Rosenberger
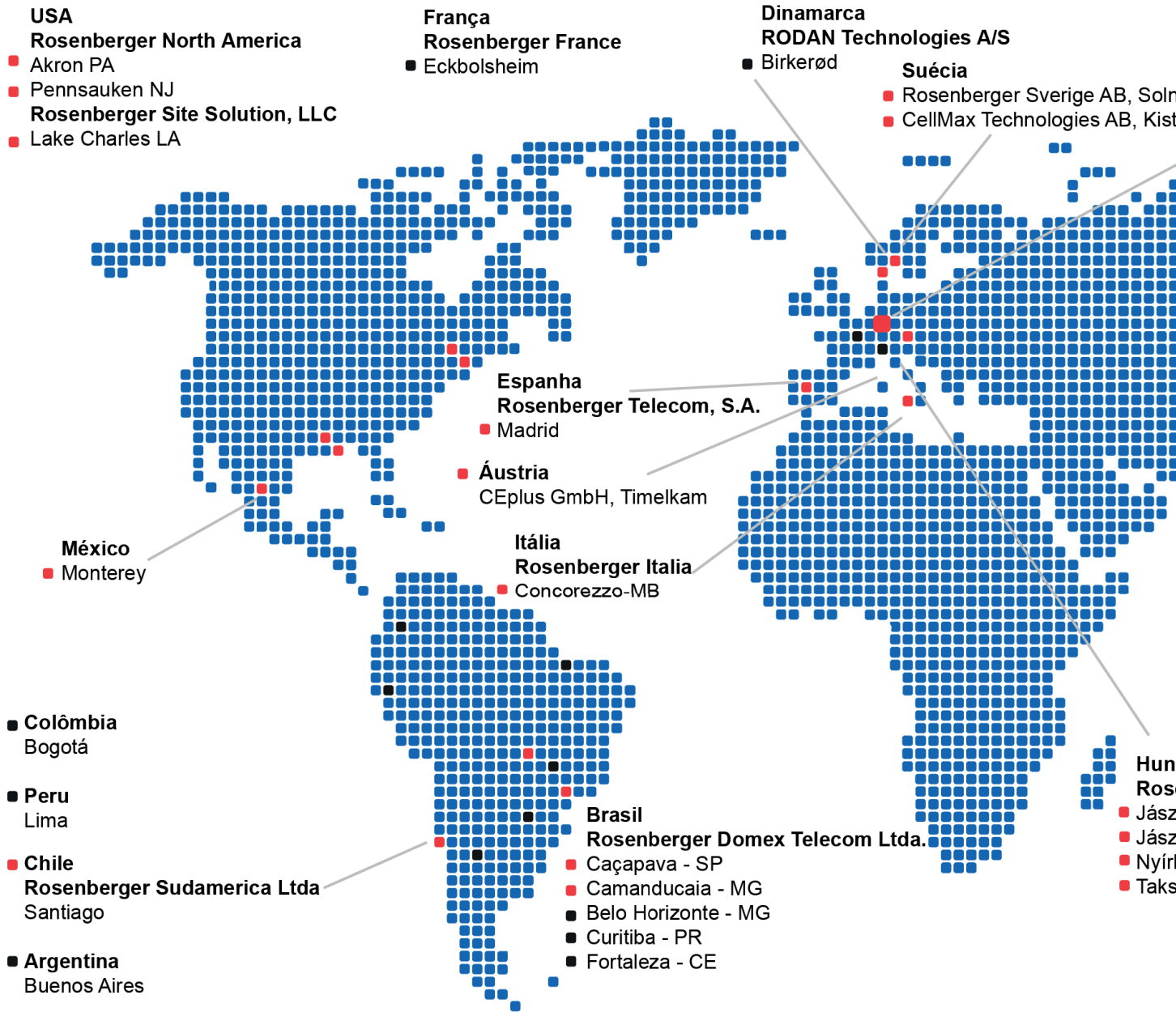
Your specialist partner in optical fiber cabling and service infrastructure

Optical Products Catalog

COMMUNICATION

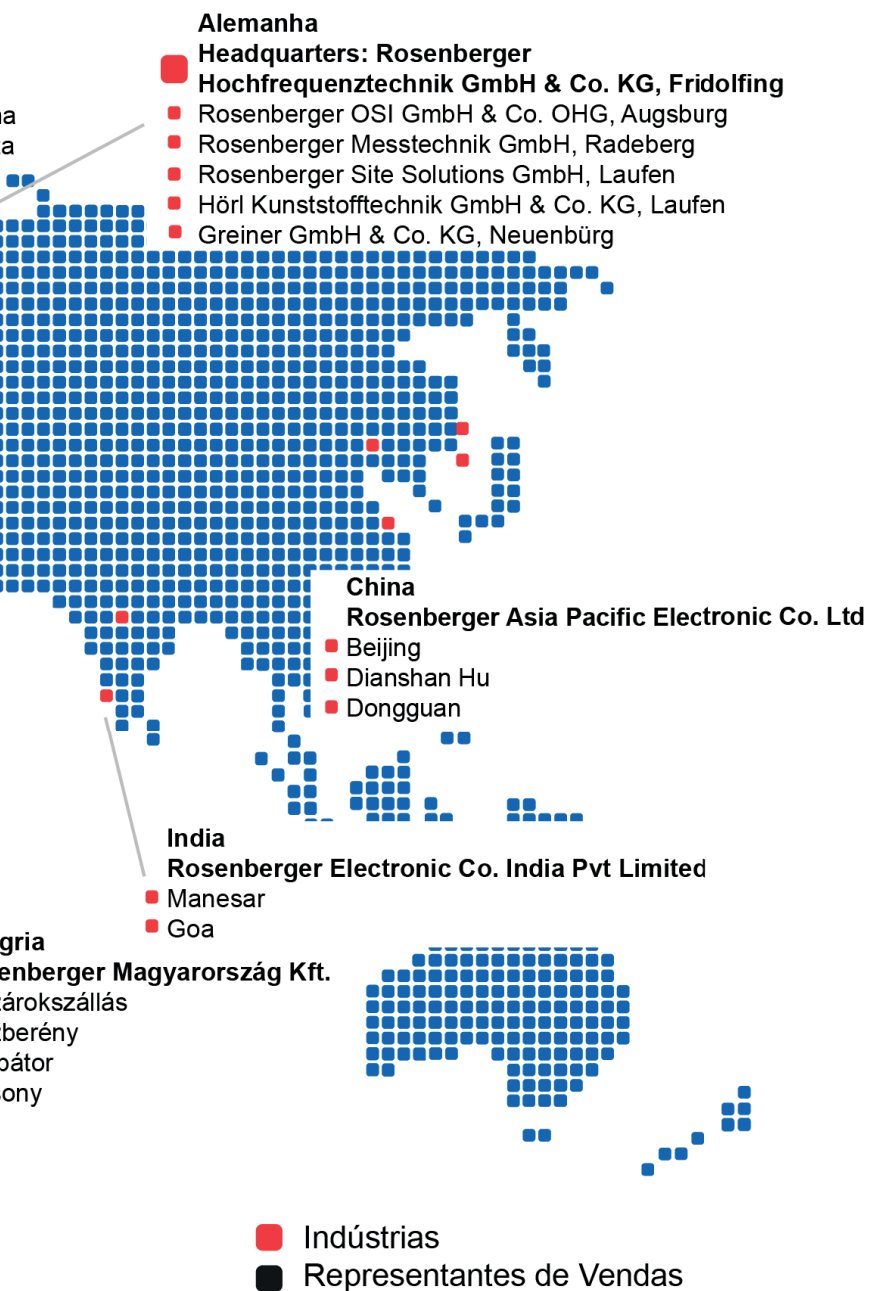# Rosenberger in the world

USA
Rosenberger North America
- Akron PA
- Pennsauken NJ
Rosenberger Site Solution, LLC
- Lake Charles LA

França
Rosenberger France
- Eckbolsheim

Dinamarca
RODAN Technologies A/S
- Birkerød

Suécia
- Rosenberger Sverige AB, Soln
- CellMax Technologies AB, Kist

Espanha
Rosenberger Telecom, S.A.
- Madrid

Áustria
CEplus GmbH, Timelkam

Itália
Rosenberger Italia
- Concorezzo-MB

México
- Monterey

Colômbia
Bogotá

Peru
Lima

Chile
Rosenberger Sudamerica Ltda
Santiago

Argentina
Buenos Aires

Brasil
Rosenberger Domex Telecom Ltda.
- Caçapava - SP
- Camanducaia - MG
- Belo Horizonte - MG
- Curitiba - PR
- Fortaleza - CE

Hun
Ros
- Jász
- Jász
- Nyír
- Taks

Brazil Certificates: ISO 9001:2015   ISO 14001:2015

Alemanha
Headquarters: Rosenberger
Hochfrequenztechnik GmbH & Co. KG, Fridolfing
Rosenberger OSI GmbH & Co. OHG, Augsburg
Rosenberger Messtechnik GmbH, Radeberg
Rosenberger Site Solutions GmbH, Laufen
Hörl Kunststofftechnik GmbH & Co. KG, Laufen
Greiner GmbH & Co. KG, Neuenbürg

China
Rosenberger Asia Pacific Electronic Co. Ltd
■ Beijing
■ Dianshan Hu
■ Dongguan

India
Rosenberger Electronic Co. India Pvt Limited
■ Manesar
■ Goa

gria
enberger Magyarország Kft.
árokszállás
berény
átor
ony

■ Indústrias
■ Representantes de Vendas

Welcome to the group

The Rosenberger group specializes in the development, manufacturing and sales of technological solutions for the telecommunications, automotive, test and measurement and precision equipment markets.

The Group's organizational structure is formed by more than 11.300 employees, spread among several operating units in Europe, Asia and the Americas.

For more than half a century, the name Rosenberger has been linked with the most advanced technology, highest levels of quality, and deep creative content.

The Group presents itself as one of the world leaders in the segment of high frequency and optical fiber connection solutions.

The Group operates with a high degree of partnership with customers and serves the most renowned companies in technology, telecommunications, data systems, medical electronics, industrial measurement technology, automotive electronics, and electromobility.

Annually, strategic investments are made in the development of new products with the highest quality and in the most advanced manufacturing and business processes, always taking into account the conservation of resources and environmental protection.

Above all, the Group continues to invest in it's best asset - the people - knowing that the people are the future of the company.

Rosenberger Hochfrequenztechnik

Rosenberger Headquarters - Fridolfing/Germany

Located in Fridolfing, Upper Bavaria, at the foot of the Alps in the far south-east of Germany, close to the Austrian city of Salzburg. Founded by Sr. Hans Rosenberger in 1958 in Tittmoning, the family business developed into a medium-sized industry. In 1968, he moved to the Traunstein region, expanding his manufacturing area and entering the high-frequency technology sector. Currently more than 1450 people work at the headquarters of the Rosenberger Group.

Rosenberger Brasil - Caçapava/São Paulo

In Brazil since 1985, it is established in its own headquarters in the municipality of Caçapava, state of São Paulo, close to the Carvalho Pinto Highway, between Rio de Janeiro and São Paulo, Brazil's main industrial axis. The new 26,000 m2 plant was built within the most modern concepts of Sustainability and Human Factor Management. Its location is privileged in terms of logistics and national aspects, due to its closeness to technological research centers, cutting-edge industries, and large urbanization centers.

This unit produces:

Optical Fibers (FO)
- Patchcords
- Pigtails
- Trunk, Harness, and FTTA cables
- Racks and DIOs

Radio Frequency (RF)
- Flexible Cables
- Corrugated Jumpers
- FAKRA®

Timeline

1958
Foundation of the company by Hans Rosenberger Senior. The original steel works workshop was the beginning of the current machining manufacturing center for customized machinery.

1967
Beginning of activities in the area of high frequency technology.

1968
Purchase and transfer of operations to the new industrial plant in Fridolfing/Pietling.

1970
The high-frequency technology segment becomes the company's main business with the start of large-scale manufacturing of miniature connectors with a large investment in machinery, manufacturing and measurement equipment.

1983
His sons, Hans, Bernhard and Peter Rosenberger join the company. Hans Rosenberger Jr. takes over the financial and sales management of the high-frequency sector. Bernhard Rosenberger expands the RF and R&D laboratory.

1985
Opening of the first sales office in Denmark followed by expansion in Europe with the opening of new offices, partnerships, and subsidiaries. Beginning of the optical fiber segment within the company.

1990
Becomes one of the world leaders in the manufacture of radio frequency coaxial connectors and begins to expand outside the European continent: USA, China, Chile, Singapore, and Brazil.

1997
Acquisition of OSI Kommunikationsund Systemtechnik, Augsburg (currently Rosenberger-OSI GmbH & Co. OHG) and surface mount technology development: Impedance control printed circuit.

1999
The inauguration of Rosenberger Sudamerica Ltda takes place in Santiago de Chile, responsible for the expansion and development of the business in Latin America – with sales partners in several countries.

Entry into the automotive electronics market: Development of FAKRA-RF connectors for the automotive industry.

2000

Inauguration of a new factory with electroplating workshop and cable assembly workshop in Beijing, China. Capacity to manufacture parts for high-frequency technology doubles at Headquarters in Fridolfing/Germany.

2001

Rosenberger Hungary becomes an assembly center for the European market. The subsequent inauguration of a new factory, in 2007, in Jászárokszállás, incorporates the manufacture of connectors and cables.

2003

New stamping and molding technology for complex automotive connectors. Beijing Rosenberger becomes Rosenberger Asia Pacific.

2004

The first subsidiary in India appears in Gurgaon/Haryana, with a sales office located in Bangalore.

2006

The new Rosenberger Domex Telecom plant opens in Brazil and the production capacity expands in the USA, India, and Hungary.

2010

Hörl, a company of the Rosenberger Group, establishes a new plant in Laufen/Germany. Start of a new assembly line for the high voltage segment in Jászberény/Hungary.

2014

Inauguration of a new state-of-the-art unit in Goa/India and a new sales office in Tokyo/Japan named Rosenberger Automotive Japan LLC.

2015

Rosenberger Fridolfing's 60th anniversary 2019.

2018

Group's operating markets

Communication – FO and RF

With extensive experience in the radio frequency industry, Rosenberger has in its portfolio several types of RF connectors, cable assembly, miniaturization for cable-to-board connectors, board-to-board, and connections for printed circuit boards, the Group also offers innovative products in the optical frequency range, from customized optical cords to hybrid solutions. The optical fiber connection systems feature connectors, adapters and attenuators, trunk type cables - PreCONNECT® line, Racks and Optical Intermediate Distributors. It also offers measuring devices as a special service for determining the performance of passive intermodulation of connection systems in laboratories, production lines and in the field.

