion of up to 6 RJ45 modules.
Delivery without modules.

Enables data transmission via copper and fibre optics in parallel in
- FO-DCS modular panel, 19"/1U
- FO-DCS modular subrack, 19"/4U

Suitable for the following modules:
- MS-K, MS-K Plus
- KS-T, KS-T Plus, KS-TC Plus
- KU-T, KU-T Plus, KU-TC Plus
- PS GG45

Plug-in module for
6 RJ45 Keystone modules

Article No.	Description	Material/colour	PU
440046	Plug-in module for 6x RJ45 module Keystone (without modules)	stainless steel, blank	1 pc.
440055	Plug-in module for 6x RJ45 module Keystone (without modules)	black	1 pc.

CLEANING TOOLS

The cleanliness of high-quality FO connectors is critical for satisfactory optical performance and long-term trouble-free transmission. Connectors that are dirty, worn or scratched due to improper use will have a negative effect on optical performance because Insertion Loss (IL) increases while Return Loss (RL) falls.

All FO-related cabling standards point out that professional cleaning tools are necessary to ensure successful acceptance tests and trouble-free patching.

For professional cleaning of FO connectors (e.g. MPO/MTP®) the equipment as featured in Datwyler IT Infra´s FO accessories portfolio is particularly suitable.
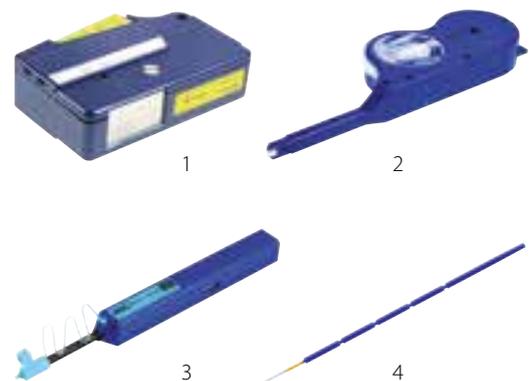
Article No.	Fig.	Description	Items cleaned / method	PU
1411400	1	Reel Cleaner	FO connector	1 pc.
1411401	-	Replacement reels for Reel Cleaner		6 pcs.
415627	2	FO connector cleaning device for MPO/MTP	FO connector and through adapter	1 pc.
415628	3	FO connector cleaning device for 2.5 mm	FO connector and through adapter	1 pc.
415629	-	FO connector cleaning device for 1.25 mm	FO connector and through adapter	1 pc.
1411404	4	Cleaning rod for 2.5 mm	Sleeve in connector	10 pcs.
1411405	-	Cleaning rod for 1.25 mm	Sleeve in connector	10 pcs.

MTP® is a registered brand name of US Conec.

INSTALLATION CABLES

DCS breakout cables, MTP
12-144 fibres, OM4, OM3 or OS2

Compact, metal-free cable construction
with FR/LSZH cable sheath and 12 to 144 fibres.
OM4, OM3 or OS2 versions with
Euroclass D_{ca} (C_{ca} or $B2_{ca}$ available on request).
Sticker labelling at both cable ends.
Project-specific length of individual cables ("legs"):
standard 0.55 m, max. 4.0 m.
Individual cables are assembled using MTP® connectors
with high-performance 12-fibre
Elite® ferrules (MTP_8/MTP_{24} available on request).
Standard connectivity methods: type A or C (other types available on request).
Cables fitted with protective sleeves at both ends.
The MTP connectors are equipped with push-pull boot.

Article No. type A	Article No. type C	Description	Fibre type	Cable sheath colour	PU
475000	475010	DCS breakout cable 1x MTP - 1x MTP	OM4	heather violet	by the metre
475001	475011	DCS breakout cable 2x MTP - 2x MTP	OM4	heather violet	by the metre
475002	475012	DCS breakout cable 4x MTP - 4x MTP	OM4	heather violet	by the metre
475004	475014	DCS breakout cable 8x MTP - 8x MTP	OM4	heather violet	by the metre
475005	475015	DCS breakout cable 12x MTP - 12x MTP	OM4	heather violet	by the metre
475060	475070	DCS breakout cable 1x MTP - 1x MTP	OM3	turquoise	by the metre
475061	475071	DCS breakout cable 2x MTP - 2x MTP	OM3	turquoise	by the metre
475062	475072	DCS breakout cable 4x MTP - 4x MTP	OM3	turquoise	by the metre
475064	475074	DCS breakout cable 8x MTP - 8x MTP	OM3	turquoise	by the metre
475065	475075	DCS breakout cable 12x MTP - 12x MTP	OM3	turquoise	by the metre
475040	475050	DCS breakout cable 1x MTP - 1x MTP	OS2	yellow	by the metre
475041	475051	DCS breakout cable 2x MTP - 2x MTP	OS2	yellow	by the metre
475042	475052	DCS breakout cable 4x MTP - 4x MTP	OS2	yellow	by the metre
475044	475054	DCS breakout cable 8x MTP - 8x MTP	OS2	yellow	by the metre
475045	475055	DCS breakout cable 12x MTP - 12x MTP	OS2	yellow	by the metre

MTP® and MTP Elite® are registered brands of US Conec.

DCS trunk cables, MTP
12-144 fibres, OM4, OM3 or OS2

Compact, metal-free cable construction
with FR/LS0H cable sheath and 12 to 144 fibres.
OM4, OM3 or OS2 versions with Euroclass D_{ca} are available
(Euroclass C_{ca} or $B2_{ca}$ version available on request).
Sticker labelling at both cable ends.
The length of individual cables ("legs") may be defined
on the basis of a specific project (standard 0.75 m).
Individual cables are assembled using MTP® connectors
with high-performance 12-fibre
Elite® ferrules (MTP_8/MTP_{24} available on request).
Standard polarities are A and C (other versions on request).
The cables are fitted at both ends with protective sleeves.
The MTP connectors are equipped with push-pull boot.

Article No. type A	Article No. type C	Description	Fibre type	Cable sheath colour	PU
474000	474010	DCS trunk cable 1x MTP - 1x MTP, 12F	OM4	heather violet	by the metre
474001	474011	DCS trunk cable 2x MTP - 2x MTP, 24F	OM4	heather violet	by the metre
474002	474012	DCS trunk cable 4x MTP - 4x MTP, 48F	OM4	heather violet	by the metre
474004	474014	DCS trunk cable 8x MTP - 8x MTP, 96F	OM4	heather violet	by the metre
474005	474015	DCS trunk cable 12x MTP - 12x MTP, 144F	OM4	heather violet	by the metre
474070	474080	DCS trunk cable 1x MTP - 1x MTP, 12F	OM3	turquoise	by the metre
474071	474081	DCS trunk cable 2x MTP - 2x MTP, 24F	OM3	turquoise	by the metre
474072	474082	DCS trunk cable 4x MTP - 4x MTP, 48F	OM3	turquoise	by the metre
474074	474084	DCS trunk cable 8x MTP - 8x MTP, 96F	OM3	turquoise	by the metre
474075	474085	DCS trunk cable 12x MTP - 12x MTP, 144F	OM3	turquoise	by the metre
474040	474050	DCS trunk cable 1x MTP - 1x MTP, 12F	OS2	yellow	by the metre
474041	474051	DCS trunk cable 2x MTP - 2x MTP, 24F	OS2	yellow	by the metre
474042	474052	DCS trunk cable 4x MTP - 4x MTP, 48F	OS2	yellow	by the metre
474044	474054	DCS trunk cable 8x MTP - 8x MTP, 96F	OS2	yellow	by the metre
474045	474055	DCS trunk cable 12x MTP - 12x MTP, 144F	OS2	yellow	by the metre

MTP® and MTP Elite® are registered brands of US Conec.

DCS Trunk cables, LCDU
12-96 fibres, OM4, OM3 or OS2

Compact, metal-free cable construction with FR/LS0H
cable sheath and 12 to 96 fibres.
OM4 versions with Euroclass D_{ca} are available
(Euroclass C_{ca} or $B2_{ca}$ version available on request).
Sticker labelling at both cable ends.
The length of individual cables ("legs") may be defined on the basis
of a specific project (standard: 0.75 m).
The leg separation is effected with a divider housing.
All individual cables are assembled using LCDU Intelli-Cross® Pro.
Standard polarities are A to A or A to B.
The cables are fitted at both ends with protective sleeves.
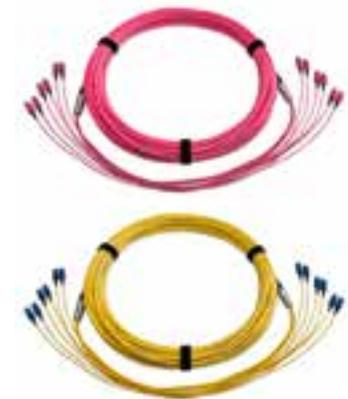
Article No. type A to A	Article No. type A to B	Description	Sheath colour	PU
47406000ZY	47409000ZY	DCS trunk cable 6x LCDU/PC - 6x LCDU/PC	heather violet	by the metre
47406200ZY	47409200ZY	DCS trunk cable 12x LCDU/PC - 12x LCDU/PC	heather violet	by the metre
47406400ZY	47409400ZY	DCS trunk cable24x LCDU/PC - 24x LCDU/PC	heather violet	by the metre
47406600ZY	47409600ZY	DCS trunk cable 48x LCDU/PC - 48x LCDU/PC	heather violet	by the metre
47406100ZY	47409100ZY	DCS trunk cable 6x LCDU/PC - 6x LCDU/PC	yellow	by the metre
47406300ZY	47409300ZY	DCS trunk cable 12x LCDU/PC - 12x LCDU/PC	yellow	by the metre
47406500ZY	47409500ZY	DCS trunk cable 24x LCDU/PC - 24x LCDU/PC	yellow	by the metre
47406700ZY	47409700ZY	DCS trunk cable 48x LCDU/PC - 48x LCDU/PC	yellow	by the metre

PATCH AND FANOUT CABLES

DCS fanout cables, MTP®-LCDU
8 fibres, OM4, OM3 or OS2
for splitting 100G into 4x 25G or 40G into 4x 10G

Thin, very flexible fibre-optic fanout cable (round cable, Ø 2.0 mm) with 8 fibres.
Low fire load due to its halogen-free flame-retardant LS0H sheath.
Available with 2.5 m standard length (other lengths on request).
Standard connectivity method can be type A or type C.
Sticker labelling at both cable ends.
Breakout seperation is effected with a thin divider housing.
The legs (Ø 2.0 mm) with LCD Uniboot (LCDU) plugs are numbered (1-4).
The legs can be ordered graded in length or of equal length.
Project-specific assemblies are available on request.
Suitable for all high-performance applications in the data centre environment.
Assembled to a very high quality which guarantees optimum values for optical performance (IL/RL).
The MTP connectors are equipped with push-pull boot.

