

# Mastering Fiber Optic Cable Management

With the innovative PATCHBOX

[sales@patchbox.com](mailto:sales@patchbox.com)

+43 1 99 71 960

[www.patchbox.com](http://www.patchbox.com)

# More than just Fiber Optic Cables

## High standards

Our Fiber Optic Cables are made with UL-certified ClearCurve fibers by Corning®. Our cables are RoHS-compliant and meet the requirements for various standards.

*"PATCHBOX helps us prevent cable clutter from happening in the first place. We installed so many racks and server cabinets, we wanted to get it right from the start."*

– hosttech Data Center CTO Manuel Kälin

## Wrap them around your finger

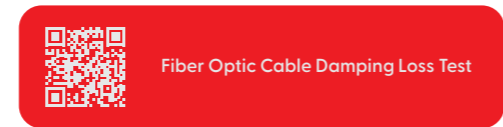
Our Fiber Optic Cables are the most bend-insensitive on the market. You can wrap them around a finger without breaking them.

## Plenty of options

Choose from OS2 Singlemode or OM4 Multimode Fiber Optic Cables and LC-LC or LC-SC connector types. Other connectors are available on request.

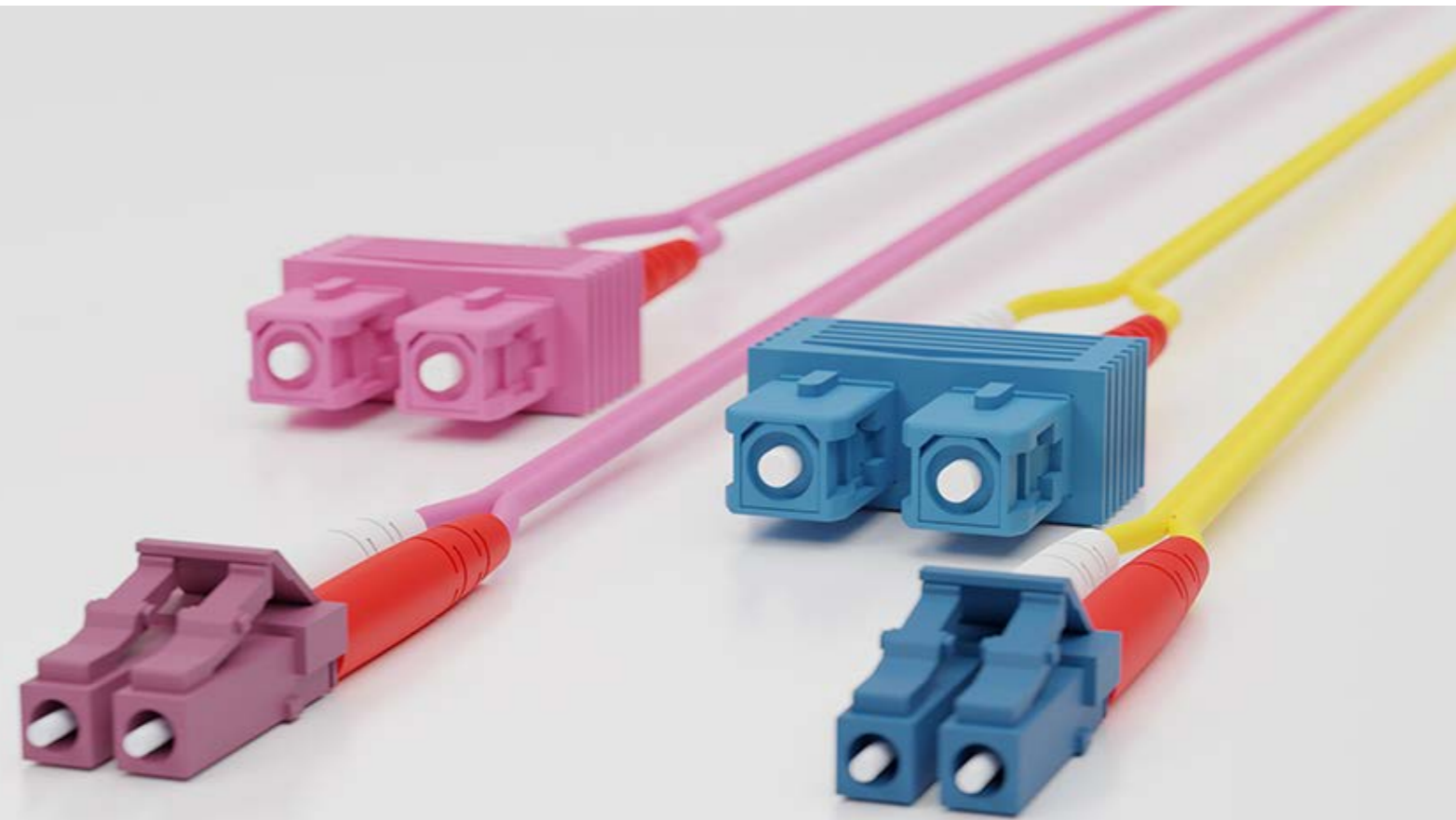
## More reliable Fiber Optic Cabling

Conventional Fiber Optic Cabling is expensive. Fiber Optic Cables in a messy network rack break more easily. Harnesses are heavy, leading to broken connectors, kinked cables and worse performance.



# High quality. Bend-insensitive. 5-year warranty.

Fiber Optic Cables are the backbone of modern communication systems, providing faster and more reliable data transmission over long distances. Our selection of OS2 and OM4 fiber optic cables are made with UL-certified ClearCurve fibers by Corning® - the most bend-insensitive on the market and known for their exceptional performance in high-bandwidth applications. The fiber optic cables are equipped with LC-LC and LC-SC connectors, but other types are possible on request. This ensures compatibility with a wide range of equipment. Our Fiber Optic Cables are RoHS compliant and meet the requirements for various industry standards. You can find all standards and certifications on page 8.



*„Managing Fiber Optic cables is very difficult. They are sensitive and break easily. It's way easier with the PATCHBOX and the cables are more durable this way.“*

Download our free Success Story from hosttech

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DECATHLON



Hilton

Microsoft



Certifications & Standards we meet



# Network racks with conventional cabling



## Long & costly Downtimes

According to Gartner, a survey from 2014 showed that the average cost of IT downtimes is \$5,600 per minute.



## Restricted or even no Overview

Up to 70 percent of network issues are caused due to poor cabling practices or poor components. The lack of overview and tangled cables make maintenance difficult, but also lead to many other problems.



## Fragile Fibers

Fiber Optic Cables are expensive, yet very sensitive. When tangled, there is a lot of tension on the cable and the connectors. This leads to worse performance or even broken fibers.