Automotive

The growth in this market is a result of the increased application of data transmission technology in motor vehicles. Rosenberger supplied its first functional FAKRA connectors for standard, high-frequency on-board applications in vehicles. Dynamic development continues with technical innovations, such as the introduction of stamping technology and the Rosenberger HSD® controlled impedance system. These products have guaranteed the Rosenberger group a leading position in the market. We are currently concentrating our know-how on the development and manufacture of connection solutions for hybrid technology and electric mobility applications, such as RoPD® and HVR® contacts for data and energy transmission.

Medical & Industrial

This business unit takes into account the special demands of medical technology and industrial automation. In the field of medical technology, diagnostic imaging systems such as MRI (magnetic resonance imaging), PET-CET (positron emission tomography), CT (computed tomography), ultrasound and endoscopy are all essential future technologies. The Group offers innovative connector solutions for these applications. Generally, industrial automation deals with specific solutions, which are developed in cooperation with the customer. The diverse range of Rosenberger products includes high frequency, high voltage, high current, differential, optical fiber, and non-magnetic interface solutions.

Measurement

In the innovative "Test and Measurement" business unit, the Rosenberger group is a reliable and accurate development partner in industrial measurement technology. Global cooperation with leading companies in the field of electronic measurement technology demonstrates confidence in our research and development, in our high quality manufacturing: "Made in Germany". For customized solutions, the Rosenberger group offers the ability to provide solutions at a better cost. The range of precision connectors includes cable connectors and adapters from the RPC-N, RPC-TNC, RPC-7, RPC-SP, RPC-3.50, RPC-2.92, RPC-2.40, RPC-1.85 and RPC-1.00 series.
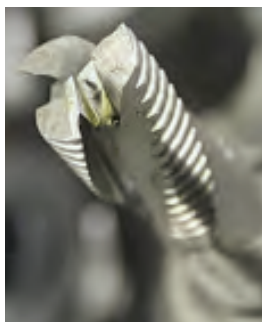
Custom Equipment

When Sr. Hans Rosenberger became an independent metalworker in 1958, with a small workshop, this was the seed of the current machining center and, at the same time, the cornerstone of the company we know. Today, the Rosenberger "Custom Machining Center" has become a specialist in custom parts and ready to install. Our main competence is in the area of turning, drilling, cutting, and gearing. With the implementation of the highest technical standards, our customized machining center has become a qualified partner for the drive and commercial vehicle industry, as well as for machine and system manufacturers.
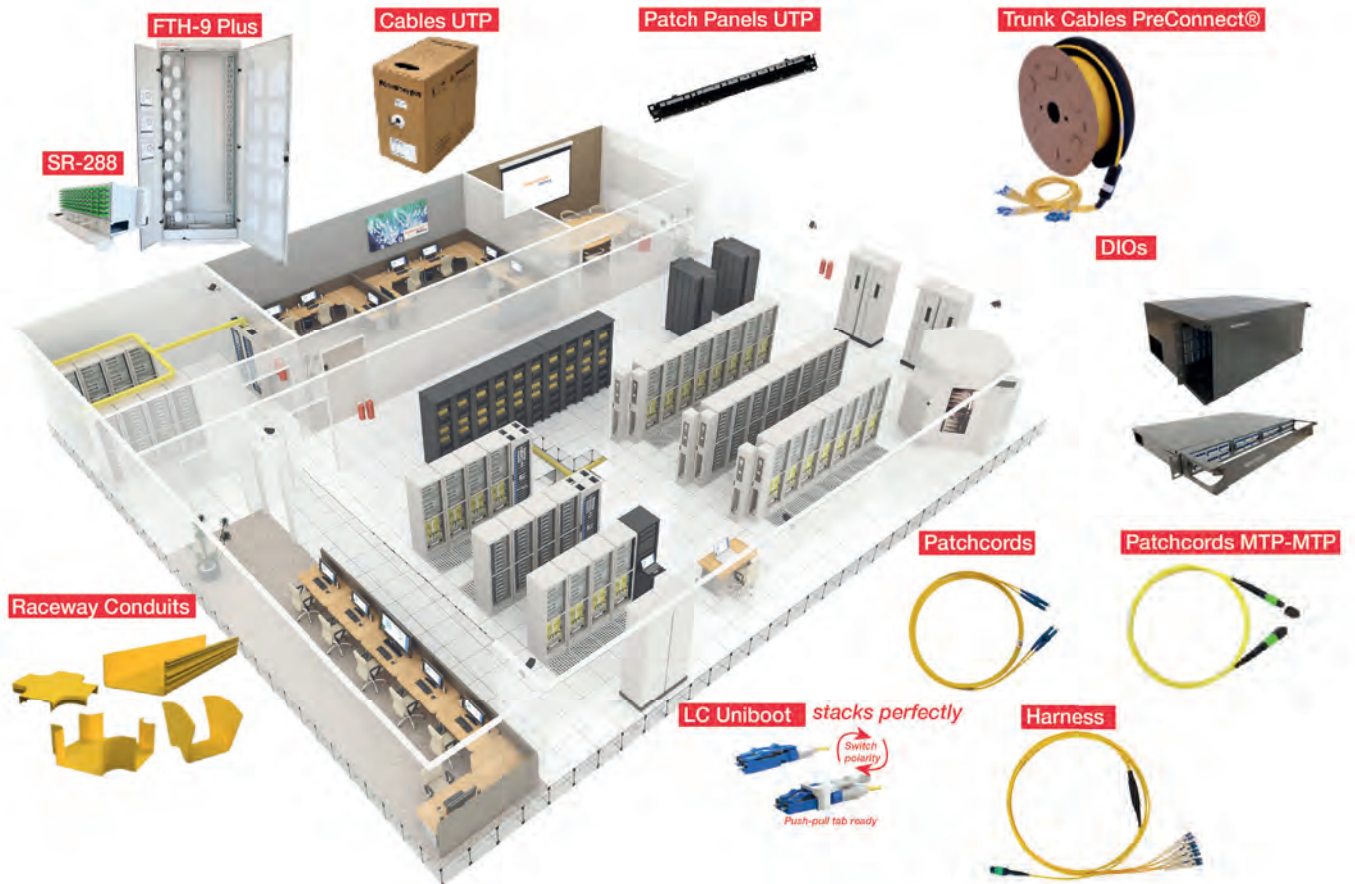
General Index

Solutions in connectivity

Datacenter

Our line of Data Center Solutions include copper & fiber cabling solutions (patch cords, trunk cables and custom fanouts), optical distribution solutions (Focux family of solutions and raceway), and a 19" rack mount flexible solution (Taurus).

In this catalog you will find:
Focux Solution: Racks, subracks, and modules - High Density - starting on page 10
Cabling: Patch Panel, Cables - starting on page 80
Cables and cords: Trunks, patchcords, and harness - starting on page 84
Raceway Conduits - starting on page 96

Rosenberger

FTTx

Operating in the Brazilian telecom market for 35 years, we offer a complete solution including a wide range of passive products for FTTH, such as optical intermediate distributors, patchcords, field connector, CTO, splice boxes, drop cable, splitters, faceplates, and mechanical splice. *Discover the entire FTTX line starting on page 115.*
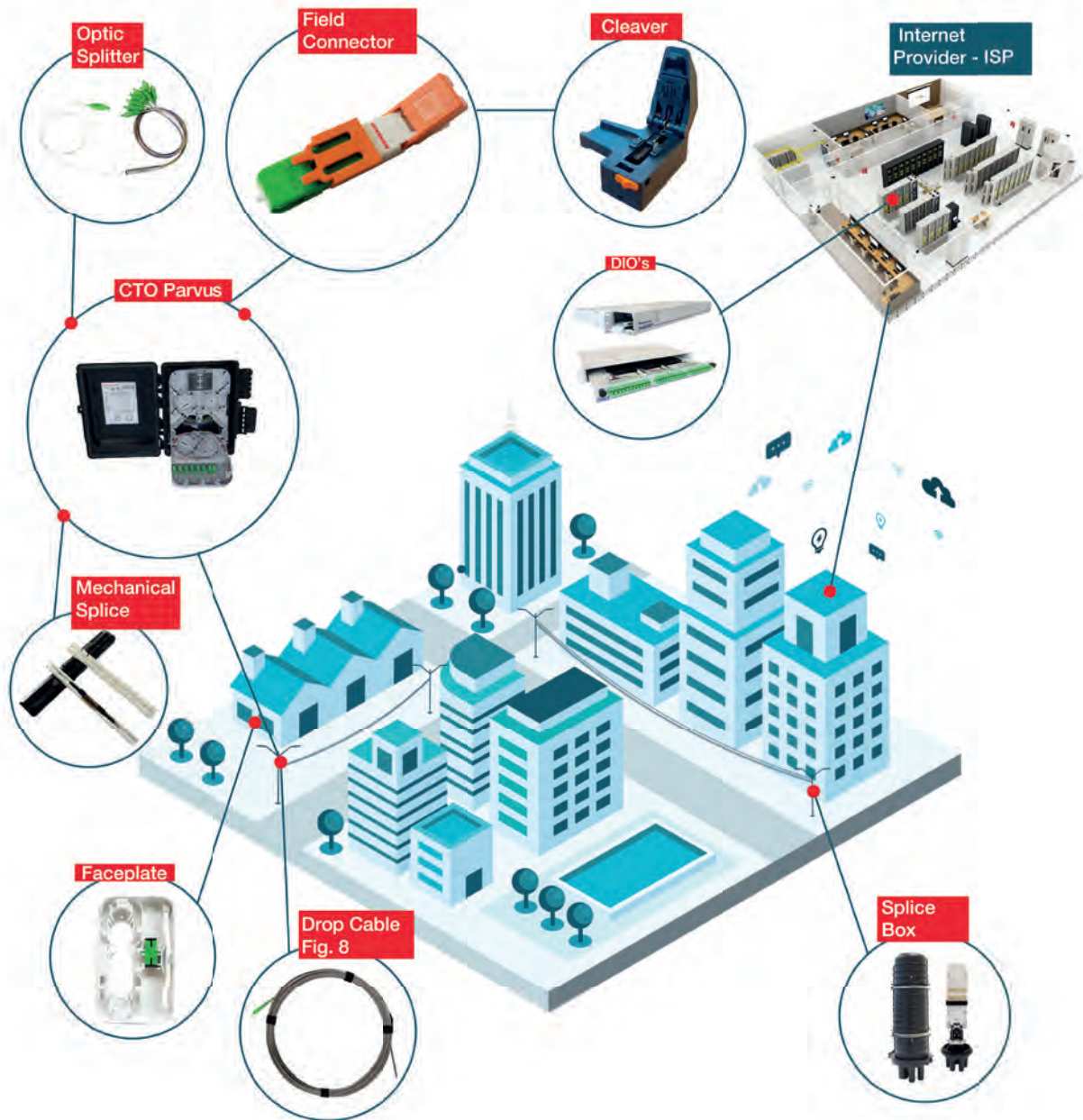
See too:

Rosenberger

FOCUX
SOLUTION

RACKS | SUBRACKS | MODULES

The FOCUX optical distribution solutions, composed of a family of products - including the cabinets, subracks, modules and cabling, is designed with a high density of fiber connections in a small footprint, allowinf for ease of IMACs, fiber security and overall link protection.

The racks were designed for allowing installations to be side by side, coast to coast and against the wall. The front doors have front access to limit internal access to authorized persons. FOCUX can be installed on either raised floors or concrete slabs for several options for security. All models are 300 mm deep, creating cost savings per floor space occupation. Height can be 2200 mm or 1800 mm for rooms with low ceilings. They have different widths, 300 mm, 600 mm, 900 mm and 1200 mm, allowing the installation of up to 2880 fibers in a single rack.

The solution is designed to be modular using either 2RU or 4RU subracks, allowing for the unit to be built out as needed. This approach also reduces the initial investment as you add components as needed versus all at once. In addition, the solution family uses the same modules, thereby providing for greater availability while reducing onsite inventory management.

An important feature of the FOCUX solution is the slack fiber managers. The slack managers keep the cabling neat and organized preventing the cable plant from becoming unmanagable. In addition, the slack managers facilitate both intra-rack and inter-rack connections bringing more flexibility and modularity to your data center.

The Focux line allows easy and fast IMAC (Installation, Move, Add, and Change). The internal space is sufficient to safely activate and deactivate connections. Videos, manuals, and training are available online for training.