For splitting all known multimode and single-mode QSFP applications like SR4, PSM4,
PLR4 and FCp in four Duplex channels; the connectivity separates a four-channel parallel optics link
in four Duplex links.

Article No. type A	Article No. type C	Description	Fibre type	Cable sheath colour	PU
473750	473755	DCS fanout cable 1x MTP - 4x LCDU, equal length	OM4	heather violet	1 pc.
473751	473756	DCS fanout cable 1x MTP - 4x LCDU, graduated length	OM4	heather violet	1 pc.
473780	473785	DCS fanout cable 1x MTP - 4x LCDU, equal length	OM3	turquoise	1 pc.
473781	473786	DCS fanout cable 1x MTP - 4x LCDU, graduated length	OM3	turquoise	1 pc.
473770	473775	DCS fanout cable 1x MTP - 4x LCDU, equal length	OS2	yellow	1 pc.
473771	473776	DCS fanout cable 1x MTP - 4x LCDU, graduated length	OS2	yellow	1 pc.

MTP® is a registered brand of US Conec.

DCS fanout cables, MTP®-LCDU
12 fibres, OM4, OM3 or OS2
for connecting active components

Thin, very flexible fibre-optic fanout cable (round cable, Ø 2.0 mm) with 12 fibres.
Low fire load due to its halogen-free flame-retardant LS0H sheath.
OM4 versions are available with 2.5 m standard length (other lengths on request).
Standard connectivity method can be type A or type C.
Sticker labelling at both cable ends.
Breakout seperation is effected with a thin divider housing.
The legs (Ø 2.0 mm) with LCD Uniboot (LCDU) plugs are numbered (1-6).
The legs can be ordered graded in length or of equal length.
Project-specific assemblies are available on request.
Assembled to a very high quality which guarantees optimum values
for optical performance (IL/RL).
The MTP connectors are equipped with push-pull boot.

The connection between six duplex ports and one parallel optic port enables quick
and space-saving cabling of active components such as routers, switches, servers and storage systems.

Article No. type A	Article No. type C	Description	Fibre type	Cable sheath colour	PU
473700	473705	DCS fanout cable 1x MTP - 6x LCDU, equal length	OM4	heather violet	1 pc.
473701	473706	DCS fanout cable 1x MTP - 6x LCDU, graduated length	OM4	heather violet	1 pc.
473730	473735	DCS fanout cable 1x MTP - 6x LCDU, equal length	OM3	turquoise	1 pc.
473731	473736	DCS fanout cable 1x MTP - 6x LCDU, graduated length	OM3	turquoise	1 pc.
473720	473725	DCS fanout cable 1x MTP - 6x LCDU, equal length	OS2	yellow	1 pc.
473721	473726	DCS fanout cable 1x MTP - 6x LCDU, graduated length	OS2	yellow	1 pc.

MTP® is a registered brand of US Conec.

DCS patch cords, LCDU
OM4, OM3 and OS2

Round Uniboot patch cables with Intelli-Cross mechanism for fast polarity change.
Compact cable design with FR/LSZH cable sheath (2.1 mm) and 2 fibres.
Available in lengths up to 10 m (other lengths on request).
Connectivity A to A or A to B.
Sticker labelling at both cable ends.
Suitable for all high-performance applications with duplex
signals in the data centre environment.
Preassembled with LCD Uniboot Intelli-Cross connectors
(high-performance) at both ends.
Assembled to a very high quality which guarantees
optimum values for optical performance (IL/RL).

| Description | Colour | Type | Length in m / Article No. | | | | | | | | | |
DCS patch cord, LCD/PC - LCD/PC	sheath		1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m
G50/125 OM4	heather violet	A to B	47340000ZY	47340100ZY	47340200ZY	47340300ZY	47340400ZY	47340500ZY	47340600ZY	47340700ZY	47340800ZY	47340900ZY
G50/125 OM4	heather violet	A to A	47342000ZY	47342100ZY	47342200ZY	47342300ZY	47342400ZY	47342500ZY	47342600ZY	47342700ZY	47342800ZY	47342900ZY
DCS patch cord, LCDU/PC - LCDU/PC												
G50/125 OM3	turquoise	A to B	47540000ZY	47540100ZY	47540200ZY	47540300ZY	47540400ZY	47540500ZY	47540600ZY	47540700ZY	47540800ZY	47540900ZY
G50/125 OM3	turquoise	A to A	47542000ZY	47542100ZY	47542200ZY	47542300ZY	47542400ZY	47542500ZY	47542600ZY	47542700ZY	47542800ZY	47542900ZY
DCS patch cord, LCD/PC - LCD/PC												
E9/125 G.652.D (BLO)	yellow	A to B	47330000ZY	47330100ZY	47330200ZY	47330300ZY	47330400ZY	47330500ZY	47330600ZY	47330700ZY	47330800ZY	47330900ZY
E9/125 G.652.D (BLO)	yellow	A to A	47332000ZY	47332100ZY	47332200ZY	47332300ZY	47332400ZY	47332500ZY	47332600ZY	47332700ZY	47332800ZY	47332900ZY
DCS patch cord, LCD/APC - LCD/APC												
E9/125 G.652.D (BLO)	yellow	A to B	47334000ZY	47334100ZY	47334200ZY	47334300ZY	47334400ZY	47334500ZY	47334600ZY	47334700ZY	47334800ZY	47334900ZY
E9/125 G.652.D (BLO)	yellow	A to A	47336000ZY	47336100ZY	47336200ZY	47336300ZY	47336400ZY	47336500ZY	47336600ZY	47336700ZY	47336800ZY	47336900ZY
DCS patch cord, LCD/PC - LCD/APC												
E9/125 G.652.D (BLO)	yellow	A to B	47338000ZY	47338100ZY	47338200ZY	47338300ZY	47338400ZY	-	-	-	-	-
E9/125 G.652.D (BLO)	yellow	A to A	47339000ZY	47339100ZY	47339200ZY	47339300ZY	47339400ZY	-	-	-	-	-

DCS patch cords, MTP®
OM4, OM3 or OS2

Thin, very flexible fibre-optic patch cable (round, Ø 2.0 mm) with 12 fibres.
Low fire load due to halogen-free flame-retardant LSZH sheath.
Available in lengths up to 5 m (other lengths on request).
Standard polarisation modes: A, B or C.
Sticker labelling at both cable ends.
Suitable for all high-performance applications with parallel optic signals in the data centre environment.
Pre-assembled with high-performance MTP connectors (female) at both ends.
Assembled to a very high quality which guarantees optimum values for optical performance (IL/RL).
The MTP connectors are equipped with push-pull boot.

Description	Colour	Connectivity	Length in m / Article No.				
DCS patch cord MTP - MTP	sheath		1 m	2 m	3 m	4 m	5 m
G50/125 OM4	heather violet	A	473200	473201	473202	473203	473204
G50/125 OM4	heather violet	B	473210	473211	473212	473213	473214
G50/125 OM4	heather violet	C	473220	473221	473222	473223	473224
G50/125 OM3	turquoise	A	475200	475201	475202	475203	475204
G50/125 OM3	turquoise	B	475210	475211	475212	475213	475214
G50/125 OM3	turquoise	C	475220	475221	475222	475223	475224
E9/125 G.652.D (BLO)	yellow	A	473260	473261	473262	473263	473264
E9/125 G.652.D (BLO)	yellow	B	473270	473271	473272	473273	473274
E9/125 G.652.D (BLO)	yellow	C	473280	473281	473282	473283	473284

MTP® is a registered brand of US Conec.

DCS patch cords, CS/PC - LCDU/PC
G50/125 OM4
High-performance

Patch cable with CS® and LCDU connector with
Intelli-Cross® mechanism for fast polarity change.
Compact cable design with FR/LS0H cable sheath (Ø 2.0 mm) and 2 fibres.
Available in standard lengths up to 5 m. Other lengths available on request.
Sticker labelling at both cable ends.
Each connector is equipped with push-pull tab.

The CS to LCDU patch cables are suitable for all high-performance
applications with duplex signals in the data centre environment.
The round patch cables are assembled with SC and
LCD Uniboot Intelli-Cross Pro connectors (high-performance).
The patch cables are assembled to a very high quality and
guarantee optimum values for optical performance (IL/RL).

Article No.	Product	Length	Polarity	Weight	PU
42302000ZY	DCS patch cord CS/PC - LCDU/PC	1 m	A to B	0.02 kg	1 pc.
42302100ZY	DCS patch cord CS/PC - LCDU/PC	2 m	A to B	0.03 kg	1 pc.
42302200ZY	DCS patch cord CS/PC - LCDU/PC	3 m	A to B	0.04 kg	1 pc.
42302300ZY	DCS patch cord CS/PC - LCDU/PC	4 m	A to B	0.06 kg	1 pc.
42302400ZY	DCS patch cord CS/PC - LCDU/PC	5 m	A to B	0.07 kg	1 pc.

CS® is a registered brand of Senko Advance Co., Ltd.

Intelli-Cross® is a registered trademark of Seikoh Giken Co., Ltd.

DCS patch cord, MDC/PC - LCDU/PC
E9/125 G.652.D BLO
High-performance

Duplex patch cable with MDC® and LCDU connector
with Intelli-Cross® mechanism for fast polarity change.
Compact cable design with FR/LS0H cable sheath (Ø 2.0 mm) and 2 fibres.
Available in standard lengths up to 5 m. Other lengths available on request.
Sticker labelling at both cable ends.
Each connector is equipped with push-pull tabs.