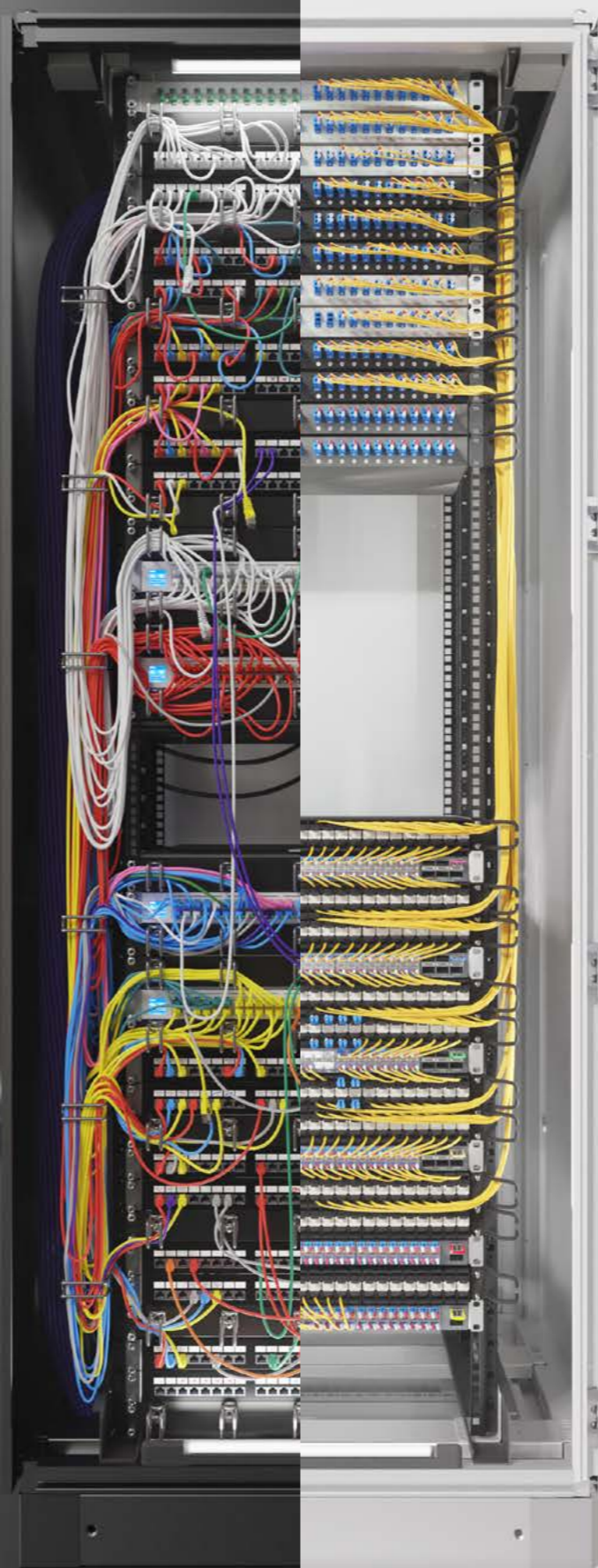
## Maintenance takes long

Many IT System Administrators complain about the lack of time, with strict deadlines and problems requiring an urgent response, as downtimes are costly.



## No IT security

Cable clutter often prevents the server cabinet door from being closed. This is a big security hazard for companies as hardware can be stolen and people can easily intrude the network.



# Network racks with PATCHBOX

available as Cat.6a & Fiber Optic



## Shorter Downtimes

Downtimes are very costly. The use of a PATCHBOX can already pay off from one downtime onwards, as it keeps maintenance and therefore downtimes short.



## Up to 50% more space

In comparison to conventional cabling up to 50 % more rack space is available when using a PATCHBOX.



## Long-lasting fiber optic cabling

An organized network rack is better for your hardware and your cables. Less tensions means better performance and sustainability of the cables.



## Up to 8x faster

Maintenance, as well as installation, is up to eight times faster with the PATCHBOX, saving lots of time and money.



## Toolless, fast & easy

Installation of the PATCHBOX is fast and easy. No tools are required and the cables are stored inside the cassette, which makes lack of storage room for cables a problem of the past.