APPLICATIONS: FTTX | DATACENTERS | TELECOMMUNICATIONS

INSTALLATION:

side-by-side   seismic   back-to-back   against the wall

Rosenberger

FTH-9 Plus

FOCUX SOLUTION +PLUS

High capacity up to 2880 FO

Capacity up to 10 SR-900
or 10 SR-288
or 20 QDF-900

Uses less floor space

Low cost per occupied area

100% front access - install anywhere

Vertical cable management

Support proper bend radius of fibers

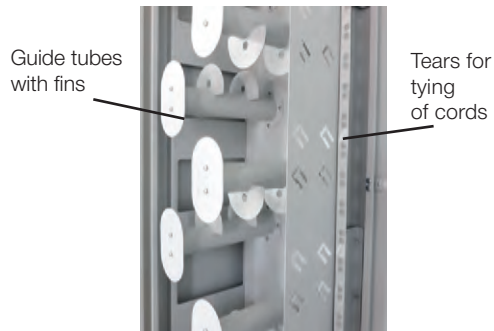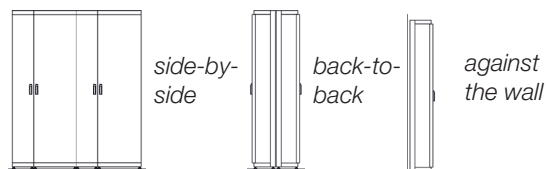Enough space to fit and operate
fibers safely

Enables IMACs (Installation, Move,
Add, Change)

Corrosion resistant

Security door with locking options

Guide tubes with fins

Tears for tying of cords

Installation

side-by-side

back-to-back

against the wall

Technical Specification

Useful height (Us)	40
WxHxD (mm)	900x2200x300
Weight (Kg)	102

Available in colors:
Light Gray RAL 7035
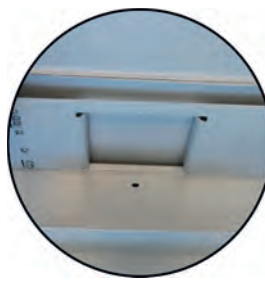Black   RAL 9005
Other colors on request

Details

Top cable entry/exit

Lower cable entry/exit

Vertical cable management

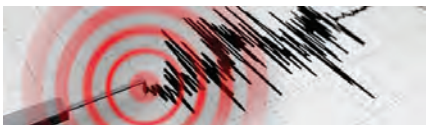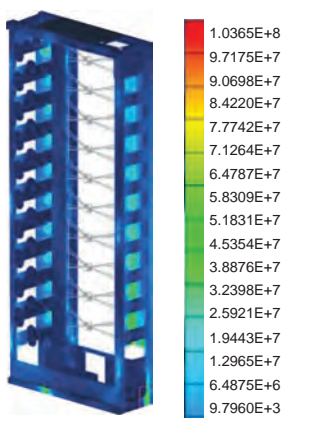Sill for the passage of back-to-back cords

Cremone clasp

Version - Apr 2022

Rosenberger

FTH-9 Plus Wave

FOCUX SOLUTION

WAVE

High capacity up to 2880 FO

*Capacity up to 10 SR-900
or 10 SR-288
or 20 QDF-900*

Uses less floor space

Low cost per occupied area

100% front access - install anywhere

Vertical cable management

Support proper bend radius of fibers

*Enough space to fit and operate
fibers safely*

*Enables IMACs (Installation, Move,
Add, Change)*

Corrosion resistant

Security door with locking options

Resistant to earthquakes

Installation

1.0365E+8	
9.7175E+7	
9.0698E+7	
8.4220E+7	
7.7742E+7	
7.1264E+7	
6.4787E+7	
5.8309E+7	
5.1831E+7	
4.5354E+7	
3.8876E+7	
3.2398E+7	
2.5921E+7	
1.9443E+7	
1.2965E+7	
6.4875E+6	
9.7960E+3	

Graphical simulation seismic

According to IEEE 693-2005, recommended for regions in zone 4 of the fire belt.

Demonstration assembly of cables and cords

seismic

concrete floor mounting for seismic regions conditions

Technical Specification

Useful height (Us)	40
WxHxD (mm)	900x2200x300
Weight (Kg)	122

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Details

Top cable entry/exit

Lower cable entry/exit

Vertical cable management

Sill for the passage of back-to-back cords

Cremone clasp

Rosenberger
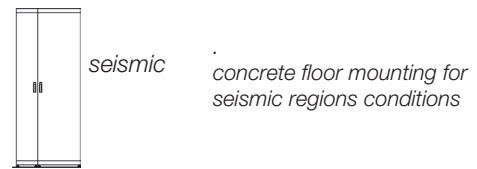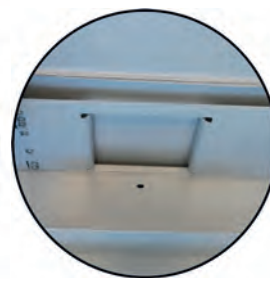
Version - Apr 2022

SR-288

Splicing, Patching and Transition

Capacity up to 288 FO

Maximum capacity up to 12 modules of 12 or 24 FO

Internal cable operation 100% front with movable tray

Front cable guide for cord organization

Installation kit

Corrosion resistant

Installation

FTH-9 Plus
FTH-9 Plus Wave
19" Racks and Frames
(21" and 23" on demand)

Versions

Technical Specification

Useful height (Us)	4
WxHxD (mm)	483x177x297
Approximate weight (Kg)	6.0
Capacity	Straight module: Up to 288FO - LC/QX
	Straight module: Up to 144 FO - SC/DX
	MTP module: Up to 288 FO - LC/QX and MTP/MPO

Available in colors:
Light Gray RAL 7035
Black RAL 9005
Other colors on request

Details
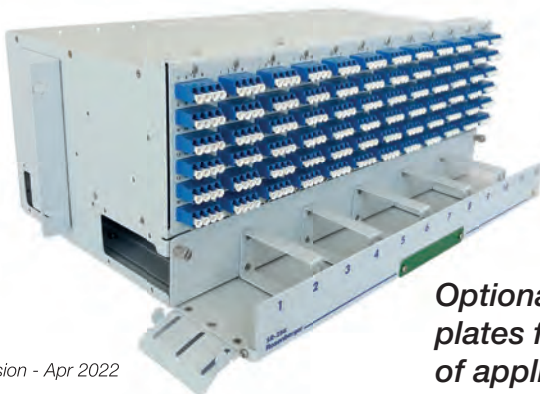
Optional: Green and yellow plates for visual separation of applications

Rosenberger

Straight Module Splicing

FOCUX
SOLUTION

Accommodation, organization, and protection up to 24 FO

Front panel with numeric identification

Storage of loose tube waste in the tray itself

Cassette to fit optical fusions

Mounting with screws

PLUS

WAVE

Installation

SR-288

Versions

EF EASY FUSION

Technical Specification

Useful height (Us)	3
WxHxD (mm)	35x115x198
Approximate weight (Kg)	0.3
Capacity	Fusion up to 12 FO - LC/DX
	Fusion up to 24 FO - LC/QX
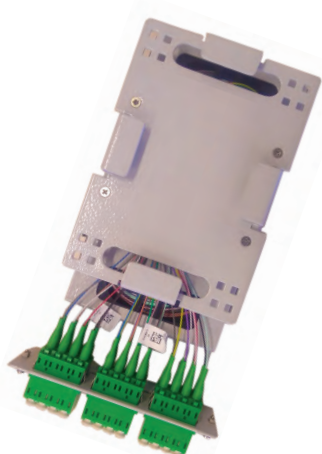
Available in colors:
▫ **Light Gray RAL 7035**
■ **Black   RAL 9005**
Other colors on request

Details

Fusion

Rosenberger

Straight Module Cross Connect

FOCUX SOLUTION

Accommodation, organization, and protection up to 24 FO

Front panel with numeric identification

Mounting with screws

+PLUS   WAVE

Installation

SR-288

Versions

E3 CROSS CONNECT ESPELHAMENTO

Technical Specification

Useful height (Us)	3
WxHxD (mm)	35x115x198
Approximate weight (Kg)	0.3
Capacity	Cross connect up to 24 FO - LC/QX

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Details

Cross Connect

Rosenberger

MTP Module

FOCUX SOLUTION

Accommodation, organization, and protection of up to 24 FO

Front panel with numeric identification

Module assembled with MTP/MPO optical adapters (male or female) connected via mini Harness

Mounting with screws

PLUS

WAVE

Installation

SR-288

Technical Specification

Useful height (Us)	3
WxHxD (mm)	35x115x198
Approximate weight (Kg)	0.3
Capacity	Up to 12 FO - LC/DX and MTP/MPO
	Up to 24 FO - LC/QX and MTP/MPO

Details

MTP detail

Version - Apr 2022

Rosenberger

FTH-900

FOCUX SOLUTION

Capacity up to 1920 FO for 40Us
or 1536 FO for 32Us

Capacity up to 10 SR-900 or 20 QDF-900 for 40Us
or 8 SR-900 or 16 QDF-900 for 32Us

Uses less floor space

100% front access - install anywhere

Vertical cable management

Support proper bend radius of fibers

Enough space to fit
and operate fibers safely

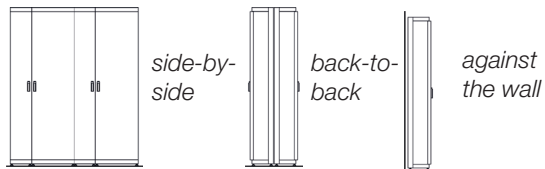Enables IMACs (Installation, Move,
Add, Change)

Corrosion resistant

Security door with locking options

Steel door or acrylic cover

Front closed

Side without doors

Installation

side-by-side

back-to-back

against the wall

Technical Specification

Useful height (Us)	40 | 32
WxHxD (mm)	900x2200x300 900x1800x300
Weight (kg)	98 | 80

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Details

Top cable entry/exit

Lower cable entry/exit

Vertical cable management

Sill for the passage of back-to-back cords

Cremone clasp

Version - Apr 2022

Rosenberger

SR-900

FOCUX SOLUTION

Splicing, Patching and Transition

Capacity up to 192 FO

Maximum capacity up to 8 modules of 12 or 24 FO

Internal cable operation 100% front with movable tray

Front cable guide for cord organization

Installation kit

Corrosion resistant

Installation

FTH-900
FTH-9 Plus
FTH-9 Plus Wave
19" Racks and Frames
(21" and 23" on demand)

Versions

E3 CROSS CONNECT ESPELHAMENTO

EF EASY FUSION

HIGH POWER 4.5W SOLUTION

HIGH PERFORMANCE 0.1dB SOLUTION

Technical Specification

Useful height (Us)	4
WxHxD (mm)	483x177x297
Approximate weight (Kg)	6.2
Capacity	Angular Module: Up to 96 FO - SC/SX, E2000/SX, LC/SX or LC/DX
	MTP module: Up to 192 FO - LC/QX and MTP/MPO
	Straight Module: Up to 192 FO (mirror only) - LC/QX

Available in colors:
■ **Light Gray RAL 7035**
■ **Black   RAL 9005**
Other colors on request

Details

Route guide

Side cable entry

Rosenberger

QDF-900

FOCUX SOLUTION

Splicing or Patching

Capacity up to 72 FO

Internal panel with numeric identification

250 mm opening of the splice drawer via detachable telescopic rail

Front cable guide for cord organization

Installation kit

Corrosion resistant

Installation

FTH-900
19" Racks and Frames
(21" and 23" on demand)

Versions

CROSS CONNECT ESPELHAMENTO

EF EASY FUSION

HIGH POWER 4.5W SOLUTION

HIGH PERFORMANCE 0.1dB SOLUTION

Technical Specification

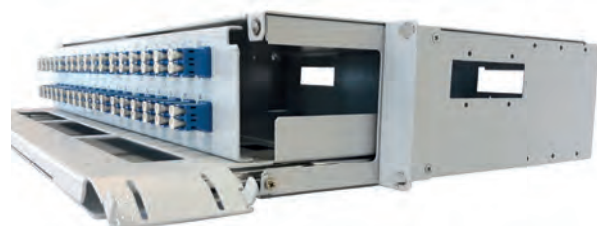|	
Useful height (Us)	2
WxHxD (mm)	483x87x297
Approximate weight (Kg)	4.4
Capacity	Up to 72 FO - SC/SX, E2000/SX, E2000/DX, LC/SX or LC/DX

Available in colors:
■ **Light Gray RAL 7035**
■ **Black   RAL 9005**
Other colors on request

Details

Route guide

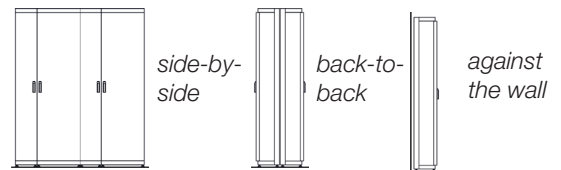**Side cable entry**

Rosenberger

FTH-600

FOCUX SOLUTION

Capacity up to 720 FO

Capacity up to 10 SR-600
or 20 QDF-600

Uses less floor space

Low cost per occupied area

100% front access - install anywhere

Vertical cable management

Support proper bend radius of fibers

Enough space to fit and operate
fibers safely

Enables IMACs (Installation, Move,
Add, Change)

Corrosion resistant

Security door with locking options

Steel door or acrylic cover

High density

Installation

side-by-side   back-to-back   against the wall

Technical Specification

Useful height (Us)	40
WxHxD (mm)	600x2200x300
Weight (Kg)	70

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Details

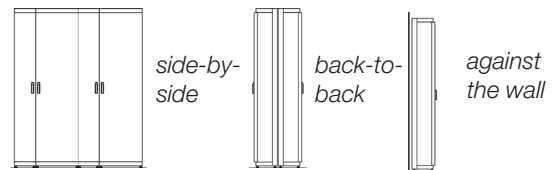| Door pin	Side cover closure	Side mouting guide	Cremone clasp	Door latch

Rosenberger

FTH-610

FOCUX
SOLUTION

Capacity up to 720 FO

Capacity up to 10 SR-600
or 10 SR-601 or 20 QDF-600

Uses less floor space

Low cost per occupied area

100% front access - install anywhere

Vertical cable management

Support proper bend radius of fibers

Enough space to fit and operate
fibers safely

Enables IMACs (Installation, Move,
Add, Change)

Corrosion resistant

Security door with locking options

Steel door or acrylic cover

Greater internal space

Installation

side-by-side

back-to-back

against the wall

Technical Specification

Useful height (Us)	40
WxHxD (mm)	600x2200x300
Weight (Kg)	60

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Details

Door pin

Side cover closure

Side mouting guide

Door latch

Lower cable entry

Rosenberger

FTH-620

FOCUX SOLUTION

Capacity up to 1152 FO

Capacity up to 8 SR-600 or 16 QDF-600

Uses less floor space

Low cost per occupied area

100% front access - install anywhere

Central cord organizer
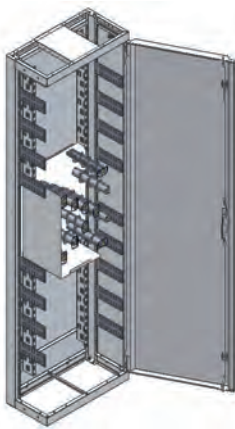
Support proper bend radius of fibers

Enough space to fit and operate fibers safely

Enables IMACs (Installation, Move, Add, Change)
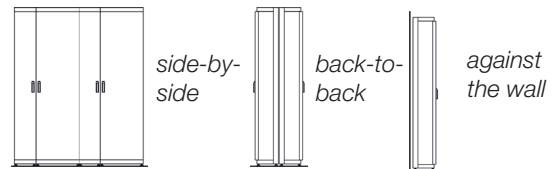
Corrosion resistant