The MDC to LCDU patch cables are suitable for all high-performance
applications with duplex signals in the data center environment.
The round patch cables are assembled with MDC and
LCD Uniboot Intelli-Cross Pro connectors (high-performance).
The patch cables are assembled to a very high quality and
guarantee optimum values for optical performance (IL/RL).

Article No.	Product	Length	Polarity	Weight	PU
42301000ZY	DCS patch cord MDC/PC - LCDU/PC	1 m	A to B	0.02 kg	1 pc.
42301100ZY	DCS patch cord MDC/PC - LCDU/PC	2 m	A to B	0.03 kg	1 pc.
42301200ZY	DCS patch cord MDC/PC - LCDU/PC	3 m	A to B	0.04 kg	1 pc.
42301300ZY	DCS patch cord MDC/PC - LCDU/PC	4 m	A to B	0.06 kg	1 pc.
42301400ZY	DCS patch cord MDC/PC - LCDU/PC	5 m	A to B	0.07 kg	1 pc.

MDC® is a registered trademark of US Conec. Intelli-Cross® is a registered trademark of SEIKOH GIKEN Co., Ltd.

DCS patch cord, SN/PC - LCDU/PC
E9/125 G.652.D BLO
High-performance

Duplex patch cable with SN® and LCDU connector with Intelli-Cross®
mechanism for fast polarity change.
Compact cable design with FR/LS0H cable sheath (Ø 2.0 mm) and 2 fibres.
Available in standard lengths up to 5 m. Other lengths available on request.
Sticker labelling at both cable ends.
Each connector is equipped with push-pull tabs.

The SN to LCDU patch cables are suitable for all high-performance
applications with duplex signals in the data center environment.
The round patch cables are assembled with SN and
LCD Uniboot Intelli-Cross Pro connectors (high-performance).
The patch cables are assembled to a very high quality and guarantee
optimum values for optical performance (IL/RL).

Article No.	Product	Length	Polarity	Weight	PU
42299000ZY	DCS patch cord SN/PC - LCDU/PC	1 m	A to B	0.02 kg	1 pc.
42299100ZY	DCS patch cord SN/PC - LCDU/PC	2 m	A to B	0.03 kg	1 pc.
42299200ZY	DCS patch cord SN/PC - LCDU/PC	3 m	A to B	0.04 kg	1 pc.
42299300ZY	DCS patch cord SN/PC - LCDU/PC	4 m	A to B	0.06 kg	1 pc.
42299400ZY	DCS patch cord SN/PC - LCDU/PC	5 m	A to B	0.07 kg	1 pc.

SN® is a registered brand of Senko Advance Co.,Ltd.

Intelli-Cross® is a registered brand of Seikoh Giken Co., Ltd.

IT RACKS AND ACCESSORIES

Solutions for every requirement

A well-chosen rack or cabinet will not only look good, but will add security, increase the lifespan of your devices and also make it easier to maintain the equipment inside, so saving you money and time.

The Datwyler IT racks are as varied as the requirements of our customers. The range includes Standard and Premium racks as well as wall-mounted racks of various sizes, dimensions and configurations. The racks can be adapted to the intended configuration, the relevant cooling concepts, the cabling and/or your safety requirements.

Our wide range of rack accessories includes fans, lighting, earthing and equipotential bonding sets, PDUs, cable management kits, shelves, faceplates and individual doors to coordinate with the cabinets, as well as a lot more besides.

Type	Server Rack		Network Rack		Network Rack	Wall Mount Rack
	Standard	Premium	Standard	Premium	Standard Flex	Premium
Front door	perforated / two-piece perforated / with safety glass / two-piece with safety glass / sheet steel					with safety glass
Back door	perforated / two-piece perforated / sheet steel / two-piece sheet steel / sheet steel panel					sheet steel panel
Lock type	1 point / 3 point					1 point
Max. load capacity	800 kg	2000 kg	800 kg	2000 kg	800 kg	30 to 40 kg
Height	42U or 48U		21, 27, 42, 48U	27, 42, 48U	42U	6, 9, 12, 15 or 18U

Datwyler IT Infra offers a wide range of racks and cabinets. Below is a selection from our product range.
In order to find the ideal solution for your installation, please contact us. Our local sales office will be pleased to assist you.

SERVER RACKS

Server racks Premium DSRP
19"/42U and 47U
with perforated front door and rear door

Application
The DSRP racks are ideal for use in data centers and technical rooms,
where high load capacity and reliable cooling are required.
They offer a flexible and secure solution for housing servers,
storage components, and network devices.
Thanks to their robust construction and modular design,
the racks can be easily integrated into existing IT infrastructures.
They are also a good choice for industrial environments
to protect sensitive equipment from external influences.

Features

Sizes:	Height: 42U and 47U
	Width: 800 mm
	Depth: 800, 1000, 1200 mm
Base frame	Welded, galvanised sheet steel frame (2.0 mm, partially 1.5 mm)
Front door	One-piece, perforated sheet steel
Locking system front door	3-point
Rear door	one-piece, perforated sheet steel
Locking system rear door	3-point
Disassembled	no
Side panels	removable, horizontal divided, locks with universal key
Top panel	One-piece design, removable.Two lateral cable entries cable entries 88 mm wide, covered by brushes over the entire depth of the enclosure and a ventilation opening, suitable for the installation of fans, covered with sheet steel blind panels.
Bottom panel	open
Mounting profile	2 pairs of 19" vertical profiles, front / rear, stepless in depth adjustable from inside, with U label
Feet	Set of adjustable feet as standard
Earthing	pre-installed flat earthing kit
Protection class	IP00
Bayable	yes
Maximum load [KG]	2000 kg
Scope of delivery:	Comes with 28 mounting kits (screws, cage nuts, washers). Fully assembled and packed, including installation instructions.
Note:	These racks can achieve IP54 with the appropriate expansion and are stackable up to 108U. They are also available in heights of 27U and 52U.

Article No.	Description	Weight kg	Dimensions H x W x D	Colour
41965900ZY	Server rack Premium DSRP	122	42U, 2005 x 800 x 800 mm	black, RAL 9005
41966100ZY	Server rack Premium DSRP	122	42U, 2005 x 800 x 800 mm	light grey, RAL 7035
41966300ZY	Server rack Premium DSRP	137	42U, 2005 x 800 x 1000 mm	black, RAL 9005
41967100ZY	Server rack Premium DSRP	137	42U, 2005 x 800 x 1000 mm	light grey, RAL 7035
41966500ZY	Server rack Premium DSRP	152	42U, 2005 x 800 x 1200 mm	black, RAL 9005
41967300ZY	Server rack Premium DSRP	152	42U, 2005 x 800 x 1200 mm	light grey, RAL 7035
41966700ZY	Server rack Premium DSRP	144	47U, 2205 x 800 x 1000 mm	black, RAL 9005
41967500ZY	Server rack Premium DSRP	144	47U, 2205 x 800 x 1000 mm	light grey, RAL 7035
41966900ZY	Server rack Premium DSRP	160	47U, 2205 x 800 x 1200 mm	black, RAL 9005
41967700ZY	Server rack Premium DSRP	160	47U, 2205 x 800 x 1200 mm	light grey, RAL 7035

More versions available on request

SERVER RACKS

Server racks Premium DSRP
19"/42U and 47U

with perforated front door and split, perforated rear door

Application
The DSRP racks are the perfect choice for use in modern data centers, where high load capacity and flexible customization options are required. Critical IT infrastructure such as servers, storage components, and network devices can also be housed in high density.
Thanks to their modular design and the ability to adapt to specific requirements, these racks can be seamlessly integrated into a wide range of IT environments. In addition, they are optimally designed for use in technical and network rooms, where reliable cooling and precise cable management are essential. They also provide a robust and adaptable solution for protecting sensitive components in industrial environments.

Features

Sizes:	Height: 42U and 47U
	Width: 800 mm
	Depth: 800, 1000, 1200 mm
Base frame	Welded, galvanised sheet steel frame (2.0 mm, partially 1.5 mm)
Front door	One-piece, perforated sheet steel
Locking system front door	3-point
Rear door	vertical divided, perforated sheet steel
Locking system rear door	3-point
Disassembled	no
Side panels	removable, horizontal divided, locks with universal key
Top panel	One-piece design, removable.Two lateral cable entries cable entries 88 mm wide, covered by brushes over the entire depth of the enclosure and a ventilation opening, suitable for the installation of fans, covered with sheet steel blind panels.
Bottom panel	open
Mounting profile	2 pairs of 19" vertical profiles, front / rear, stepless in depth adjustable from inside, with U label
Feet	Set of adjustable feet as standard
Earthing	pre-installed flat earthing kit
Protection class	IP00
Bayable	yes
Maximum load [KG]	2000 kg
Scope of delivery:	Comes with 28 mounting kits (screws, cage nuts, washers).
	Fully assembled and packed, including installation instructions.
Note:	These racks can achieve IP54 with the appropriate expansion and are stackable up to 108U.
	They are also available in heights of 27U and 52U.

Article No.	Description	Weight kg	Dimensions H x W x D	Colour
41966000ZY	Server rack Premium DSRP	125	42U, 2005 x 800 x 800 mm	black, RAL 9005
41966200ZY	Server rack Premium DSRP	125	42U, 2005 x 800 x 800 mm	light grey, RAL 7035
41966400ZY	Server rack Premium DSRP	140	42U, 2005 x 800 x 1000 mm	black, RAL 9005
41967200ZY	Server rack Premium DSRP	140	42U, 2005 x 800 x 1000 mm	light grey, RAL 7035
41966600ZY	Server rack Premium DSRP	152	42U, 2005 x 800 x 1200 mm	black, RAL 9005
41967400ZY	Server rack Premium DSRP	152	42U, 2005 x 800 x 1200 mm	light grey, RAL 7035
41966800ZY	Server rack Premium DSRP	148	47U, 2205 x 800 x 1000 mm	black, RAL 9005
41967600ZY	Server rack Premium DSRP	148	47U, 2205 x 800 x 1000 mm	light grey, RAL 7035
41967000ZY	Server rack Premium DSRP	164	47U, 2205 x 800 x 1200 mm	black, RAL 9005
41967800ZY	Server rack Premium DSRP	164	47U, 2205 x 800 x 1200 mm	light grey, RAL 7035

More versions available on request

SERVER RACKS

Server racks Standard DSRS
19"/42U
with perforated front and rear doors

Application
The DSRS racks are ideal for use in technical rooms and
IT environments where reliable organization and cooling
of network and IT components are required.
They provide a practical and secure solution for housing servers,
storage, and network devices.
Thanks to their sturdy construction and flexible design, they can
be easily integrated into existing IT infrastructures.