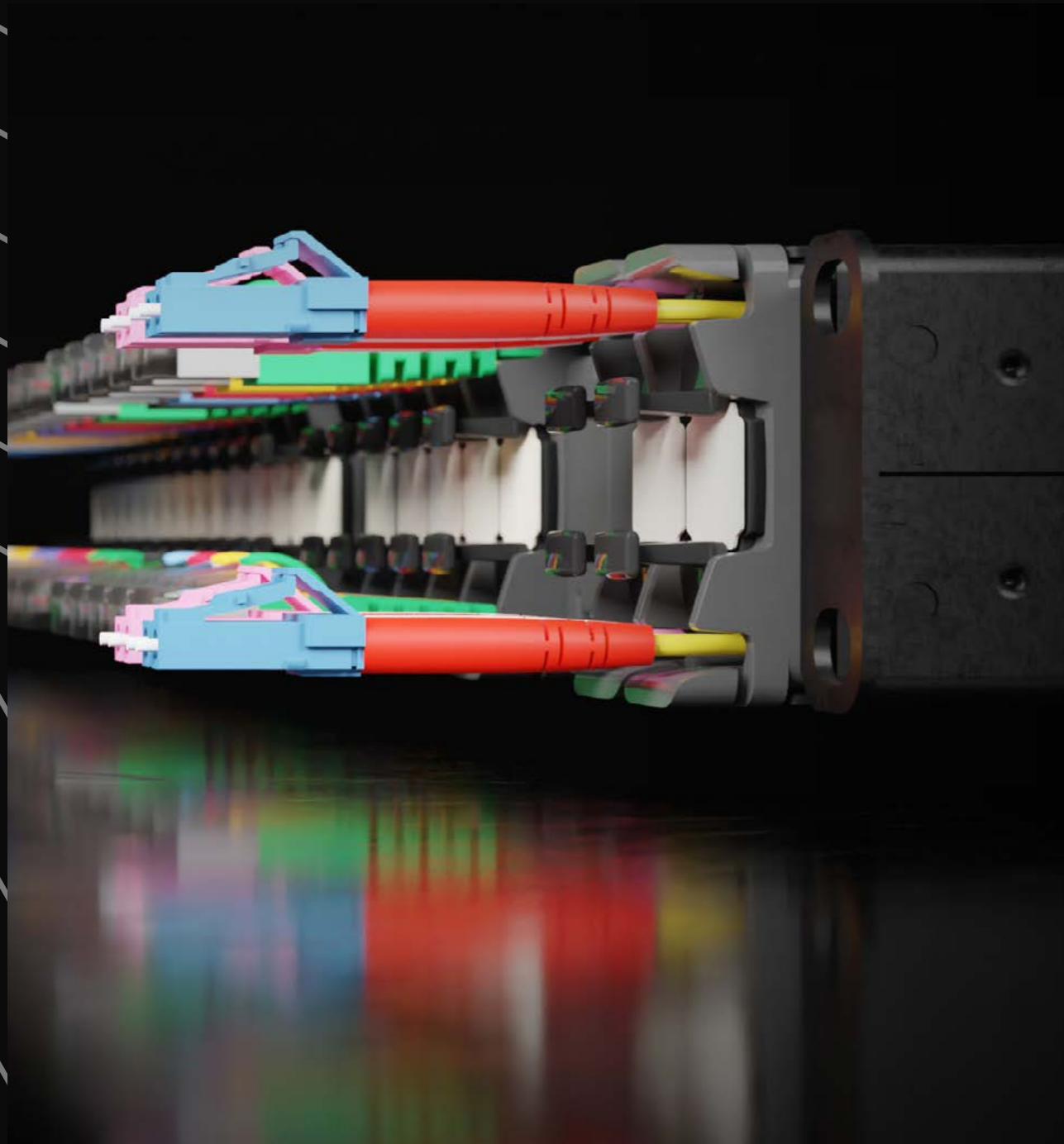


## 5-year warranty - also on the cables

We offer a 5-year manufacturer warranty on the PATCHBOX Plus+ and PATCHBOX 365 – which also applies to the Fiber Optic Cables.

# PATCHBOX

The PATCHBOX is the most modern cabling system for network racks. It is a long-term all-in-one solution with the only in length adaptable Fiber Optic cables for network racks on the market. They are covered by a 5-year warranty and made with optical fibers from Corning® - the most bend-insensitive on the market.



Available as: OS2 / OM4

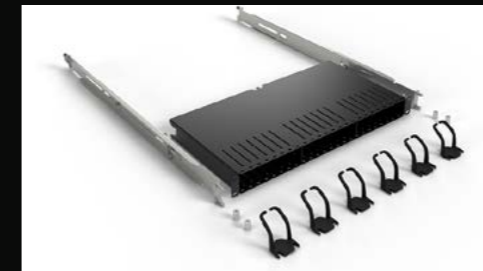
Cable lengths: 0.8m covers 8RU, 1.8m covers 30RU and 2.5m covers 46RU

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[Get more Information](#)

## Frame + Cassette = PATCHBOX

The PATCHBOX is a modular system consisting of 24 Cable Cassettes. The PATCHBOX is available with Cat.6a cables and Fiber Optic Cables - either pick one type for all 24 Cassettes or mix them as you desire.



### Frame

The Frame offers space for up to 24 Cable Cassettes. The Frame is quickly installed and the Cable Cassettes are easily slid into it. Have 24 of the same Cassettes or make it yours with the modular system.