Security door with locking options

Steel door or acrylic cover

Central organizer

Details

Installation

side-by-side

back-to-back

against the wall

Technical Specification

Useful height (Us)	40
WxHxD (mm)	600x2200x300
Weight (Kg)	88

Available in colors:
- Light Gray RAL 7035
- Black   RAL 9005

Other colors on request

Door pin	Side cover closure	Side mouting guide	Cremone clasp	Central organizer

Rosenberger

SR-600/601

FOCUX SOLUTION

Splicing, Patching and Transition

Capacity up to 144 FO

Maximum capacity up to 6 modules of 12 or 24 FO

Internal cable operation 100% front with movable tray

Front cable guide for cord organization

SR-600 with cable guide oriented to the right and SR-601 to the left

Installation kit

Corrosion resistant

Installation

FTH-600
FTH-610
FTH-620

Versions

E3 CROSS CONNECT ESPELHAMENTO

HIGH POWER 4.5W SOLUTION

EASY FUSION

HIGH PERFORMANCE 0.1dB SOLUTION

Technical Specification

Useful height (Us)	4U
WxHxD (mm)	393x177x297
Approximate weight (Kg)	4.3
Capacity	Angular Module: Up to 72 FO - SC/SX, E2000/SX, LC/SX or LC/DX
	MTP module: Up to 144 FO - LC/QX and MTP/MPO
	Straight Module: Up to 144 FO (mirror only) - LC/QX

Available in colors:
■ **Light Gray RAL 7035**
■ **Black   RAL 9005**
Other colors on request

Details

Route guide
Version - Apr 2022

Side cable entry

Rosenberger

QDF-600

FOCUX SOLUTION

Patching or Splitter

Capacity up to 36 FO

QDF Splitter has a cassette for fusioning up to 12 fibers, setup with 1:8, 116 or 132 Splitters
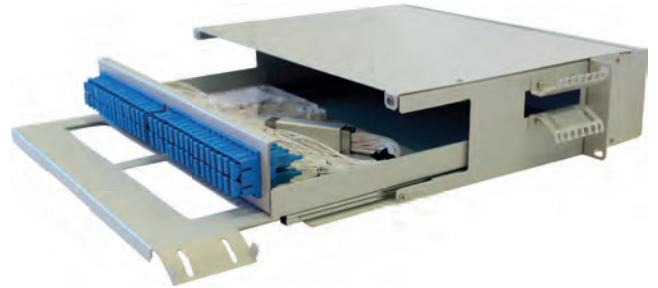
Internal panel with numeric identification

250 mm opening of the splice drawer via detachable telescopic rail

Front cable guide for cord organization

Installation kit

Corrosion resistant

Installation

FTH-600
FTH-610
FTH-620

Versions

E3 CROSS CONNECT ESPELHAMENTO

HIGH POWER 4.5W SOLUTION

HIGH PERFORMANCE 0.1dB SOLUTION

Technical Specification

Useful height (Us)	2
WxHxD (mm)	393x87x297
Approximate weight (Kg)	3.7
Capacity	Mirroring: Up to 36 FO - E2000/SX, SC/DX or SC/DX

Available in colors:
■ **Light Gray RAL 7035**
■ **Black   RAL 9005**
Other colors on request

Details

Route guide

QDF-Splitter

Rosenberger

QDF-610

FOCUX
SOLUTION

Splicing

Capacity up to 72 fusions

*250 mm opening of the splice drawer
via detachable telescopic rail*

Installation kit

Corrosion resistant

Installation

FTH-600
FTH-610
FTH-620

Version

**EF
EASY FUSION**

Technical Specification

Useful height (Us)	2
WxHxD (mm)	393x87x297
Approximate weight (Kg)	3.7
Capacity	Up to 72 Fusions

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Details

3 splicing trays

Side cable entry

Rosenberger

FTH-300

FOCUX SOLUTION

Capacity up to 240 FO for 40Us
192 FO for 32Us

Capacity up to 10 SR-300 for 40Us
or 8 SR-300 for 32Us

Uses less floor space

Low cost per occupied area

100% front access - install anywhere

Vertical cable management

Support proper bend radius of fibers

Enough space to fit and operate
fibers safely
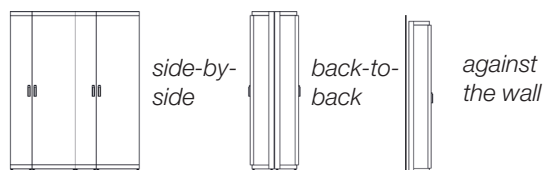
Enables IMACs (Installation, Move,
Add, Change)

Corrosion resistant

Security door with locking options

Greater internal space

Installation

side-by-side

back-to-back

against the wall

Technical Specification

Useful height (Us)	40 or 32
WxHxD (mm)	300x2200x300
	300x1800x300
Weight (Kg)	72 or 59

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Details

Door pin

Cremone Clasp

Door latch

Support with rails

Rosenberger

SR-300

FOCUX SOLUTION

Splicing, Patching and Transition

Capacity up to 48 FO

Maximum capacity up to 2 modules of 12 or 24 FO

Internal cable operation 100% front with movable tray

Front cable guide for cord organization

Installation kit

Corrosion resistant

Installation

FTH-300

Versions

E3 CROSS CONNECT ESPELHAMENTO

EF EASY FUSION

HIGH POWER 4.5W SOLUTION

HIGH PERFORMANCE 0.1dB SOLUTION

Technical Specification

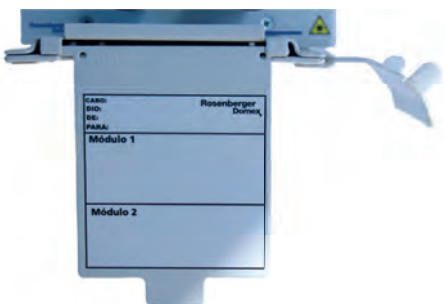|	
Useful height (Us)	4
WxHxD (mm)	178x177x297
Approximate weight (Kg)	2.3
Capacity	Angular Module: Up to 24 FO - SC/SX, E2000/SX, LC/SX or LC/DX MTP module: Up to 48 FO - LC/QX and MTP/MPO Straight Module: Up to 48 FO (mirror only) - LC/QX

Available in colors:
Light Gray RAL 7035
Black RAL 9005
Other colors on request

Details

Route guide
Version - Apr 2022

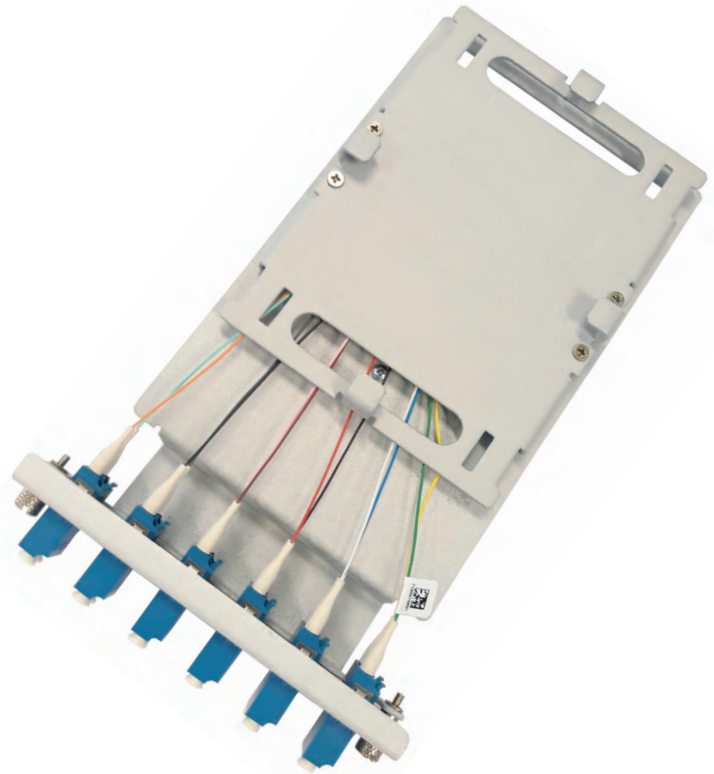**Side cable entry**

Rosenberger

FOCUX
SOLUTION

Accommodation, organization, and protection of up to 12 FO

Front panel with numeric identification

Storage of loose tube waste in the tray itself

Cassette to fit optical fusions

Mouting using thumb screws

Installation

SR-900
SR-600
SR-300

Versions

EF EASY FUSION

HIGH POWER 4.5W SOLUTION

HIGH PERFORMANCE 0.1dB SOLUTION

Technical Specification

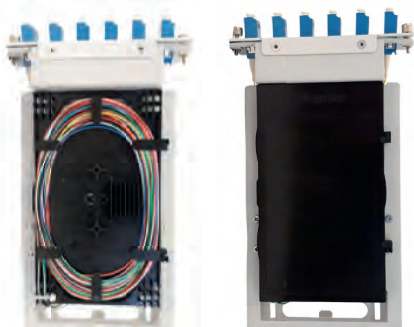|	
Useful height (Us)	3
WxHxD (mm)	42x132x216
Approximate weight (Kg)	0.3
Capacity	Up to 12 FO (Angular) SC/SX, E2000/SX, LC/SX or LC/DX Up to 24 FO (Straight) LC/QX

Available in colors:
■ **Light Gray RAL 7035**
■ **Black   RAL 9005**
Other colors on request

Details

Splicing

Rosenberger

Angular Module Cross Connect

FOCUX SOLUTION
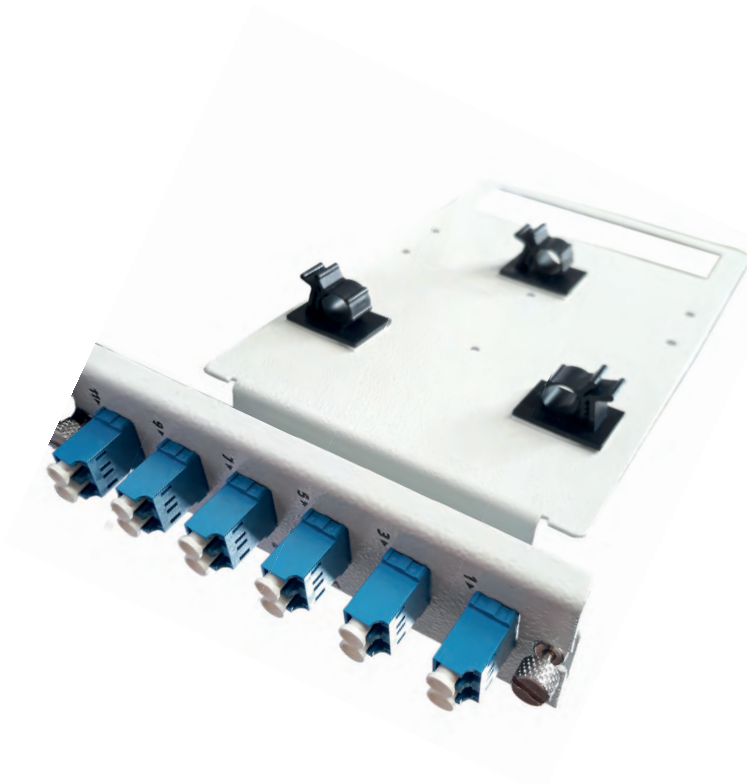
Accommodation, organization, and protection of up to 12 FO

Front panel with numeric identification

Mouting using thumb screws

Installation

SR-900

SR-600

SR-300

Versions

CROSS CONNECT ESPELHAMENTO

HIGH POWER
4.5W SOLUTION

HIGH PERFORMANCE
0.1dB SOLUTION

Technical Specification

Useful height (Us)	3
WxHxD (mm)	42x132x216
Approximate weight (Kg)	0.3
Capacity	Up to 12 FO SC/SX, E2000/SX, LC/SX or LC/DX

Available in colors:
■ **Light Gray RAL 7035**
■ **Black   RAL 9005**
Other colors on request

Details

Patching

Rosenberger

Straight Module Cross Connect

FOCUX SOLUTION

Accommodation, organization, and protection of up to 24 FO

Front panel with numeric identification

Mouting using thumb screws

Installation

SR-900
SR-600
SR-300

Versions

E3 CROSS CONNECT ESPELHAMENTO

HIGH POWER 4.5W SOLUTION

HIGH PERFORMANCE 0.1dB SOLUTION

Technical Specification

Useful height (Us)	3
WxHxD (mm)	42x132x1,5
Approximate weight (Kg)	0.3
Capacity	Up to 24 FO LC/QX

Available in colors:
■ **Light Gray RAL 7035**
■ **Black   RAL 9005**
Other colors on request

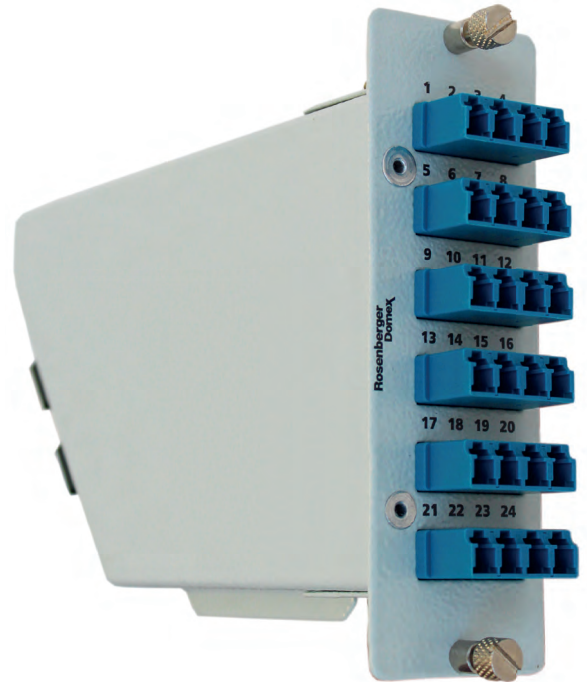## Details

Side

Rosenberger

MTP Module

Accommodation, organization, and protection of up to 24 FO

Front panel with numeric identification

Module assembled with MTP/MPO optical adapters (male or female) connected via mini Harness

Mounting with screws

Installation

SR-900

SR-600/601

SR-300

Technical Specification

Useful height (Us)	3
WxHxD (mm)	42x132x167
Approximate weight (Kg)	0.3
Capacity	Up to 12 FO - LC/DX and MTP/MPO
	Up to 24 FO - LC/QX and MTP/MPO

## Details

MTP detail

Rosenberger

RACKS | SUBRACKS | MODULES

The Vertux product family is designed with flexibility in mind. It allows for modular assembly of the rack, adapting to the customer's needs and ensuring the possibility of future expansion of the entire infrastructure. The products have reduced dimensions, with the capacity to support a higher density of fiber connections, fully compatible with the various versions and models of the solution.

The entire installation takes into account the saving of physical space with the integration of patch modules, splitters, and WDM in a single set, in a safe way, with easy handling and routing identification. This layout guarantees a clean and unobstructed installation, one of the most important aspects to be considered when implementing a fiber management solution in a data center with the focus on making IMACs easier.