Features

Sizes:	Height: 42U
	Width: 600, 800 mm
	Depth: 1000, 1200 mm
Base frame	Welded sheet steel frame (1.5 mm)
Front door	One-piece, perforated sheet steel
Locking system front door	1-point
Rear door	One-piece, perforated sheet steel
Locking system rear door	1-point
Disassembled	no
Side panels	removable, locks with universal key
Top panel	Standard cover plate (fixed) with knock-out openings: 4 x round cable entries Ø 100 mm, one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Bottom panel	Standard base plate (fixed) with knock-out openings: one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Mounting profile	2 pairs of 19" vertical profiles (front / rear), stepless depth adjustment from inside, with U label; rack offers 3 vertical 19"/2U positions per 19" extrusion
Feet	Set of adjustable feet as standard
Earthing	pre-installed flat earthing kit
Protection class	IP20
Bayable	yes
Maximum load [KG]	800 kg
Scope of delivery:	Comes with 28 mounting kits (screws, cage nuts, washers).

Article No.	Description	Weight kg	Dimensions H x W x D	Colour
19548300ZY	Server rack Standard DSRS	133	42U, 1978 x 800 x 1000 mm	light grey, RAL 7035
41965700ZY	Server rack Standard DSRS	143	42U, 1978 x 800 x 1200 mm	light grey, RAL 7035
195420	Server rack Standard DSRS	100	42U, 1978 x 600 x 1000 mm	black, RAL 9005
195424	Server rack Standard DSRS	108	42U, 1978 x 600 x 1200 mm	black, RAL 9005
195421	Server rack Standard DSRS	113	42U, 1978 x 800 x 1000 mm	black, RAL 9005
195425	Server rack Standard DSRS	131	42U, 1978 x 800 x 1200 mm	black, RAL 9005
195422	Server rack Standard DSRS	100	42U, 1978 x 600 x 1000 mm	light grey, RAL 7035
195426	Server rack Standard DSRS	108	42U, 1978 x 600 x 1200 mm	light grey, RAL 7035
195423	Server rack Standard DSRS	113	42U, 1978 x 800 x 1000 mm	light grey, RAL 7035
195427	Server rack Standard DSRS	131	42U, 1978 x 800 x 1200 mm	light grey, RAL 7035

More versions available on request

SERVER RACKS

Server racks Standard DSRS
19"/42U

with perforated front and rear doors

Application
The DSRS racks are ideal for use in technical rooms and
IT environments where reliable organization
and cooling of network and IT components are required.
They provide a practical and secure solution for housing servers,
storage, and network devices.
Thanks to their sturdy construction and flexible design,
they can be easily integrated into existing IT infrastructures.

Features

Sizes:	Height: 42U
	Width: 800 mm
	Depth: 800, 1000, 1200 mm
Base frame	Welded sheet steel frame (1.5 mm)
Front door	One-piece, perforated sheet steel
Locking system front door	1-point
Rear door	One-piece, perforated sheet steel
Locking system rear door	1-point
Disassembled	no
Side panels	removable, locks with universal key
Top panel	Standard cover plate (fixed) with knock-out openings: 4 x round cable entries Ø 100 mm, one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Bottom panel	Standard base plate (fixed) with knock-out openings: one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Mounting profile	2 pairs of 19" vertical profiles (front / rear), stepless depth adjustment from inside, with U label; rack offers 3 vertical 19"/2U positions per 19" extrusion
Feet	Set of adjustable feet as standard
Earthing	pre-installed flat earthing kit
Protection class	IP20
Bayable	yes
Maximum load [KG]	800 kg
Scope of delivery:	Comes with 28 mounting kits (screws, cage nuts, washers).

Article No.	Description	Weight kg	Dimensions H x W x D	Colour
41969100ZY	Server rack Standard DSRS	100	42U, 1978 x 800 x 800 mm	light grey, RAL 7035
19695100ZY	Server rack Standard DSRS	113	42U, 1978 x 800 x 1000 mm	light grey, RAL 7035
19696100ZY	Server rack Standard DSRS	113	42U, 1978 x 800 x 1000 mm	black, RAL 9005
19696600ZY	Server rack Standard DSRS	113	42U, 1978 x 800 x 1200 mm	black, RAL 9005

More versions available on request

SERVER RACKS

Server racks Standard DSRS
19"/42U

with divided, perforated front and rear doors

Application
The DSRS racks are ideal for use in technical rooms and
IT environments where reliable organization and cooling
of network and IT components are required.
They provide a practical and secure solution for housing servers,
storage, and network devices.
Thanks to their sturdy construction and flexible design,
they can be easily integrated into existing IT infrastructures.

Features

Sizes:	Height: 42U
	Width: 600, 800 mm
	Depth: 1000, 1200 mm
Base frame	Welded sheet steel frame (1.5 mm)
Front door	vertical divided, perforated sheet steel
Locking system front door	3-point
Rear door	vertical divided, perforated sheet steel
Locking system rear door	3-point
Disassembled	no
Side panels	removable, locks with universal key
Top panel	Standard cover plate (fixed) with knock-out openings: 4 x round cable entries Ø 100 mm, one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Bottom panel	Standard base plate (fixed) with knock-out openings: one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Mounting profile	2 pairs of 19" vertical profiles (front / rear), stepless depth adjustment from inside, with U label; rack offers 3 vertical 19"/2U positions per 19" extrusion
Feet	Set of adjustable feet as standard
Earthing	pre-installed flat earthing kit
Protection class	IP20
Bayable	yes
Maximum load [KG]	800 kg
Scope of delivery	Fully assembled and packaged, including installation instructions.

Article No.	Description	Weight kg	Dimensions HxWxD	Colour
19696200ZY	Server rack Standard DSRS	113	42U, 1978 x 800 x 1000 mm	light grey, RAL 7035
19695200ZY	Server rack Standard DSRS	113	42U, 1978 x 800 x 1000 mm	black, RAL 9005
19696700ZY	Server rack Standard DSRS	139	42U, 1978 x 600 x 1200 mm	light grey, RAL 7035
19695700ZY	Server rack Standard DSRS	139	42U, 1978 x 600 x 1200 mm	black, RAL 9005

More versions available on request

SERVER RACKS

Server racks Standard DSRS
19"/42U

with divided, perforated front and rear doors without sidewalls

Application
The DSRS racks are ideal for use in technical rooms and
IT environments where reliable organization and cooling
of network and IT components are required.
They provide a practical and secure solution for housing servers,
storage, and network devices.
Thanks to their sturdy construction and flexible design,
they can be easily integrated into existing IT infrastructures.

Features

Sizes:	Height: 42U
	Width: 600, 800 mm
	Depth: 1000, 1200 mm
Base frame	Welded sheet steel frame (1.5 mm)
Front door	vertical divided, perforated sheet steel
Locking system front door	3-point
Rear door	vertical divided, perforated sheet steel
Locking system rear door	3-point
Disassembled	no
Side panels	without
Top panel	Standard cover plate (fixed) with knock-out openings: 4 x round cable entries Ø 100 mm, one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Bottom panel	Standard base plate (fixed) with knock-out openings: one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Mounting profile	2 pairs of 19" vertical profiles (front / rear), stepless depth adjustment from inside, with U label; rack offers 3 vertical 19"/2U positions per 19" extrusion
Feet	Set of adjustable feet as standard
Earthing	pre-installed flat earthing kit
Protection class	IP00
Bayable	yes
Maximum load [KG]	800 kg
Scope of delivery:	Comes with 28 mounting kits (screws, cage nuts, washers).

Article No.	Description	Weight kg	Dimensions H x W x D	Colour
19695300ZY	Server rack Standard DSRS	88	42U, 1978 x 800 x 1000 mm	black, RAL 9005
41973700ZY	Server rack Standard DSRS	88	42U, 1978 x 800 x 1000 mm	light grey, RAL 7035
19695800ZY	Server rack Standard DSRS	139	42U, 1978 x 600 x 1200 mm	black, RAL 9005
19696800ZY	Server rack Standard DSRS	139	42U, 1978 x 600 x 1200 mm	light grey, RAL 7035

More versions available on request

SERVER RACKS

Server racks Standard DSRS
19"/42U and 48U

with vented front door and back door

Application

The DSRS racks are suitable for use in network rooms
and IT environments where reliable organization
of network devices and IT components is required.
Thanks to their modular design and security features,
they can be easily integrated into existing IT infrastructures.
The racks provide a practical solution for offices and small data centers,
ensuring the safe storage and protection of equipment.

Features

Sizes:	Height: 42U and 48U
	Width: 800 mm
	Depth: 800, 1000 mm
Base frame	Welded sheet steel frame (1.5 mm)
Front door	One-piece, perforated sheet steel
Locking system frontdoor	3-point
Rear door	One-piece, perforated sheet steel
Locking system reardoor	3-point
Disassembled	no
Side panels	removable, locks with universal key
Top panel	Standard cover plate (fixed) with knock-out openings: 4 x round cable entries Ø 100 mm, one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Bottom panel	Standard base plate (fixed) with knock-out openings: one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Mounting profile	2 pairs of 19" vertical profiles, front / rear, stepless in depth adjustable from inside, with U label
Feet	Set of adjustable feet as standard
Earthing	pre-installed flat earthing kit
Protection class	IP20
Bayable	yes
Maximum load [KG]	800 kg
Scope of delivery	Comes with 28 mounting kits (screws, cage nuts, washers). Fully assembled and packaged, including installation instructions.