### Cable Cassettes

The cables within the Cassettes are available in three different lengths, as OS2 & OM4 and with LC-LC Duplex and LC-SC Duplex connectors. The Fiber Optic Cables are immediately ready for use and always in the length needed by simply being stopped with the cable stopper. Therefore there is no tension on the cables.

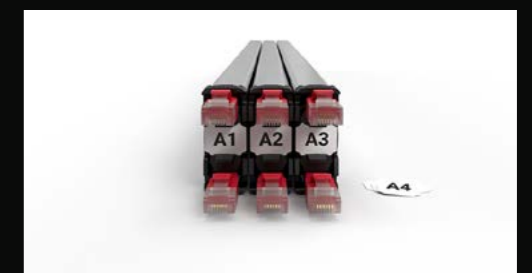


### Patchcatch

Our Patchcatch is a ORU cable manager alternative. By replacing the conventional cable managers, you can use up to 50% more space in your rack. This leads to better thermal conditions and a better overview.

### ID Labels

Although the colourful cables and the modular system already improve the overview, cable tracing is even easier with our ID Labels for cable documentation.



# Technical Specifications of our Fiber Optic Cables

## Certifications & standards we meet

ISO/IEC 11801-1:2017  
ANSI/TIA-568-D.3  
RoHS compliant  
Singlemode Bend-Insensitive  
OM4 - 50 μm Multimode Bend-Insensitive  
TIA-492AAAD  
TIA-492CAAB  
IEC 61300-3  
ITU G.657.B3

## Cable lengths

0.8 m/31.50" (8RU)  
1.8 m/70.87" (30RU)  
1.8 m retractable + 0.7 m non-retractable / 70.87" extractable + 27.56" over-length non-retractable (46RU)