APPLICATIONS: FTTX | DATACENTERS | TELECOMMUNICATIONS

INSTALLATION:

side-by-side   *back-to-back*   *against the wall*

Rosenberger

VTH-1200

VERTUX SOLUTION
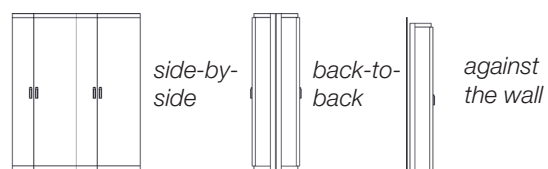
Capacity up to 1008 fibers

Capacity up to 7 SV-DGO

Cable management supporting proper fiber bend radius for proper cord handling with full control of the radius curvature of the fibers

Management of cable ties to plates with positioning adjustment

Allows modularity

100% front access - mounts anywhere

Rounded cable mandrels for better cable support

Enough space to fit and operate fibers safely

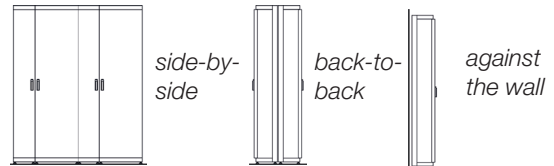*Enables IMACs (Installation, Move, Add, Change)*

Corrosion resistant

Cabinet door with multiple security solutions

Secure side cabinet doors

Steel door or acrylic cover

Custom front cover (optional)

Installation

side-by-side   back-to-back   against the wall

Technical Specification

Useful height (Us)	45
WxHxD (mm)	1200x2200x300
Weight (Kg)	120

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Details

Fingers   *Tubes*   *Cable board*   *Base and pin of the door*   *Magnet to fix doors*

Version - Apr 2022

Rosenberger

VTH-600 - Central

VERTUX SOLUTION

Capacity up to 1008 fibers

Capacity up to 7 SV-DGO

Allows modularity

100% front access - install anywhere

Side openings for passing strands

Support proper bend radius of fibers

Enough space to fit and operate fibers safely

Column silkscreen with marking of U units on 19" fixation

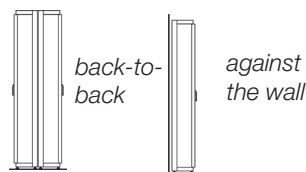Enables IMACs (Installation, Move, Add, Change)

Corrosion resistant

Security door with locking options

Steel door or acrylic cover

Installation

back-to-back

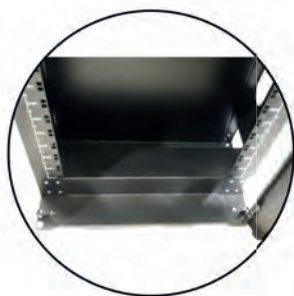against the wall

Custom front cover (optional)

Customer logo   Rosenberger

Technical Specification

Useful height (Us)	45
WxHxD (mm)	600x2200x300
Weight (Kg)	60

Available in colors:
- Light Gray RAL 7035
- Black   RAL 9005

Other colors on request

Details

Door base and pin

Openings Side

Screen printing of U units

Version - Apr 2022

Rosenberger

VTC-300 - Cables

VERTUX SOLUTION

Lateral organizer for proper cable handling with full control of the radius curvature of the fibers

Plastic fingers for cord routing

Side openings for passing strands

Allows modularity

100% front access - install anywhere
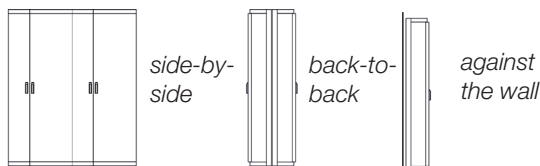
Support proper bend radius of fibers

Enough space to fit and operate fibers safely

Corrosion resistant

Column with magnet-mounted cap

Installation

side-by-side

back-to-back

against the wall

Technical Specification

Useful height (Us)	45
WxHxD (mm)	300x2200x300
Weight (Kg)	30

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Details

Cable board	**Base and pin of the door**	**Fingers**	**Openings sides**	**Base**

Version - Apr 2022

Rosenberger

VTJ-300 - Jumpers

VERTUX
SOLUTION

Cable management supporting proper fiber bend radius for proper fiber handling with total control of the curvature radius

Plastic fingers for cord routing

Side and bottom rear openings for cords

Allows modularity

100% front access - install anywhere
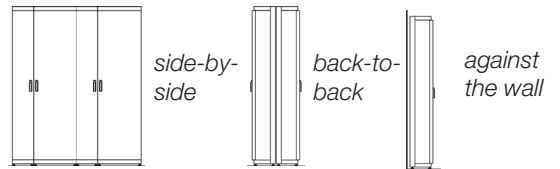
Support proper bend radius of fibers

Enough space to fit and operate fibers safely

Corrosion resistant

Column with magnet-mounted cap

Installation

side-by-side

back-to-back

against the wall

Technical Specification

Useful height (Us)	45
WxHxD (mm)	300x2200x300
Weight (Kg)	30

Available in colors:
- Light Gray RAL 7035
- Black RAL 9005

Other colors on request

Details

Cable board

Base and pin of the door

Fingers

Side and bottom rear openings

Tubes

Version - Apr 2022

Rosenberger

SV-DGO Fusion and SV-DGO Splitter

VERTUX SOLUTION

Splicing, Splitter, and WDM

Capacity up to 144 FO

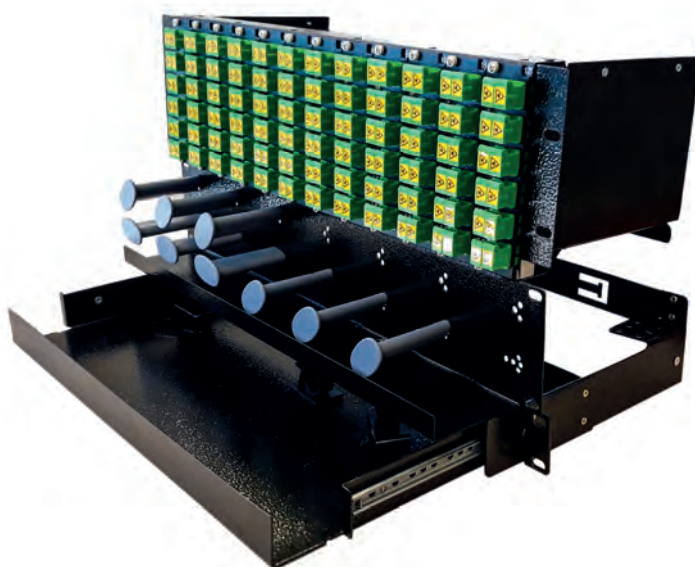*Option of installing up to 12 Splicin, Splitter, and up to 6 WDM modules*

Front cable guide for optical cord organizations

Loose tube leftover tray for handling and technical leftover fibers

Protective tube to maintain the ideal curvature radius of the tube loose

Installation kit

Corrosion resistant

Installation

VTH-1200
VTH-600

Version

EASY FUSION

Technical Specification

Useful height (Us)	6
WxHxD (mm)	483x280x267
Approximate weight (Kg)	6.4
Capacity	144 FO

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Rosenberger
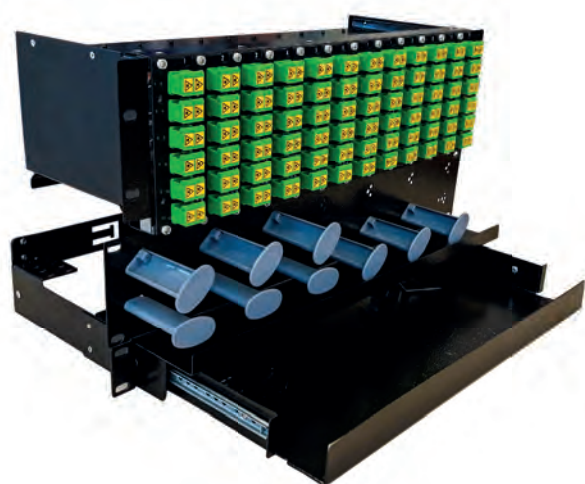
SV - DGO Cross Connect

Cross connect

Capacity up to 144 FO

Option of installing up to 12 Patching Modules

Front cable guide for optical cord organizations

Installation kit

Corrosion resistant

Installation

VTH-1200

VTH-600

Version

Technical Specification

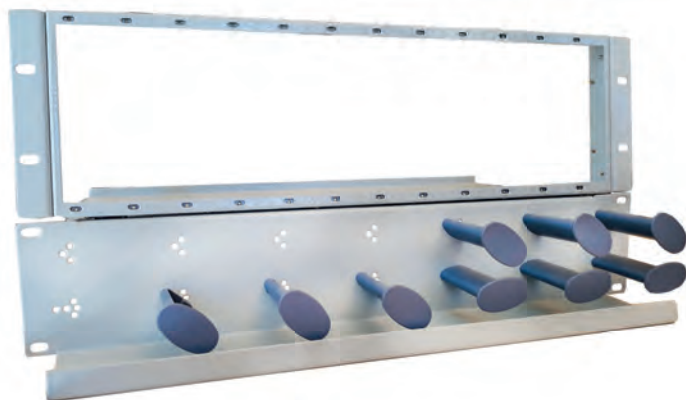|	
Useful height (Us)	5
WxHxD (mm)	483x223x280
Approximate weight (Kg)	4.5
Capacity	144 FO

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Rosenberger

SV Card - Splicing

Splicing

Capacity up to 12 FO

*Front panel with
numeric identification*

*Cassette to fit
optical splicin
Mounting with screws*

Installation

SV-DGO Splicing

Versions

EF EASY FUSION

HIGH POWER 4.5W SOLUTION

HIGH PERFORMANCE 0.1dB SOLUTION

Technical Specification

Useful height (Us)	3
WxHxD (mm)	35x129x190
Approximate weight (Kg)	0.2
Capacity	Up to 12 FO SC/SX, E2000/SX, LC/SX and LC/DX

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Rosenberger

SV Card - Cross Connect

VERTUX
SOLUTION

Cross connect

Capacity up to 12 FO

Front panel with numeric identification

Mounting with screws

Installation

SV-DGO Patching

Versions

E3
CROSS CONNECT
ESPELHAMENTO

Technical Specification

Useful height (Us)	3
WxHxD (mm)	35x129x1.5
Approximate weight (Kg)	0.1
Capacity	Up to 12 FO - SC/SX, E2000/SX, LC/SX and LC/DX

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Rosenberger

SV Card - Splitter

VERTUX SOLUTION

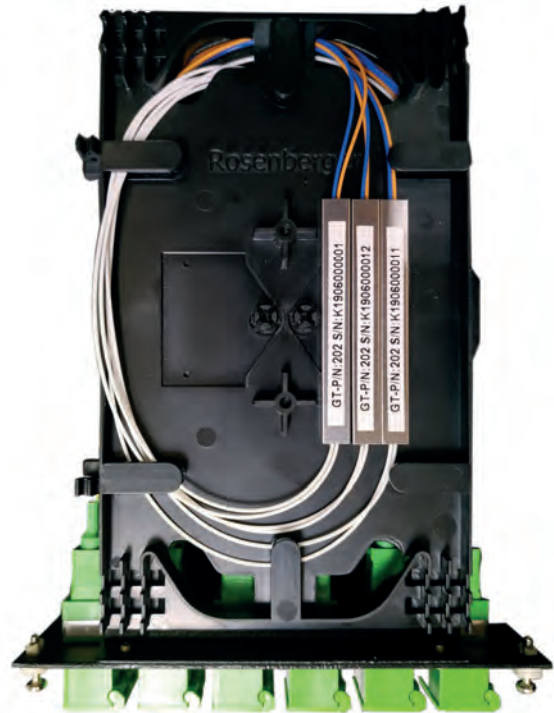*Capacity up to 12 FO*

Front panel with numeric identification

Cassette to fit splitters

Mounting with screws

Installation

SV-DGO Splitter
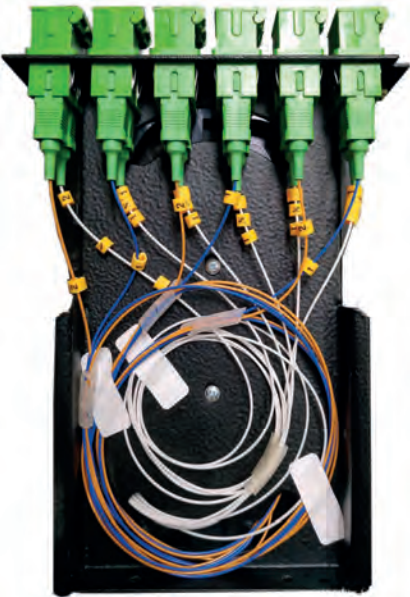
Technical Specification

Useful height (Us)	3
WxHxD (mm)	35x129x190
Approximate weight (Kg)	0.2
Capacity	Up to 12 FO - SC/SX, E2000/SX, LC/SX and LC/DX

Available in colors:
◻ **Light Gray RAL 7035**
◼ **Black   RAL 9005**
Other colors on request

Rosenberger

SV Card - WDM

VERTUX
SOLUTION

Capacity up to 24 FO (Double panel)

*Front panel with
numeric identification*

*Accommodation, organization, and
WDM protection*

Mounting with screws
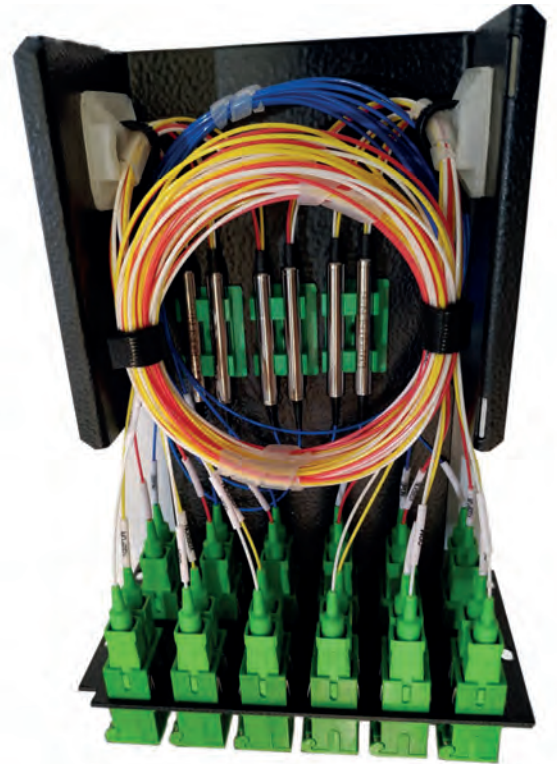
Installation

SV-DGO Splicing

Technical Specification

Useful height (Us)	3
WxHxD (mm)	70x129x190
Approximate weight (Kg)	0.2
Capacity	Up to 24 FO - SC/SX and LC/DX