Article No.	Description	Weight kg	Dimensions H x W x D	Colour
19696200ZY	Server rack Standard DSRS	100	42U, 1978 x 800 x 800 mm	black, RAL 9005
19695200ZY	Server rack Standard DSRS	110	48U, 2245 x 800 x 800 mm	black, RAL 9005
19696700ZY	Server rack Standard DSRS	140	42U, 1978 x 800 x 1000 mm	black, RAL 9005
19695700ZY	Server rack Standard DSRS	121	48U, 2245 x 800 x 1000 mm	black, RAL 9005

More versions available on request

SERVER RACKS

Server racks Standard DSRS
19"/42U and 48U

with vented front door and divided, vented back door

Application

The DSRS racks are suitable for use in network rooms
and IT environments where reliable organization of network
devices and IT components is required.
Thanks to their modular design and security features,
they can be easily integrated into existing IT infrastructures.
The racks provide a practical solution for offices and small data centers,
ensuring the safe storage and protection of equipment.

Features

Sizes:	Height: 42U and 48U
	Width: 800 mm
	Depth: 1000 mm
Base frame	Welded sheet steel frame (1.5 mm)
Front door	One-piece, perforated sheet steel
Locking system frontdoor	3-point
Rear door	vertical divided, perforated sheet steel
Locking system reardoor	3-point
Disassembled	no
Side panels	removable, locks with universal key
Top panel	Standard cover plate (fixed) with knock-out openings: 4 x round cable entries Ø 100 mm, one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Bottom panel	Standard base plate (fixed) with knock-out openings: one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Mounting profile	2 pairs of 19" vertical profiles, front / rear, stepless in depth adjustable from inside, with U label
Feet	Set of adjustable feet as standard
Earthing	pre-installed flat earthing kit
Protection class	IP20
Bayable	yes
Maximum load [KG]	800 kg

Article No.	Description	Weight kg	Dimensions H x W x D	Colour
41961100ZY	Server Rack Standard DSRS	112	42U, 1978 x 800 x 1000 mm	black, RAL 9005
41920600ZY	Server Rack Standard DSRS	121	48U, 2245 x 800 x 1000 mm	black, RAL 9005

More versions available on request

NETWORK RACKS

Network racks Premium DNRP
19"/42U and 47U

with glass front door & steel rear door

Application
The DNRP racks are ideal for use in data centers, technical rooms, and network rooms. They offer a solid and flexible solution for housing network devices and IT components.

Thanks to their robust construction and high load capacity, they are well-suited for environments where reliable cooling, accessibility, and efficient cable management are required.

Their modular design allows easy integration into existing IT infrastructures and adapts to the demands of modern technical environments.

Features

Sizes:	Height: 42U and 47U
	Width: 800 mm
	Depth: 800, 1000 mm
Base frame:	Welded, galvanised sheet steel frame (2.0 mm, partially 1.5 mm)
Front door:	One-piece, tinted safety glass
Locking system frontdoor:	3-point
Rear door:	one-piece, sheet steel
Locking system reardoor:	3-point
Disassembled:	no
Side panels:	removable, horizontal divided, locks with universal key
Top panel:	One-piece design, removable. Two lateral cable entries cable entries 88 mm wide, covered by brushes over the entire depth of the enclosure and a ventilation opening, suitable for the installation of fans, covered with sheet steel blind panels.
Bottom panel:	open
Mounting profile:	2 pairs of 19" vertical profiles, front / rear, stepless in depth adjustable from inside, with U label
Feet:	Set of adjustable feet as standard
Earthing:	pre-installed flat earthing kit
Protection class:	IP00
Bayable:	yes
Maximum load [KG]:	2000 kg
Scope of delivery:	Comes with 28 mounting kits (screws, cage nuts, washers). Fully assembled and packed, including installation instructions.
Optional accessories:	2-door sets, plinths, castors, rack baying kits, etc. (see from page 124 or visit datwyler-itinfra.com)

Article No.	Description	Weight kg	Dimensions H x W x D	Colour
41972700ZY	Network rack Premium DNRP	134	42U, 2000 x 800 x 800 mm	light grey, RAL 7035
41972800ZY	Network rack Premium DNRP	134	42U, 2000 x 800 x 800 mm	black, RAL 9005
41973100ZY	Network rack Premium DNRP	150	42U, 2000 x 800 x 1000 mm	light grey, RAL 7035
41973200ZY	Network rack Premium DNRP	150	42U, 2000 x 800 x 1000 mm	black, RAL 9005
41973500ZY	Network rack Premium DNRP	173	47U, 2205 x 800 x 800 mm	light grey, RAL 7035
41973600ZY	Network rack Premium DNRP	173	47U, 2205 x 800 x 800 mm	black, RAL 9005

More versions available on request

NETWORK RACKS

Network racks Premium DNRP
19"/42U and 47U

with glass front door & divided steel rear door

Application

The DNRP racks are ideal for use in data centers, technical rooms, and network rooms, where a robust and reliable solution for storing network devices is needed.

Thanks to their modular design and high load capacity, they offer flexible installation options for various IT components. These racks are particularly suitable for environments where reliable cooling, accessibility, and efficient cable management are crucial. They can be seamlessly integrated into different IT environments and provide a solid foundation for protecting sensitive hardware due to their construction.

Features

Sizes:	Height: 42U and 47U
	Width: 800 mm
	Depth: 800, 1000 mm
Base frame:	Welded, galvanised sheet steel frame (2.0 mm, partially 1.5 mm)
Front door:	One-piece, tinted safety glass
Locking system frontdoor:	3-point
Rear door:	vertical divided, sheet steel
Locking system reardoor:	3-point
Disassembled:	no
Side panels:	removable, horizontal divided, locks with universal key
Top panel:	One-piece design, removable.Two lateral cable entries cable entries 88 mm wide, covered by brushes over the entire depth of the enclosure and a ventilation opening, suitable for the installation of fans, covered with sheet steel blind panels.
Bottom panel:	open
Mounting profile:	2 pairs of 19" vertical profiles, front / rear, stepless in depth adjustable from inside, with U label
Feet:	Set of adjustable feet as standard
Earthing:	pre-installed flat earthing kit
Protection class:	IP00
Bayable:	yes
Maximum load [KG]:	2000 kg
Scope of delivery:	Comes with 28 mounting kits (screws, cage nuts, washers). Fully assembled and packed, including installation instructions.
Optional accessories:	2-door sets, plinths, castors, rack baying kits, etc. (see from page 124 or visit datwyler-itinfra.com))

Article No.	Description	Weight kg	Dimensions H x W x D	Colour
41972900ZY	Network rack Premium DNRP	136	42U, 2005 x 800 x 800 mm	light grey, RAL 7035
41973000ZY	Network rack Premium DNRP	136	42U, 2005 x 800 x 800 mm	black, RAL 9005
41973300ZY	Network rack Premium DNRP	152	42U, 2005 x 800 x 1000 mm	light grey, RAL 7035
41973400ZY	Network rack Premium DNRP	152	42U, 2005 x 800 x 1000 mm	black, RAL 9005

More versions available on request

NETWORK RACKS

Network racks Flex DNRF
19"/42U

with glass front door and divided rear door

Application
The Flex DNRF racks are ideal for use in network rooms and
IT environments where reliable organization of network
devices and IT components is required.
Thanks to their modular design and flexible assembly options,
they can be easily used even in confined spaces and seamlessly
integrated into existing IT infrastructures.
With their sturdy construction and divided steel rear doors,
they provide a practical solution for offices and smaller
data centers for the safe storage and protection of equipment.

Features

Sizes:	Height: 42U
	Width: 800 mm
	Depth: 800, 1000 mm
Base frame:	made of sheet steel, fully dismounted
Front door:	One-piece, tinted safety glass
Locking system frontdoor:	1-point
Rear door:	vertical divided, sheet steel
Locking system reardoor:	3-point
Disassembled:	yes
Side panels:	removable, locks with universal key
Top panel:	Standard cover plate (fixed) with knock-out openings: 4 x round cable entries Ø 100 mm, one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Bottom panel:	Standard base plate (fixed) with knock-out openings: one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Mounting profile:	2 pairs of 19" vertical profiles, front / rear, stepless in depth adjustable from inside, with U label
Feet:	Set of adjustable feet as standard
Earthing:	pre-installed flat earthing kit
Protection class:	IP30
Bayable:	no
Maximum load [KG]:	800 kg
Scope of delivery:	Comes with 28 mounting kits (screws, cage nuts, washers). Fully assembled and packed, including installation instructions.
Optional accessories:	2-door sets, plinths, castors, rack baying kits, etc. (see from page 124 or visit datwyler-itinfra.com)

Article No.	Description	Weight kg	Dimensions HxWxD	Colour
19699400ZY	Network rack Flex DNRF	112	42U, 2000 x 800 x 800 mm	light grey, RAL 7035
19699500ZY	Network rack Flex DNRF	126	42U, 2000 x 800 x 1000 mm	light grey, RAL 7035

More versions available on request

NETWORK RACKS

Network racks Flex DNRF
19"/42HE

with glass front door and rearpanel

Application

The Flex DNRF racks are ideal for use in network rooms and IT environments where reliable organization of network devices and IT components is required.

Thanks to their modular design and flexible assembly options, they can be easily used even in confined spaces and seamlessly integrated into existing IT infrastructures.

With their sturdy construction and divided steel rear doors, they provide a practical solution for offices and smaller data centers for the safe storage and protection of equipment.