## Cables

OS2 (RBS 9μ/125μ, G.657.B3, LSZH, Yellow, Single-Mode, RoHS compliant)

OM4 (RBS 50μ/125μ, LSZH, Erika Violet, Multi-Mode, RoHS compliant)

## Connector Types

LC-LC Duplex  
LC-SC Duplex

## Connector Counts

4 connectors - 2 Duplex

## Ferrule End Faces

LC/SM Ceramic Ferrule, 125.0 - 12.7μm, Concentricity < 0.3  
SC/SM Ceramic Ferrule, Concentricity < 1.0



## Cables Diameter

2.0mm

## Core/Cladding Diameter

OS2: 9μ/125μ,  
OM4: 50/125

## Wavelength

OS2: 850/1300nm  
OM4: 1310/1550nm

## Speed

10/40/100 Gb/s

## Frequency

OS2: 100GHz/km  
OM4: 500Mhz/km

## Insertion loss

100% ≤ 0.10 dB

## Return loss

≥ 50 dB ≤

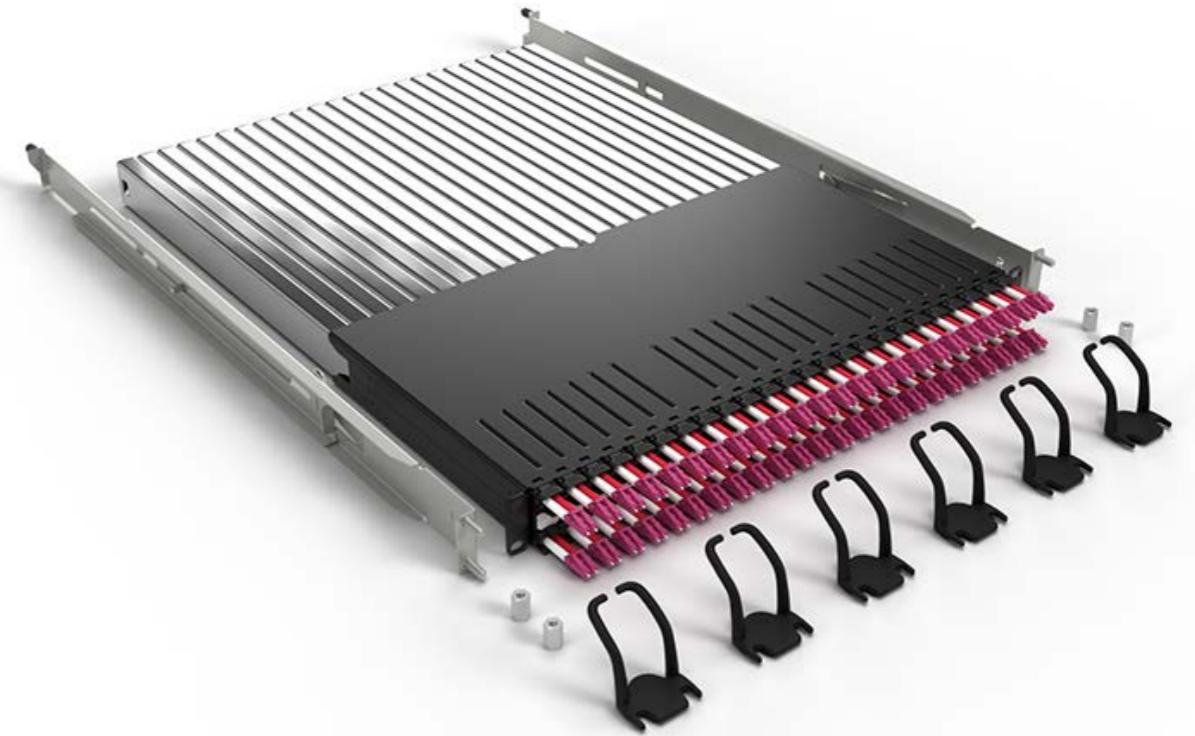
## Flexibility & bending radius

OS2: 5mm  
OM4: 7.5mm

# Trusted by global brands from every industry.

With our innovative ideas and solutions, we already inspired more than 30,000 renowned customers worldwide.

What are you waiting for?



PATCHBOX Plus+ Fiber Optic OM4 with LC-LC



PATCHBOX Plus+ Fiber Optic OM4 with LC-SC



PATCHBOX Plus+ Fiber Optic OS2 with LC-LC



PATCHBOX Plus+ Fiber Optic OS2 with LC-SC

[sales@patchbox.com](mailto:sales@patchbox.com)

+43 199 71960

[www.patchbox.com](http://www.patchbox.com)