Available in colors:
■ **Light Gray RAL 7035**
■ **Black   RAL 9005**
Other colors on request

Details

WDM 12 FO

Rosenberger
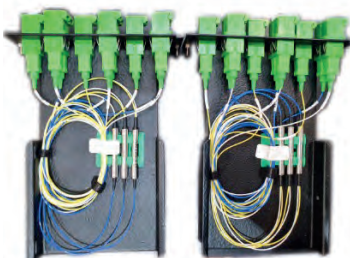
Open Rack 93

19" rack with side columns for cable reservation

Top and bottom guides for cable routing from left to right

Top and bottom cable entry

Cable management supporting proper fiber bend radius for proper cord handling with full control of the radius of curvature of fibers

Removable and modular rack

Enables IMACs (Installation, Move, Add, Change)

Corrosion resistant

Installation

side-by-side   back-to-back   against the wall

Technical Specification

Useful height (Us)	40
WxHxD (mm)	952x2095x300
Weight (Kg)	60

Available in colors:
▪ **Light Gray RAL 7035**
▪ **Black   RAL 9005**
Other colors on request

Rosenberger

94D Open Rack

19" rack with side cable reserve organizer

Cable management supporting proper fiber bend radius for proper handling of fibers with full control of the radius of curvature
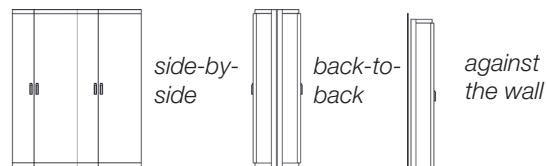
Removable and modular rack

Front and removable cover of the organizer fixed by magnet

Enables IMACs (Installation, Move, Add, Change)

Corrosion resistant

Installation

side-by-side   back-to-back   against the wall
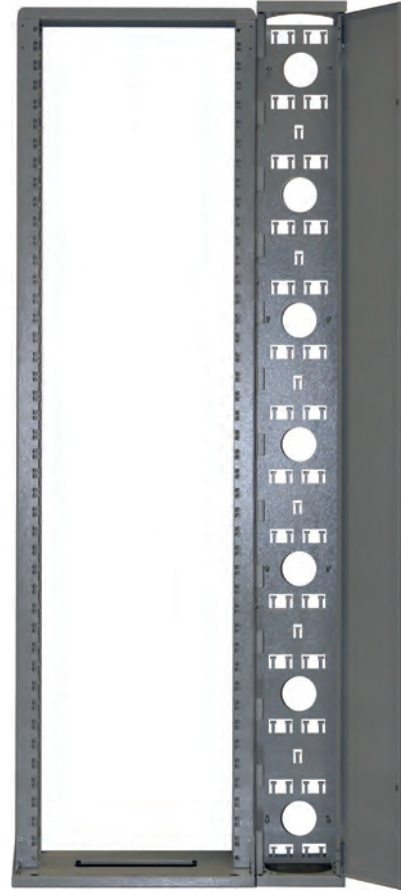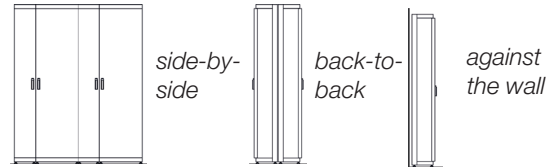
Technical Specification

Useful height (Us)	40
WxHxD (mm)	750x2000x300
Weight (Kg)	37

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Details
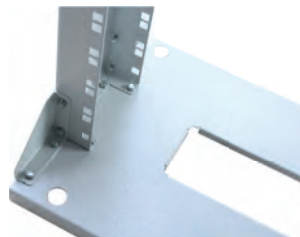
Top cable entry   **Fixing base**   **Lower cable entry**   **Front cover**

Rosenberger

Rack 110

19" rack with door front with acrylic display

Front door with yale lock

Front cable guide on the right and left sides

Background rulers

Side strips for cable tying

Base with 4 side blind covers

For indoor environments

Enables IMACs (Installation, Move, Add, Change)

Corrosion resistant

Installation

side-by-side

back-to-back

against the wall
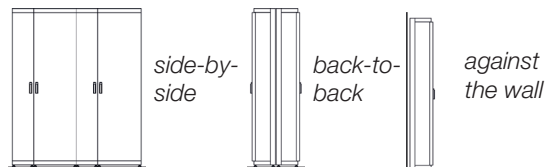
Technical Specification

Useful height (Us)	44
WxHxD (mm)	600x2200x600
Weight (Kg)	70

Available in colors:
■ **Light Gray RAL 7035**
■ **Black   RAL 9005**
Other colors on request

Rosenberger

Optical Intermediate Distributors

Optical Intermediate Distributors, commonly known by the acronym DIO, are physical interfaces developed to support optical routes. They are used to migrate fibers from one point to another through different types of connections. They can fit cassettes to support spliced fibers or to support patch or transition cable assemblies.

DIO INTERCON II - the best-seller!

DIO INTERCON II - High Power 4.5 W

AVAILABLE VERSIONS:

APPLICATIONS: FTTX | DATACENTERS | TELECOMMUNICATIONS

Rosenberger

DIO Intercon II

DIO Intercon II

- *Splicing or Patching*
- *Capacity up to 48 FO*
- *Retractable front cover*
- *Mounted with panels for adapters*
- *Assembled with splice trays, pigtails, and splice protectors in the fusion version*
- *Installation kit*
- *Drawer-type tray with telescopic rail and 250 mm opening*
- *Reserve for spare loose tube*
- *Mounting L with depth adjustment*
- *Rear cable entry with cable lock*
- *Corrosion resistant*

Installation

19" Racks and Frames
23" Racks and Frames
(21" on demand)

Versions

E3 CROSS CONNECT ESPELHAMENTO

EF EASY FUSION

HIGH POWER 4.5W SOLUTION

HIGH PERFORMANCE 0.1dB SOLUTION

Technical Specification

Useful height (Us)	1
WxHxD (mm)	483x43x348
Approximate weight (Kg)	3.6
Capacity	Up to 24 FO - ST or FC
	Up to 36 FO – SC/SX, E2000/SX, LC/SX or LC/DX
	Up to 48 FO – LC/DX and E2000/DX

Available in colors:
Light Gray RAL 7035
Black RAL 9005
Other colors on request

Details

Cable entry rear

Side cord outlet

Rosenberger

DIO Intercon III

DIO Intercon III

- Splicing or Patching
- Capacity up to 48 FO
- Retractable front cover
- Mounted with panels for adapters
- Assembled with splice trays, pigtails, and splice protectors in the fusion version
- Installation kit
- Drawer-type tray with telescopic rail and 250 mm opening
- Reserve for spare loose tube
- Mounting L with depth adjustment
- Rear cable entry with cable lock
- Corrosion resistant

Installation

19" Racks and Frames
(21" and 23" on demand)

Versions

CROSS CONNECT ESPELHAMENTO

HIGH POWER 4.5W SOLUTION

EASY FUSION

HIGH PERFORMANCE 0.1dB SOLUTION

Technical Specification

Useful height (Us)	1
WxHxD (mm)	483x43x338
Approximate weight (Kg)	3,6
Capacity	Up to 24 FO – ST ou FC
	Up to 36 FO – SC/SX, SC/DX, E2000/SX, LC/SX ou LC/QX
	Up to 48 FO – LC/DX e E2000/DX

Available in colors:
Light Gray RAL 7035
Black RAL 9005
Other colors on request

Details

DIO Mobi
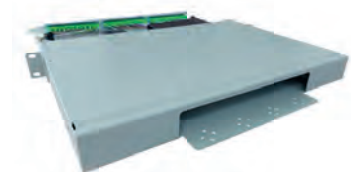
Made of ABS - Lightweight, durable and resistant

Splicing or Patching

Capacity up to 72 FO

Articulation up to 45º

Assembled with splice trays, pigtails, and splice protectors in the fusion version

Easy handling

Up to 6 cables with splice support

Reserve for spare loose tube

Mounting L with depth adjustment

Corrosion resistant

Does not require robust rack structure

Installation

19" Racks and Frames
(21" and 23" on demand)

Versions

Technical Specification

Useful height (Us)	1
WxHxD (mm)	485x43x422
Approximate weight (Kg)	1,6
Capacity	Up to 36 FO – ST, FC, SC/SX, E2000/SX e LC/SX
	Up to 72 FO – SC/DX, LC/SX e LC/DX
	Up to 96 FO – LC/QX
	24 adapters MTP/MPO24

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Details
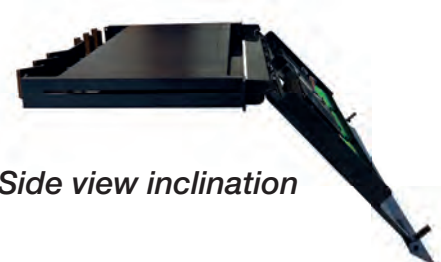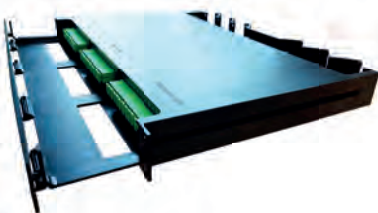
Side view inclination

Rosenberger

DIO Flex

Splicing or Patching

Capacity up to 12 FO

Folding tray

Mounted with 1 panel for adapters

Assembled with splice trays, pigtails, and splice protectors in the fusion version

Installation kit

Corrosion resistant

Installation

19" Racks and Frames

Versions

Technical Specification

Useful height (Us)	1
WxHxD (mm)	483x43x275
Approximate weight (Kg)	0.8
Capacity	Up to 12 FO - SC/SX, E2000/SX, LC/SX or LC/DX

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Details

Front route guide

Cord fitting

Rosenberger

DIO Office

Splicing or Patching

Capacity up to 96 FO

Assembled with splice trays, pigtails, and splice protectors in the fusion version

Installation kit

Drawer-type tray with telescopic rail and 250 mm opening

Reserve for spare loose tube

Mounting L with depth adjustment

Rear cable entry with cable lock

Corrosion resistant

Installation

19" Racks and Frames
23" Racks and Frames
(21" on demand)

Versions

CROSS CONNECT ESPELHAMENTO

HIGH POWER 4.5W SOLUTION

EASY FUSION

HIGH PERFORMANCE 0.1dB SOLUTION

Technical Specification

Useful height (Us)	1
WxHxD (mm)	483x43x335
Approximate weight (Kg)	3.8
Capacity	Up to 36 FO - ST, FC, SC/SX, E2000/SX or LC/SX
	Up to 48 FO - SC/DX, E2000/DX or LC/DX
	Up to 96 FO - LC/QX (patching only)

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Details

Pigtails fitting
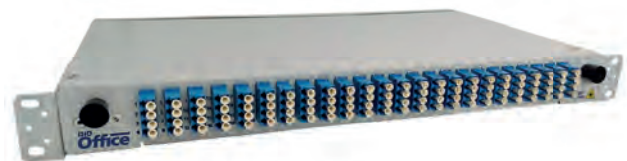
Front panel 96FO

Rear output

Rosenberger

DIO Eco72

Splicing, Patching and Transition

Capacity up to 72 FO

Retractable front cover

Mounted with panels for adapters

Assembled with splice trays, pigtails, and splice protectors in the fusion version

Installation kit

Drawer-type tray with telescopic rail and 250 mm opening

Reserve for spare loose tube

Mounting L with depth adjustment

Rear cable entry with cable lock

Corrosion resistant

Installation

19" Racks and Frames
23" Racks and Frames
(21" on demand)

Versions

Technical Specification

Useful height (Us)	1
WxHxD (mm)	483x43x324
Approximate weight (Kg)	3.4
Capacity	Up to 24 FO – E2000/SX, Up to 36 FO – ST, FC, SC/SX, SC/DX or E2000/DX Up to 72 FO – LC/DX or LC/QX MTP module (has the same capabilities)

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Details
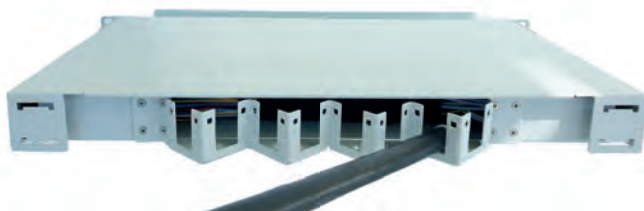
Rear output

Pigtails fitting

Version - Apr 2022

Rosenberger

Patching panel

Capacity up to 96 FO

Front panel with numeric identification

Easy organization of strands through patch ing system

Installation kit

Corrosion resistant

Installation

19" Racks and Frames
(21" and 23" on demand)

Versions

CROSS CONNECT
ESPELHAMENTO

Technical Specification

Useful height (Us)	1
WxHxD (mm)	483x43x10
Approximate weight (Kg)	0.3
Capacity	Up to 36FO – SC/SX or E2000/SX
	Up to 48FO – SC/DX
	Up to 96FO - LC/QX

Available in colors:
■ **Light Gray RAL 7035**
■ **Black   RAL 9005**
Other colors on request

Details

Side

Rosenberger

Slim Panel

Painel SLiM

Patching

Capacity up to 96 FO

Mounted with panels for adapters

Installation kit

Rear cable entry with cable lock

Corrosion resistant

Installation

19" Racks and Frames
(21" and 23" on demand)

Versions

CROSS CONNECT
ESPELHAMENTO

Technical Specification

Useful height (Us)	2
WxHxD (mm)	483x87x221
Approximate weight (Kg)	0.8
Capacity	Up to 36 FO ST, FC, SC/SX, E2000/SX, or LC/SX
	Up to 48 FO - SC/DX
	Up to 96 FO LC/QX

Available in colors:

Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Details

Side

Top view

Rosenberger

DIO Office Double

- Splicing or Patching
- Capacity up to 72 FO
- Retractable front cover
- Mounted with panels for adapters
- Assembled with splice trays, pigtails, and splice protectors in the fusion version
- Installation kit
- Drawer-type tray with telescopic rail and 325 mm opening
- Reserve for spare loose tube
- Mounting L with depth adjustment
- Rear cable entry with cable lock
- Corrosion resistant