Features

Sizes:	Height: 42U
	Width: 800 mm
	Depth: 800, 1000 mm
Base frame:	made of sheet steel, fully dismounted
Front door:	One-piece, tinted safety glass
Locking system frontdoor:	1-point
Rear door:	sheet steel panel, removable
Locking system reardoor:	1-point
Disassembled:	yes
Side panels:	removable, locks with universal key
Top panel:	Standard cover plate (fixed) with knock-out openings: 4 x round cable entries Ø 100 mm, one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Bottom panel:	Standard base plate (fixed) with knock-out openings: one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Mounting profile:	2 pairs of 19" vertical profiles, front / rear, stepless in depth adjustable from inside, with U label
Feet:	Set of adjustable feet as standard
Earthing:	pre-installed flat earthing kit
Protection class:	IP30
Bayable:	no
Maximum load [KG]:	800 kg
Scope of delivery:	Comes with 28 mounting kits (screws, cage nuts, washers). Fully assembled and packed, including installation instructions.
Optional accessories:	2-door sets, plinths, castors, rack baying kits, etc. (see from page 124 or visit datwyler-itinfra.com)

Article No.	Description	Weight kg	Dimensions H x W x D	Colour
19546300ZY	Network rack Flex DNRF	110	42U, 2000 x 800 x 800 mm	light grey, RAL 7035
195490	Network rack Flex DNRF	133	42U, 2000 x 800 x 1000 mm	light grey, RAL 7035

More versions available on request

NETWORK RACKS

Network racks Standard DNRS
19"/ 21U, 27U, 42U and 48U

with glass front door, steel back panel

Application

The Standard DNRS racks are suitable for use in network rooms and IT environments where reliable organization of network devices and IT components is required. Thanks to their modular design and security features, they can be easily integrated into existing IT infrastructures. The racks provide a practical solution for offices and small data centers, ensuring the safe storage and protection of equipment.

Features

Sizes:	Height: 21U, 27U, 42U and 48U
	Width: 800 mm
	Depth: 800, 1000, 1200 mm
Base frame:	Welded sheet steel frame (1.5 mm)
Front door:	One-piece, tinted safety glass
Locking system frontdoor:	1-point
Rear door:	sheet steel panel, removable
Locking system reardoor:	1-point
Disassembled:	no
Side panels:	removable, locks with universal key
Top panel:	Standard cover plate (fixed) with knock-out openings: 4 x round cable entries Ø 100 mm, one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Bottom panel:	Standard base plate (fixed) with knock-out openings: one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Mounting profile:	2 pairs of 19" vertical profiles, front / rear, stepless in depth adjustable from inside, with U label
Feet:	Set of adjustable feet as standard
Earthing:	pre-installed flat earthing kit
Protection class:	IP30
Bayable:	yes
Maximum load [KG]:	800 kg
Scope of delivery:	Fully assembled and packed, including installation instructions
	Comes with pre-installed flat earthing kit and 28 pcs. mounting kits (screws, cage nuts, washers)
Optional accessories:	Plinths, fan ventilation units, castors, rack baying kits, etc.
	(see from page 124 or visit datwyler-itinfra.com)

Article No.	Description	Weight kg	Dimensions H x W x D	Colour
195454	Network rack Standard DNRS	115	42U, 1978 x 800 x 1000 mm	black, RAL 9005
195452	Network rack Standard DNRS	115	42U, 1978 x 800 x 1000 mm	light grey, RAL 7035
195453	Network rack Standard DNRS	158	42U, 1978 x 800 x 1200 mm	light grey, RAL 7035
195430	Network rack Standard DNRS	83	42U, 1978 x 600 x 600 mm	black, RAL 9005
195439	Network rack Standard DNRS	83	42U, 1978 x 600 x 600 mm	light grey, RAL 7035
19547001ZY	Network rack Standard DNRS	84	42U, 1978 x 800 x 600 mm	light grey, RAL 7035
195428	Network rack Standard DNRS	94	42U, 1978 x 600 x 800 mm	black, RAL 9005
195437	Network rack Standard DNRS	94	42U, 1978 x 600 x 800 mm	light grey, RAL 7035
195429	Network rack Standard DNRS	116	42U, 1978 x 800 x 800 mm	black, RAL 9005
195438	Network rack Standard DNRS	116	42U, 1978 x 800 x 800 mm	light grey, RAL 7035
41906800ZY	Network rack Standard DNRS	129	48U, 2245 x 800 x 1000 mm	light grey, RAL 7035
41906900ZY	Network rack Standard DNRS	129	48U, 2245 x 800 x 1000 mm	black, RAL 9005
195435	Network rack Standard DNRS	98	48U, 2245 x 600 x 800 mm	black, RAL 9005
195450	Network rack Standard DNRS	98	48U, 2245 x 600 x 800 mm	light grey, RAL 7035
195436	Network rack Standard DNRS	114	48U, 2245 x 800 x 800 mm	black, RAL 9005
195451	Network rack Standard DNRS	114	48U, 2245 x 800 x 800 mm	light grey, RAL 7035

More versions available on request

NETWORK RACKS

Network racks Standard DNRS
19"/42U

with glass front door and divided rear door

Application

The Standard DNRS racks are suitable for use in network rooms and IT environments where reliable organization of network devices and IT components is required.
Thanks to their modular design and security features, they can be easily integrated into existing IT infrastructures.
The racks provide a practical solution for offices and small data centers, ensuring the safe storage and protection of equipment.

Features

Sizes:	Height: 42U
	Width: 800 mm
	Depth: 800, 1000 mm
Base frame:	Welded sheet steel frame (1.5 mm)
Front door:	One-piece, tinted safety glass
Locking system frontdoor:	1-point
Rear door:	vertical divided, sheet steel
Locking system reardoor:	3-point
Disassembled:	no
Side panels:	removable, locks with universal key
Top panel:	Standard cover plate (fixed) with knock-out openings: 4 x round cable entries Ø 100 mm, one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Bottom panel:	Standard base plate (fixed) with knock-out openings: one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Mounting profile:	2 pairs of 19" vertical profiles, front / rear, stepless in depth adjustable from inside, with U label
Feet:	Set of adjustable feet as standard
Earthing:	pre-installed flat earthing kit
Protection class:	IP30
Bayable:	yes
Maximum load [KG]:	800 kg
Scope of delivery:	Comes with 28 mounting kits (screws, cage nuts, washers). Fully assembled and packed, including installation instructions.
Optional accessories:	2-door sets, plinths, castors, rack baying kits, etc. (see from page 124 or visit datwyler-itinfra.com)

Article No.	Description	Weight kg	Dimensions H x W x D	Colour
41973800ZY	Network rack Standard DNRS	112	42U, 1978 x 800 x 800 mm	light grey, RAL 7035
19698400ZY	Network rack Standard DNRS	112	42U, 1978 x 800 x 800 mm	black, RAL 9005
19699000ZY	Network rack Standard DNRS	126	42U, 1978 x 800 x 1000 mm	light grey, RAL 7035

More versions available on request

NETWORK RACKS

Network racks Standard DNRS
19"/27U, 42U
with glass front door and rear door

Application
The Standard DNRS racks are suitable for use in network rooms and IT environments
where reliable organization of network devices and IT components is required.
Thanks to their modular design and security features,
they can be easily integrated into existing IT infrastructures.
The racks provide a practical solution for offices and small data centers,
ensuring the safe storage and protection of equipment.

Features

Sizes:	Height: 27U, 42U
	Width: 800 mm
	Depth: 800, 1200 mm
Base frame:	Welded sheet steel frame (1.5 mm)
Front door:	One-piece, tinted safety glass
Locking system frontdoor:	1-point
Rear door:	One-piece, sheet steel
Locking system reardoor:	1-point
Disassembled:	no
Side panels:	removable, locks with universal key
Top panel:	Standard cover plate (fixed) with knock-out openings: 4 x round cable entries Ø 100 mm, one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Bottom panel:	Standard base plate (fixed) with knock-out openings: one cable entry at the back (300 x 100 mm), one opening for the ventilation unit, and 2 x side cable entries (500 x 115 mm).
Mounting profile:	2 pairs of 19" vertical profiles, front / rear, stepless in depth adjustable from inside, with U label
Feet:	Set of adjustable feet as standard
Earthing:	pre-installed flat earthing kit
Protection class:	IP20
Bayable:	yes
Maximum load [KG]:	800 kg
Scope of delivery:	Comes with 28 mounting kits (screws, cage nuts, washers). Fully assembled and packaged, including installation instructions.

Article No.	Description	Weight kg	Dimensions H x W x D	Colour
41975600ZY	Network rack Standard DNRS	77	27U, 1311 x 800 x 800 mm	light grey, RAL 7035
41902000ZY	Network rack Standard DNRS	83	27U, 1311 x 800 x 1000 mm	black, RAL 9005
195400	Network rack Standard DNRS	116	42U, 1978 x 800 x 800 mm	light grey, RAL 7035
19697800ZY	Network rack Standard DNRS	116	42U, 1978 x 800 x 800 mm	black, RAL 9005
195401	Network rack Standard DNRS	120	42U, 1978 x 800 x 1000 mm	light grey, RAL 7035
19698000ZY	Network rack Standard DNRS	120	42U, 1978 x 800 x 1000 mm	black, RAL 9005
41914500ZY	Network rack Standard DNRS	138	42U, 1978 x 800 x 1200 mm	light grey, RAL 7035

WALL MOUNTED RACKS

Wall mounted racks Premium DWMR
19"/ 6U, 9U, 12U, 15U and 18U

Wall mounted rack Premium
DWMR, 9U, 600 x 500 mm

Application

The Premium DWMR wall mounted racks are designed to host
patch panels, active components and other data network equipment.
They offer an extended access level from all sides thanks to removable
(and lockable) side panels.

Features

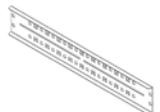|	
Sizes:	Height: 6U (358 mm), 9U (491 mm), 12U (624 mm), 15U (758 mm), 18U (891 mm)
	Width: 600 mm
	Depth (usable depth): 400 mm (380 mm), 500 mm (480 mm) and 600 mm (580 mm)
Construction:	Welded sheet steel frame (1.25 mm)
Load capacities:	40 kg (D: 500 mm), 30 kg (D: 600 mm)
IP rating:	IP30
Colours:	Black or light grey
Front door:	With tinted safety glass and round lock, universal key 333, up to 180° aperture angle, door can be hinged right or left (easy to change)
Rear panel:	Removable, with 150 × 56 mm knock-out panel and pre-punched holes for wall-mount installation (cabinet can also be installed without rear panel)
Standard configuration:	1 pair of adjustable 19-inch vertical profiles with U label, 2 removable side panels, each with universal lock, tinted safety glass door with universal round lock, pre-installed flat earthing kit, 16 pcs. mounting set: screws, cage nuts and washers
Delivery:	Fully assembled and packed, including 2 keys and drilling template
Optionally available:	1 additional pair of adjustable 19-inch profiles (rear), spare key, cable entry panel with brush (see from page 124 or visit datwyler-itinfra.com)

More configurations are available on request.