Installation

19" Racks and Frames
23" Racks and Frames
(21" on demand)

Versions

E3 CROSS CONNECT ESPELHAMENTO

EF EASY FUSION

HIGH POWER 4.5W SOLUTION

HIGH PERFORMANCE 0.1dB SOLUTION

Technical Specification

Useful height (Us)	2
WxHxD (mm)	483x87x390
Approximate weight (Kg)	4.4
Capacity	Up to 72 FO ST, FC, SC/SX, SC/DX, and E2000/SX, LC/SX or LC/DX

Available in colors:
■ **Light Gray RAL 7035**
■ **Black RAL 9005**
Other colors on request

Details

Front route guide

Rear output

Pigtail fitting

Rosenberger

Slim Panel 144

Patching

Capacity up to 144 FO

Mounted with panels for adapters

Installation kit

*Rear cable entry
with cable lock*

Acrylic route guide panel (optional)

Corrosion resistant

Installation

19" Racks and Frames
(21" and 23" on demand)

Versions

Technical Specification

Useful height (Us)	4
WxHxD (mm)	483x177x312 (with route guide panel) 483x177x282 (withoutroute guidepanel)
Approximate weight (Kg)	1.5
Capacity	Up to 144 FO - SC/SX, E2000/SX, LC/SX or LC/DX

Available in colors:
■ **Light Gray RAL 7035**
■ **Black   RAL 9005**
Other colors on request

Details

Cable fitting

Rosenberger

DIO Infinity
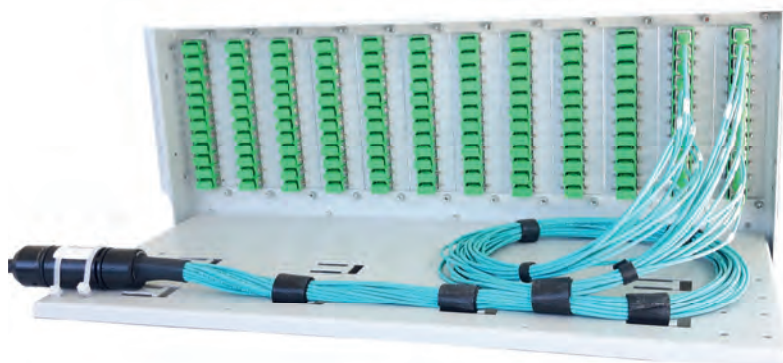
Patching

Capacity up to 144 FO

Metal front and rear cover

Mounted with panels for adapters

Possibility of installing up to 12 modules with numerical identification fixed by plastic rivets

Installation kit

Side cable entry with cable lock

Corrosion resistant

Installation

19" Racks and Frames
(21" and 23" on demand)

Versions

E3 CROSS CONNECT ESPELHAMENTO

HIGH POWER 4.5W SOLUTION

HIGH PERFORMANCE 0.1dB SOLUTION

Technical Specification

Useful height (Us)	4
WxHxD (mm)	483x177x297
Approximate weight (Kg)	6
Capacity	Up to 100 FO - ST, FC, SC/SX, SC/DX, E2000/SX, LC/SX, or LC/DX Up to 144 FO - ST, FC, SC/SX, SC/DX, E2000/SX, LC/SX, or LC/DX

Available in colors:
▢ **Light Gray RAL 7035**
■ **Black   RAL 9005**
Other colors on request

Details

Side view cable entry

Open rear view

Cable guides

Version - Apr 2022

Rosenberger

DIO Atlas II

DIO Atlas II

Splicing or Patching

Capacity up to 144 FO

Acrylic front cover

Mounted with panels for adapters

Possibility of installing up to 12 modules with numerical identification fixed by plastic rivets

Installation kit

Comes with spare tray for leftover strings or loose tube

Corrosion resistant

Installation

19" Racks and Frames
23" Racks and Frames
(21" on demand)

Versions

E3 CROSS CONNECT ESPELHAMENTO

EASY FUSION

HIGH POWER SOLUTION 4.5W

HIGH PERFORMANCE SOLUTION 0.1dB

Technical Specification

Useful height (Us)	4
WxHxD (mm)	483x177x412
Approximate weight (Kg)	2.0
Capacity	Up to 144 FO - SC/SX, E2000/SX, LC/SX, or LC/DX

Available in colors:
■ **Light Gray RAL 7035**
■ **Black RAL 9005**
Other colors on request

Details

Acrylic front route guide

Rosenberger

Modular panels

DIO Atlas III

DIO Atlas III

- *Splicing or Patching*
- *Capacity up to 144 FO*
- *Acrylic front cover*
- *Mounted with panels for adapters*
- *Possibility of installing up to 12 modules with numerical identification mounted by thumb screws*
- *Installation kit*
- *Accompanies reserve tray for leftover cords or loose tube*
- *Corrosion resistant*

Installation

19" Racks and Frames
(21" and 23" on demand)

Versions

E3 CROSS CONNECT ESPELHAMENTO

EF EASY FUSION

HIGH POWER 4.5W SOLUTION

HIGH PERFORMANCE 0.1dB SOLUTION

Technical Specification

Useful height (Us)	4
WxHxD (mm)	483x177x393
Approximate weight (Kg)	2.0
Capacity	Up to 96 FO – SC/SX, E2000/SX, LC/SX, or LC/DX

Available in colors:
- Light Gray RAL 7035
- Black RAL 9005
- *Other colors on request*

Details

Rear view

Version - Apr 2022

Rosenberger

Splicing or Patching

Capacity up to 144 FO
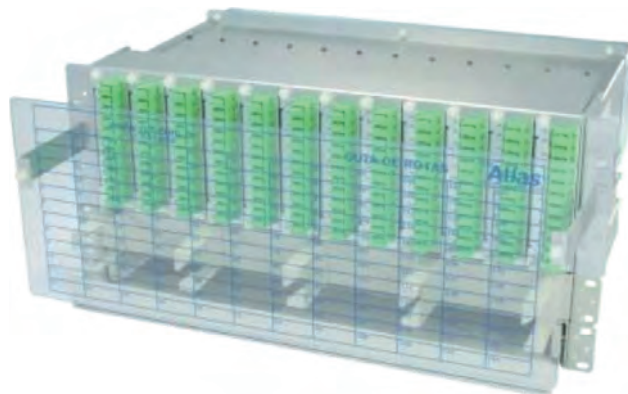
Metal front cover

Mounted with panels for adapters

Possibility of installing up to 12 modules with numerical identification fixed by plastic rivets

Installation kit

Side cable entry with cable lock

Corrosion resistant

Installation

19" Racks and Frames
(21" and 23" on demand)

Versions

E3 CROSS CONNECT ESPELHAMENTO

HIGH POWER 4.5W SOLUTION

EASY FUSION EF
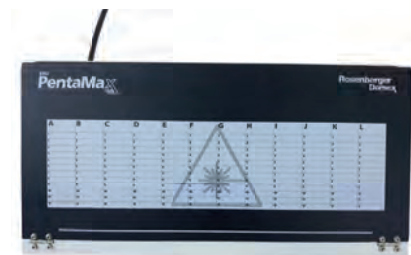
HIGH PERFORMANCE 0.1dB SOLUTION

Technical Specification

Useful height (Us)	5
WxHxD (mm)	483x222x307
Approximate weight (Kg)	5.5
Capacity	Up to 144 FO - ST, FC, SC/SX, SC/DX, E2000/SX, LC/SX, or LC/DX

Available in colors:
Light Gray RAL 7035
Black RAL 9005
Other colors on request

Details

Pigtails fitting
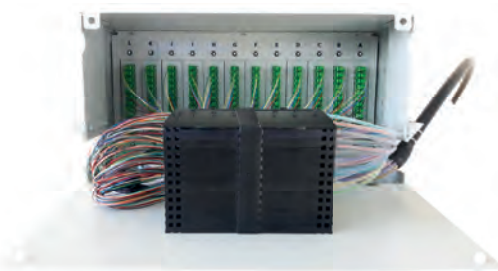
Cassette accommodation

Side entrance

Version - Apr 2022

Rosenberger

19" Blind Panel

Closes the intervals between equipment

Installation kit

Corrosion resistant

Installation

19" Racks and Frames
(21" and 23" on demand)

Technical Specification

Useful height (Us)	1
WxHxD (mm)	483x43x10
Approximate weight (Kg)	0.3

Available in colors:
■ **Light Gray RAL 7035**
■ **Black   RAL 9005**
Other colors on request

Cable Guide Panel

Convenient organization of optical cords

Installation kit

Corrosion resistant

Installation

19" Racks and Frames
(21" and 23" on demand)

Technical Specification

Useful height (Us)	1
WxHxD (mm)	483x43x70
Approximate weight (Kg)	0.3

Available in colors:
■ **Light Gray RAL 7035**
■ **Black   RAL 9005**
Other colors on request

Rosenberger

Cable Guide Panel 1U

*Convenient organization
of the optical cords*

Front cover

Plastic fingers

Installation kit

Corrosion resistant

Installation

Racks 19"

Technical Specification

Useful height (Us)	1
WxHxD (mm)	483x43x114
Approximate weight (Kg)	0,2

Available in color:

◼ **Black**   **RAL 9005**

Details

Top view

Rosenberger

Accessories for DIOs

Cable Guide Panel 2U

*Convenient organization
of the optical cords*

Front cover

Plastic fingers

Installation kit

Corrosion resistant

Installation

Racks 19"

Technical Specification	
Useful height (Us)	2
WxHxD (mm)	483x86x114
Approximate weight (Kg)	0,3

Available in color:

■ Black   RAL 9005

Details

Top view

Rosenberger

Loose Tube Slack Storage Drawer

Version - Apr 2022

40 meters of spare capacity

Stores, organizes, and protects loose tube slack storage

250 mm opening of the splice drawer via detachable telescopic rail

Mounting "L" with depth setting

Installation kit

Corrosion resistant

Installation

19" Racks and Frames
23" Racks and Frames
(21" on demand)

Technical Specification

Useful height (Us)	1
WxHxD (mm)	483x43x366
Approximate weight (Kg)	3.7
Capacity (m)	40

Available in colors:
■ Light Gray RAL 7035
■ Black   RAL 9005
Other colors on request

Details

Open tray

Front organizer

Rosenberger
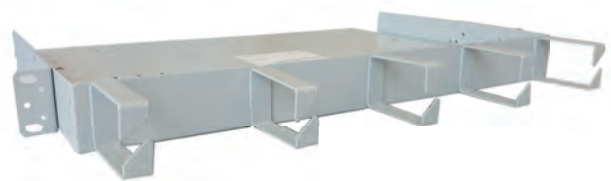
Patch Cord Storage Drawer
Standard - with cover and rail

55 meters of spare capacity

*Stores, organizes, and protects
slack storage cords*

*250 mm opening of the splice drawer via
detachable telescopic rail*

Mounting "L" with depth setting

Installation kit

Corrosion resistant

Installation

19" Racks and Frames
23" Racks and Frames
(21" on demand)

Technical Specification

Useful height (Us)	1
WxHxD (mm)	482x43x351
Approximate weight (Kg)	1.7
Capacity (m)	55

Available in colors:
■ **Light Gray RAL 7035**
■ **Black   RAL 9005**
Other colors on request

Details

Front and rear lanyard entry

Open tray

Rosenberger
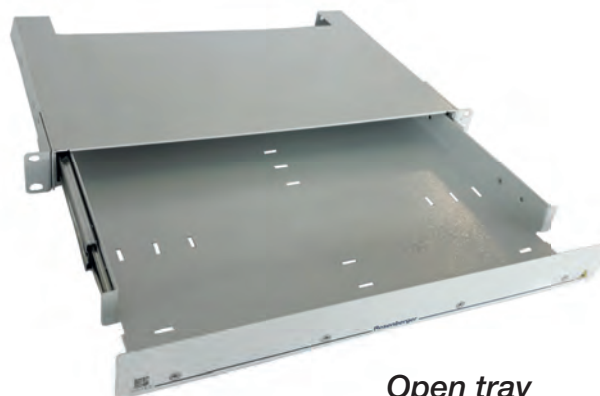
Patch Cord Storage Drawer
Basic - without cover and with rail

55 meters of spare capacity

Stores, organizes, and protects slack storage cords

250 mm opening of the splice drawer via detachable telescopic rail

Mounting "L" with depth setting

Installation kit

Corrosion resistant

Installation

19" Racks and Frames
23" Racks and Frames
(21" on demand)

Technical Specification

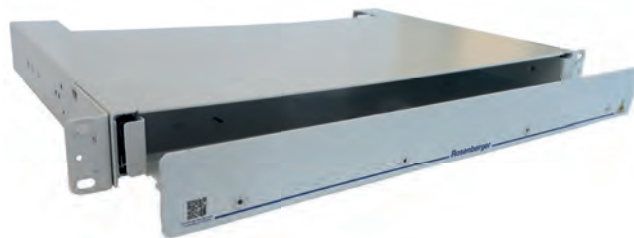|	
Useful height (Us)	1
WxHxD (mm)	482x43x352
Approximate weight (Kg)	2.5
Capacity (m)	55

Available in colors:
☐ **Light Gray RAL 7035**
■ **Black RAL 9005**
Other colors on request

Details

Open drawer

Rosenberger

Patch Cord Storage Drawer

Fixed - without cover and without rail

55 meters of spare capacity

Stores, organizes, and protects slack storage cords

Fixed drawer

Installation kit
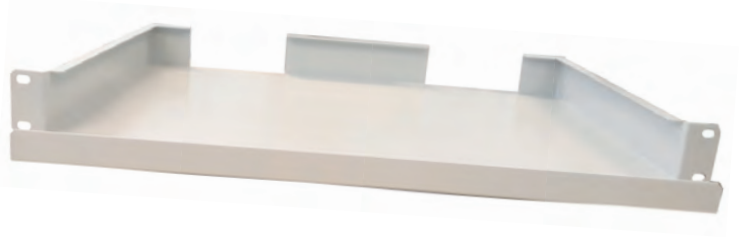
Corrosion resistant

Installation

19" Racks and Frames
(21" and 23" on demand)

Technical Specification

Useful height (Us)	1
WxHxD (mm)	482x43x345
Approximate weight (Kg)	2.0
Capacity (m)	55