Article No.	Description	Weight kg	Dimensions H x W x D	Colour
19546100ZY	Wall mounted rack Premium DWMR-6-60/40	12.5	6U, 358 x 600 x 400 mm	light grey, RAL 7035
19546200ZY	Wall mounted rack Premium DWMR-6-60/50	16	6U, 358 x 600 x 500 mm	light grey, RAL 7035
195033	Wall mounted rack Premium DWMR-9-60/50	23	9U, 500 x 600 x 500 mm	light grey, RAL 7035
195099	Wall mounted rack Premium DWMR-9-60/50	23	9U, 500 x 600 x 500 mm	black, RAL 9005
195037	Wall mounted rack Premium DWMR-9-60/60	26	9U, 500 x 600 x 600 mm	light grey, RAL 7035
195103	Wall mounted rack Premium DWMR-9-60/60	26	9U, 500 x 600 x 600 mm	black, RAL 9005
195034	Wall mounted rack Premium DWMR-12-60/50	26	12U, 630 x 600 x 500 mm	light grey, RAL 7035
195100	Wall mounted rack Premium DWMR-12-60/50	26	12U, 630 x 600 x 500 mm	black, RAL 9005
195038	Wall mounted rack Premium DWMR-12-60/60	29	12U, 630 x 600 x 600 mm	light grey, RAL 7035
195104	Wall mounted rack Premium DWMR-12-60/60	29	12U, 630 x 600 x 600 mm	black, RAL 9005
195035	Wall mounted rack Premium DWMR-15-60/50	30	15U, 760 x 600 x 500 mm	light grey, RAL 7035
195101	Wall mounted rack Premium DWMR-15-60/50	30	15U, 760 x 600 x 500 mm	black, RAL 9005
195039	Wall mounted rack Premium DWMR-15-60/60	33	15U, 760 x 600 x 600 mm	light grey, RAL 7035
195105	Wall mounted rack Premium DWMR-15-60/60	33	15U, 760 x 600 x 600 mm	black, RAL 9005
195036	Wall mounted rack Premium DWMR-18-60/50	36	18U, 900 x 600 x 500 mm	light grey, RAL 7035
195102	Wall mounted rack Premium DWMR-18-60/50	36	18U, 900 x 600 x 500 mm	black, RAL 9005
195040	Wall mounted rack Premium DWMR-18-60/60	39	18U, 900 x 600 x 600 mm	light grey, RAL 7035
195106	Wall mounted rack Premium DWMR-18-60/60	39	18U, 900 x 600 x 600 mm	black, RAL 9005

ACCESSORIES: CABLE MANAGEMENT

Cable management	Article No.	Description	Colour	PU
		Horizontal cable management unit, **10 fingers, removeable cover, depth: 112 mm, with mounting kit**		
	195041	1U	black, RAL 9005	1
	195042	2U	black, RAL 9005	1
	195043	3U	black, RAL 9005	1
		Horizontal cable management holders		
	195204	depth = 600 mm	black, RAL 9005	1
	195205	depth = 800 mm	black, RAL 9005	1
		19" cable management panel, 5 plastic rings, 4 holes for cable entry		
	195220	1U, 40 x 50 mm rings	black, RAL 9005	1
	195097	1U, 40 x 80 mm rings	black, RAL 9005	1
	195098	2U, 80 x 60 mm rings	black, RAL 9005	1
	195221	2U, 80 x 80 mm rings	black, RAL 9005	1
	1411604	Management panel 19"/1U for 5 support brackets (delivery without brackets)	grey	1
	1407689	Management panel 19"/1U for 5 support brackets (delivery without brackets)	black, RAL 9005	1
	418200	Management panel 19"/1U for 5 support brackets (delivery without brackets)	stainless steel	1
	1411480	Support bracket, depth: 60 mm plastic	black, RAL 9005	1
	1411481	Support bracket, depth: 75 mm metal		1
	1411482	Support bracket, depth: 110 mm metal		1
	185735	Management panel, 19"/1U, with 4 metal brackets	grey	1
	185736	Management panel, 19"/2U, with 4 metal brackets	grey	1
		Cable bracket, metal, for vertical cable management		
	195139	side entry, zinc plated, 100 x 140 mm		10
	195140	front entry, zinc plated, 100 x 140 mm		10
	195141	front entry, zinc plated, 100 x 100 mm		10
		HD cable manager - vertical		
	195044	42U, 100 x 112 mm, with 41 fingers, high density	black, RAL 9005	1 set
		Vertical cable manager with plastic duct		
	195235	15U, 80 x 60 mm	black, RAL 9005	1
	195237	33U, 80 x 60 mm	black, RAL 9005	1
	195239	21U, 80 x 60 mm	black, RAL 9005	1
	195241	27U, 80 x 60 mm	black, RAL 9005	1
	195243	42U, 80 x 60 mm	black, RAL 9005	1
		Holder for vertical cable manager		
	195236	for 15U, 80 mm (Article No. 195235)	black, RAL 9005	2
	195238	for 33U, 80 mm (Article No. 195237)	black, RAL 9005	2
	195240	for 21U, 80 mm (Article No. 195239)	black, RAL 9005	2
	195242	for 27U, 80 mm (Article No. 195241)	black, RAL 9005	2
	195244	for 42U, 80 mm (Article No. 195243)	black, RAL 9005	2
	195313	C-rail, 1145 mm, with mounting material		1 set
	195309	C-rail, 945 mm, with mounting material		1 set
	195307	C-rail, 745 mm, with mounting material		1 set

ACCESSORIES: STRUCTURE

Plinths	Article No.	Description	Colour	PU
		Plinth front and rear panel set (corners are also covered)		
	19554000ZY	width: 300 mm	black, RAL 9005	1 set
	19554100ZY	width: 400 mm	black, RAL 9005	1 set
	19554200ZY	width: 600 mm	black, RAL 9005	1 set
	19554300ZY	width: 800 mm	black, RAL 9005	1 set
		Plinth side panel set (for completely closed plinth)		
	19554400ZY	width: 600 mm	black, RAL 9005	1 set
	19554500ZY	width: 800 mm	black, RAL 9005	1 set
	19554600ZY	width: 1000 mm	black, RAL 9005	1 set
	19554700ZY	width: 1200 mm	black, RAL 9005	1 set
		Plinth front and rear panel set (corners are also covered)		
	19554800ZY	width: 300 mm	light grey, RAL 7035	1 set
	19554900ZY	width: 400 mm	light grey, RAL 7035	1 set
	19555000ZY	width: 600 mm	light grey, RAL 7035	1 set
	19555100ZY	width: 800 mm	light grey, RAL 7035	1 set
		Plinth side panel set (for completely closed plinth)		
	19555200ZY	width: 600 mm	light grey, RAL 7035	1 set
	19555300ZY	width: 800 mm	light grey, RAL 7035	1 set
	19555400ZY	width: 1000 mm	light grey, RAL 7035	1 set
	19555500ZY	width: 1200 mm	light grey, RAL 7035	1 set
	19555600ZY	Filter set for plinth panels	black, RAL 9005	1 set
	19555700ZY	Filter set for plinth panels	light grey, RAL 7035	1 set
	19555800ZY	Adjustable feet set for plinth, 4 pcs.		1 set

Panels & plates	Article No.	Description	Suitable for	Colour / material	PU
	195060	Dust protection panel for 300 x 100 mm prepunched openings in racks, 2 brush layers		black, RAL 9005	1
		19" blank plate set for covering unused height units in the racks, sheet steel, screwable, without mounting kit (see article no. 401261)			
	401240	19" blank plate 1U		light grey, RAL 7035	1
	401241	19" blank plate 1U		black, RAL 9005	1
	401242	19" blank plate 1U		stainless steel	1
	401243	19" blank plate 2U		light grey, RAL 7035	1
	401244	19" blank plate 2U		black, RAL 9005	1
	401245	19" blank plate 2U		stainless steel	1

ACCESSORIES: STRUCTURE

Panels & plates	Article No.	Description	Colour	PU
		19" blank plate set for covering unused height units in the racks,		
		tool-less (with 1/4-turn fastener)		
	195184	1U	black, RAL 9005	5 pcs.
	195185	2U	black, RAL 9005	5 pcs.
	195186	3U	black, RAL 9005	5 pcs.
	195187	1U	light grey, RAL 7035	5 pcs.
	195188	2U	light grey, RAL 7035	5 pcs.
	195189	3U	light grey, RAL 7035	5 pcs.
	195230	19" vented panel, with brush, for front to rear cabling, minimises by-pass airflow in the rack; sheet steel, powder coated, screwable; delivery without mounting kit	black, RAL 9005	1

Shelves	Article No.	Description	Colour	PU
		19" shelves, 20 kg load capacity per shelf		
		quick fastening with two brackets		
	195148	1U, 250 mm depth	light grey, RAL 7035	1 pc.
	195161	1U, 350 mm depth	light grey, RAL 7035	1 pc.
	195162	1U, 450 mm depth	light grey, RAL 7035	1 pc.
	195163	1U, 550 mm depth	light grey, RAL 7035	1 pc.
	195164	1U, 650 mm depth	light grey, RAL 7035	1 pc.
	195165	1U, 750 mm depth	light grey, RAL 7035	1 pc.
	195147	1U, 250 mm depth	black, RAL 9005	1 pc.
	195082	1U, 350 mm depth	black, RAL 9005	1 pc.
	195083	1U, 450 mm depth	black, RAL 9005	1 pc.
	195084	1U, 550 mm depth	black, RAL 9005	1 pc.
	195085	1U, 650 mm depth	black, RAL 9005	1 pc.
	195086	1U, 750 mm depth	black, RAL 9005	1 pc.
		19" shelves, 60 kg load capacity per shelf		
	195166	2U, 450 mm depth	light grey, RAL 7035	1 pc.
	195167	2U, 550 mm depth	light grey, RAL 7035	1 pc.
	195168	2U, 650 mm depth	light grey, RAL 7035	1 pc.
	195087	2U, 450 mm depth	black, RAL 9005	1 pc.
	195088	2U, 550 mm depth	black, RAL 9005	1 pc.
	195089	2U, 650 mm depth	black, RAL 9005	1 pc.
		19" high load shelf set, 100 kg maximum load,		
		with 1 high load shelf, 4 mounting brackets, screws and nuts		
	195173	1U shelf, high load, 450 mm, mounting distance: 113 - 463 mm	black, RAL 9005	1 set
	195174	1U shelf, high load, 550 mm, mounting distance: 213 - 563 mm	black, RAL 9005	1 set
	195175	1U shelf, high load, 650 mm, mounting distance: 313 - 663 mm	black, RAL 9005	1 set
		19" telescopic high load shelf set, 80 kg maximum load,		
		completely assembled, with telescopic slides, without screws/nuts		
	195179	1U shelf, telescopic, high load, 450 mm, mounting distance: 296 - 507 mm, depth: 471 mm	black, RAL 9005	1 set
	195174	1U shelf, telescopic, high load, 550 mm, mounting distance: 406 - 607 mm, depth: 571 mm	black, RAL 9005	1 set
	195182	Support bracket for shelves - short, 88 mm (according to combination rack/shelf)		1 pair
	195183	Support bracket for shelves - long, 289 mm (according to combination rack/shelf)		1 pair
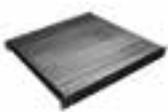
ACCESSORIES: STRUCTURE

Various	Article No.	Description		PU
	195090	Castor for free-standing racks, 1 pc., 50 kg load capacity		1 set
	195091	Swivel braked castor for free-standing racks, 1 pc., 50 kg load capacity		1 set
	195477	Castor for free-standing racks, 1 pc., 100 kg load capacity		1 set
	195478	Swivel braked castor for free-standing racks, 1 pc., 100 kg load capacity		1 set
	195093	Rack baying kit for baying 2 racks with side panels together		1 set
	401261	Mounting kit 50 Torx M6 screws, nuts and washers		1 set
	195481	Slide rails, nominal depth: 500 mm, distance between the 19" levels: 496 mm, depth: 442 mm, maximum load: 50 kg, including mounting material	black, RAL 9005	1 pair
	195469	Slide rails, nominal depth: 600 mm, distance between the 19" levels: 596 mm, depth: 542 mm, maximum load: 50 kg, including mounting material	black, RAL 9005	1 pair
	19550100ZY	Slide rails, nominal depth: 800 mm, distance between the 19" levels: 796 mm, depth: 742 mm, maximum load: 50 kg, including mounting material	black, RAL 9005	1 pair
	195418	Keyboard holder, folding, 19", 1U, for maximum keyboard size of 480 x 175 mm, the keyboard can be fixed with self-adhesive velcro tapes (included)	black, RAL 9005	1 pc.
	195190	Keyboard holder, telescopic, 19", 1U, depth: 480 mm, for a maximum keyboard width of 400 mm and height of 36 mm, including mounting bracket	black, RAL 9005	1 pc.
	195191	19"/3U drawer, 1.25 / 1.5 mm powder coated sheet steel, 430 mm total depth, 280 mm pull distance, 10 kg maximum load, comes with universal lock and 2 keys	black, RAL 9005	1 set
	195181	Documents pocket, A4, self-adhesive		1 pc.
	195329	Vertical grounding bar 15U, 5 clamps		1 pc.
	195330	Vertical grounding bar 18U, 5 clamps		1 pc.
	195331	Vertical grounding bar 21U, 5 clamps		1 pc.
	195332	Vertical grounding bar 27U, 5 clamps		1 pc.
	195333	Vertical grounding bar 33U, 5 clamps		1 pc.
	195297	Vertical grounding bar 42U, 5 clamps		1 pc.
	195334	Vertical grounding bar 45U, 5 clamps		1 pc.
	195359	Vertical grounding bar 48U, 5 clamps		1 pc.
	19538600ZY	Clamp for grounding bar		1 pc.
	195251	Grounding bar, 8 x 8 mm, 22 connection points, 40A, with mounting kit and grounding cable		1 pc.

ACCESSORIES: VENTILATION & LIGHTNING

Fan ventilation	Article No.	Description	Colour	PU
		19" 2-fan ventilation unit, 224 m³/h, 38W / 0.18A, AC 230V/50Hz including thermostat, 0-60 °C, and 1.8 m cord, Schuko to C13 (w/o installation frame)		
	195069		black, RAL 9005	1 pc.
	195075		light grey, RAL 7035	1 pc.
		Installation frame for 19" 2-fan ventilation unit, top and bottom installation, w/o filter		
	195070	for racks of 600, 800 and 1200 mm depth	black, RAL 9005	1 pc.
	195071	for racks of 1000 mm depth	black, RAL 9005	1 pc.
	195076	for racks of 600, 800 and 1200 mm depth	light grey, RAL 7035	1 pc.
	195077	for racks of 1000 mm depth	light grey, RAL 7035	1 pc.
		19" 4-fan ventilation unit, 448 m³/h, 76W / 0.36A, AC 230V/50Hz including thermostat, 0-60 °C, and 1.8 m cord, Schuko to C13 (w/o installation frame)		
	195072		black, RAL 9005	1 pc.
	195078		light grey, RAL 7035	1 pc.
		Installation frame for 19" 4-fan ventilation unit, top and bottom installation, w/o filter		
	195073	for racks of 600, 800 and 1200 mm depth	black, RAL 9005	1 pc.
	195074	for racks of 1000 mm depth	black, RAL 9005	1 pc.
	195079	for racks of 600, 800 and 1200 mm depth	light grey, RAL 7035	1 pc.
	195080	for racks of 1000 mm depth	light grey, RAL 7035	1 pc.
		Compact fan ventilation units for roof mounting		
	195131	2-fan ventilation unit, including thermostat, for rack depths 600 / 800 / 1200 mm	black, RAL 9005	1 set
	195132	2-fan ventilation unit, without thermostat, for rack depths 600 / 800 / 1200 mm	black, RAL 9005	1 set
	195133	2-fan ventilation unit, including thermostat, for racks depth 1000 mm	black, RAL 9005	1 set
	195134	2-fan ventilation unit, without thermostat, for racks depth 1000 mm	black, RAL 9005	1 set
	195135	4-fan ventilation unit, including thermostat, for rack depths 600 / 800 / 1200 mm	black, RAL 9005	1 set
	195136	4-fan ventilation unit, without thermostat, for rack depths 600 / 800 / 1200 mm	black, RAL 9005	1 set
	195137	4-fan ventilation unit, including thermostat, for rack depth 1000 mm	black, RAL 9005	1 set
	195138	4-fan ventilation unit, without thermostat, for racks depth 1000 mm	black, RAL 9005	1 set

Rack lighting	Article No.	Type	Dimensions	Voltage [V]	Colour	PU
	280504	LED, 19" 1U, 230V / 7.2W S DC 3m GR	448 x 54.5 x 26 mm	230 V AC	light grey, RAL 7035	1 pc.
	280505	LED, 19" 1U, 230V / 7.2W S DC 3m BK	448 x 54.5 x 26 mm	230 V AC	black, RAL 9005	1 pc.
		Designed for a variety of installation methods: tool-less, magnetic and/or with monting frame				
	280510	Mounting frame	448 x 42 x 5 mm		light grey, RAL 7035	1 pc.
	280511	Mounting frame	448 x 42 x 5 mm		black, RAL 9005	1 pc.
	280506	LED, 350 mm, 230V /11.5W S DC SK ALU	350 x 92 x 46 mm	230 V AC	aluminum	1 pc.
	280512	Connection cable 230V 3 m OR 3 x 1.52 mm	L = 3000 mm	230 V AC	orange	1 pc.
	280508	Door position contact 230V 1.5m AN BK, angled	95 x 63 x 24 mm	230 V AC	black, RAL 9005	1 pc.
	280509	Door position contact 230V 1.5m ST BK, straight	95 x 63 x 24 mm	230 V AC	black, RAL 9005	1 pc.

ACCESSORIES: PDU & RACK MONITORING SYSTEM

PDU	Article No.	Product	Sockets	Plug	Extra Functions	Connection cable	Colour	PU
	195081	PDU basic set, 19" 1U	9x SK	SK		2 m	black, RAL 9005	1 pc.
	195144	PDU basic set, 19" 1U	6x SK	SK	Switch and overvoltage protection	2 m	black, RAL 9005	1 pc.
	280020	PDU, 19" 1U, 8xSK-SK 2m S GR	8x SK	SK	Switch	2 m	light grey, RAL 7035	1 pc.
	280021	PDU, 19" 1U, 9xSK-SK 2m GR	9x SK	SK		2 m	light grey, RAL 7035	1 pc.
	280024	PDU, 19" 1U, 8xSK-SK 2m OV GR	8x SK	SK	Overvoltage protection	2 m	light grey, RAL 7035	1 pc.
	280033	PDU, 19" 1U, 7xSK-SK 2m OV S BK	7x SK	SK	Switch and overvoltage protection	2 m	black, RAL 9005	1 pc.
	280045	PDU, 19" 1U, 9xC13-SK 2m	9x C13	SK		2 m	light grey, RAL 7035	1 pc.

LONG-TERM SECURITY

Even the best matched systems can only show their optimal potential when the installation is optimised. With the increased technical demands of class E_A, class F and class F_A links, for example, the demands on the installer are constantly growing.

We train network installers in the Datwyler system solutions in order to be able to guarantee an optimal quality of installation. Our seminars provide participants with the knowledge of the right application for products, combinations and dependencies of different parameters in the cabling system, and the resulting high quality of installation in copper and fibre optic networking.

DATWYLER SYSTEM WARRANTY

Certified installers can offer a Datwyler warranty for the installed copper and fibre optic cabling systems: normally for 25 years, but this can be extended depending on project criteria.

An acceptance test for each link documents that all required electrical or optical values are maintained.

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. Native speaker as contact person
. Representatives in 70 countries
. Excellent market knowledge and
  understanding of market conditions
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And they are sure to feel "at home" with us if they are then given advice and support in their native language into the bargain.

Headquarters

Manufacturing plants

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and their distribution partners**

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