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Rosenberger

DIO Domus

DOMUS

Capacity up to 16 FO

Movable front cover

Internal panel with numerical identification

*Rear compartment to
fit Pigtails, Loose Tube,
Splitters and Optical Fusions*

Installation kit

Corrosion resistant

Installation

Indoor wall

Technical Specification

WxHxD (mm)	130x222x46
Approximate weight (Kg)	0.9
Capacity	Up to 16 FO - SC/DX or LC/QX

Available in colors:
▢ **Light Gray RAL 7035**
◼ **Black   RAL 9005**
Other colors on request

Rosenberger

Mini DIO

Splicing or Patching

Capacity up to 12 FO

Front panel with numeric identification

Internal compartment to fit Pigtails, Loose Tube, Splitters and Optical Fusions

Installation kit

Corrosion resistant

Installation

Indoor wall
DIN Rail

Versions

Technical Specification

WxHxD (mm)	128x128x44
Approximate weight (Kg)	0.8
Capacity	Up to 6 FO - ST or FC
	Up to 12 FO - SC/SX, E2000/SX, LC/SX, or LC/DX

Available in colors:
- Light Gray RAL 7035
- Black RAL 9005

Other colors on request

Details

Pigtails fitted on the cassette

Template for patching

Panel front

Rosenberger

TOA-12

Splicing

Capacity up to 12 FO

It has two inlets and outlets at the top and bottom with sealing rubber for optical cables

Hinged lid for fiber protection

Installation kit

Corrosion resistant

Installation

Indoor wall

Version

EF
EASY FUSION

Technical Specification

WxHxD (mm)	109x186x30
Approximate weight (Kg)	0.4
Capacity	Up to 12 FO

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

Rosenberger

TOA-48

Splicing

Capacity up to 48 FO

It has two inlets and outlets at the top and bottom with sealing rubber for optical cables

Hinged lid for fiber protection

Installation kit

Corrosion resistant

Installation
Indoor wall

Version

EF EASY FUSION

Technical Specification

WxHxD (mm)	232x278x80
Approximate weight (Kg)	2.4 kg
Capacity	Up to 48 FO

Available in colors:
Light Gray RAL 7035
Black   RAL 9005
Other colors on request

DGO P-12

Splicing or Patching

Capacity up to 12 FO

It has an inlet and an outlet at the top and bottom with sealing rubber for cables and optical cords

Internal panel with numeric identification

Internal compartment for accommodating Pigtails, Loose Tube and Optical Splicin

Closing of the hinged lid by means of a castle lock with keys

Installation kit

Corrosion resistant

DGO P-12 attached to wall, entrance of optical cable and cord outlet

Installation

Indoor wall

Versions

Technical Specification

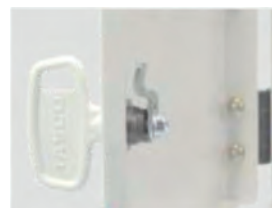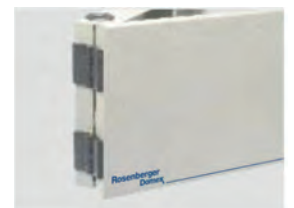| WxHxD (mm)	288x175x42
Approximate weight (Kg)	1.3
Capacity	Up to 12 FO – ST, FC, SC/SX, E2000/SX, LC/SX, or LC/DX

Details

Cord outlet adapters arrangement

Fitting of splicin pigtails

Optical cable pull element locking system

Lid closing through castle lock

High-strength hinge

Rosenberger

DGO P-24

DGO P-24

Splicing or Patching

Capacity up to 24 FO

It has an inlet and an outlet at the top and bottom with sealing rubber for cables and optical cords

Internal panel with numeric identification

Internal compartment for accommodating Pigtails, Loose Tube and Optical Splicin

Closing of the hinged lid by means of a castle lock with keys

Installation kit

Corrosion resistant

DGO P-24 attached to wall, entrance of optical cable and cord outlet

Installation

Indoor wall

Versions

E3 CROSS CONNECT ESPELHAMENTO

HIGH POWER 4.5W SOLUTION

EF EASY FUSION

HIGH PERFORMANCE 0.1dB SOLUTION

Technical Specification

WxHxD (mm)	375x275x45
Approximate weight (Kg)	2.0
Capacity	Up to 24 FO – ST, FC, SC/SX, E2000/SX, LC/SX, and LC/DX

Details
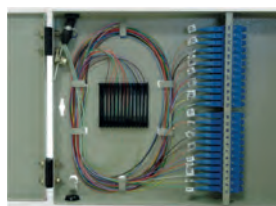
Arrangement of adapters

Accommodation of pigtails and splicin

Optical cable pull element locking system

Lid closing through castle lock

High-strength hinge

Rosenberger
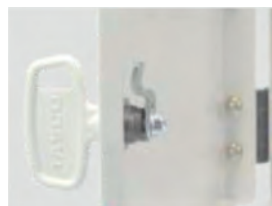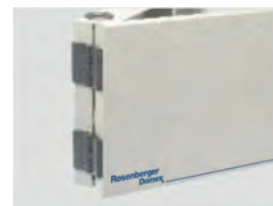
Taurus Line

DATACENTER

The Data Center is the data processing center that transmits, stores and protects the information of your business and your customers.

The security and speed of these processes are the most important factors for the success of a Data Center.

Fiber optical is the safest and fastest means of data transport today.

The growth of new applications that will reach users worldwide and have their data processed in a Data Center is exponential. This will require greater processing capacity for the Data Centers, and consequently greater infrastructure, impacting higher investment expenses.

Rosenberger

DIOS | MODULES

Oriented to the needs of its customers, Rosenberger developed the line of Taurus DIOs for high fiber density environments such as MDA, HDA or EDA / IDA in data centers as a way to reduce the impact of these expenses due to less occupation of physical space increasing the longevity of the existing infrastructure and prepared for 40/100 / 200GBASE-SR4, 40/100GBASE-PSM4 and 200 / 400GBASE-DR4 supporting the growing increase in data processing.

DIOS can be 1U, 2U or 4U with quick and easy installation, making the system start up and start generating revenue in less time than common solutions using modular plug and play panels that reduce downtime during movements, changes and growth (IMAC), as well as allowing the evolution to 100/200 / 400G on the same chassis base, reducing investment time and cost.

To evolve to 100/200 / 400G, the system has panels with MTP pass-through ports, as well as MTP-LC Base8 modules that optimize the use of trunk cables, taking advantage of 100% of the fibers, reducing the amount of cables in the infrastructure and the space occupied in the pipeline generating savings and growth potential for your Data Center.

APPLICATION: DATA CENTERS | TELECOMMUNICATION | FTTX

Rosenberger

DIO Taurus

Taurus III - 1U

Patching

Capacity up to 48-port (96FO)

Front cover with patchcord organizer

Removable top cover

4 slots for modules / panels

Installation kit

Anti-dust brushes

Side and rear cable entry with cable anchor

Corrosion resistant

Meet requirements and standards

RoHS • TIA 942-A • TIA 568C.3

• ISO 11801 • ISO 26764 • EN 50173-5

Installation

19" Racks and Frames

Version

Technical Specification

Useful height (Us)	1
WxHxD (mm)	482x44,5x407
Approximate weight (Kg)	3,5
Maximum capacity	48 ports (96 FO) LC/DX
	24 ports (288 FO) MTP
	32 ports (384 FO) MTP

Available in colors:
■ **Dark Gray**

Details

without cover

Side view

Back view

Rosenberger

DIO Taurus

Taurus III - 4U

Splicing or Patching

Capacity up to 144-port (288FO)

Front cover with patchcord organizer

Removable top cover

12 slots for modules / panels

Installation kit

Anti-dust brushes

Side and rear cable entry with cable anchor

Corrosion resistant

Meet requirements and standards

RoHS • TIA 942-A • TIA 568C.3

• ISO 11801 • ISO 26764 • EN 50173-5

Installation

19" Racks and Frames

Version

EB
CROSS CONNECT
ESPELHAMENTO

EF
EASY FUSION

Technical Specification

Useful height (Us)	4
WxHxD (mm)	482x177x445
Approximate weight (Kg)	8,8
Maximum capacity	144 ports (288 FO) LC/DX
	72 ports (864 FO) MTP
	96 ports (1152 FO) MTP

Available in colors:
■ **Dark Gray**

Details

Cover opening

Side view

Back view

Rosenberger

Taurus Modules

Module MTP - Base 8

Technical Specification

WxHxD (mm)	96x36x116,4
Approximate weight (Kg)	0,2
Material	Plastic
Capacity	3 ports MTP converted to 12 ports (24 FO) base LC/DX
Installation	Taurus 1U and 4U

Available in color:
Light Gray

Module MTP - Base 12

Technical Specification

WxHxD (mm)	96x36x116,4
Approximate weight (Kg)	0,2
Material	Plasticc
Capacity	1 port MTP converted to 6 ports (12 FO) base LC/DX
	2 ports MTP converted to 12 ports (24 FO) base LC/DX
Installation	Taurus 1U and 4U

Available in color:
Light Gray

Rosenberger

Taurus Modules

Module Cross Connection

Technical Specification	
WxHxD (mm)	96x36x40,4
Approximate weight (Kg)	0,2
Material	Plastic
Capacity	6 ports (12 FO) base LC/DX
	12 ports (24 FO) base LC/DX
Installation	Taur us 1U and 4U

Available in color:
Light Gray

Module Frontal Adapter MTP

Technical Specification	
WxHxD (mm)	96x36x40,4
Approximate weight (Kg)	0,2
Material	Plastic
Capacity	6 ports (72 FO) base MTP
	8 ports (96 FO) base MTP
Installation	Taurus 1U and 4U

Available in color:
Light Gray

Module Blind

Technical Specification	
WxHxD (mm)	96x36x40,4
Approximate weight (Kg)	0,2
Material	Plastic
Capacity	-
Installation	Taurus 1U and 4U

Available in color:
Light Gray

Rosenberger

Cabling
DATACENTER

Rosenberger has an advanced solution for the cabling industry including copper products and broadband technology of high quality and excellent practicality.

Cables and UTP Cat-6 patchcords with Anatel certification and Patch Panels with 24 or 48 ports with its own distribution, which guarantees greater competitiveness.

The solution meets all kinds of specific requirements with bespoke design, patented technology, as well as the highest quality service for all structured cabling systems in buildings and datacenter applications.

Rosenberger
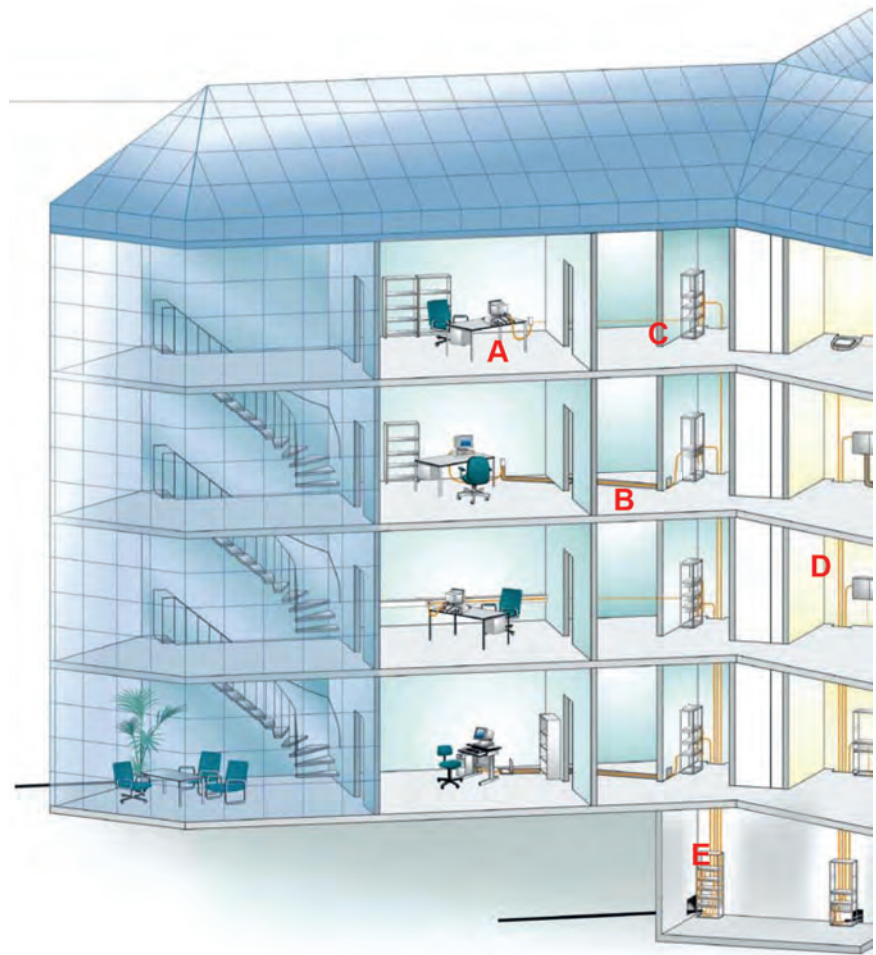
Patch Panel

Cat6 - 24 ports

Dust proof panel

Up to 24 ports

*High impact flame retardant plastic,
UL94V-0 rated*

*Bronze phosphorus C5210EH contact, gold
plating 50µm over
nickel plating 50~100µm*

Minimum 750 connection cycles

Compatible with solid 22-26AWG cables

Installation

Racks 19"

Technical Specification

Useful height (Us)	1
WxHxD (mm)	483x44x151
Approximate weight (Kg)	0,64
Max capacity	24 ports

Available in color:
■ **Black**

Details

Rosenberger

Patch Panel

Cat6 - 48 ports

Up to 48 ports

*High impact flame retardant plastic,
UL94V-0 rated*

*Bronze phosphorus C5210EH contact, gold
plating 50µm over
nickel plating 50~100µm*

Minimum 750 connection cycles

Compatible with solid 22-26AWG cables

Installation

Racks 19"

Technical Specification

Useful height (Us)	1
WxHxD (mm)	483x44x156
Approximate weight (Kg)	0,46
Max capacity	48 ports

Available in color:
■ **Black**

Details

Rosenberger

Cabo UTP

Cat6 - 4 pairs

*Support applications at 100 Mbps,
1000 Mbps and 10 Gbps*

Made of PVC - flame retardant

RoHS Compliant

*Exceeds the performance requirements of TIA/EIA-
568-C.2 and ISO / IEC11801 2nd*

*More stable, high-quality electrical and mechanical
construction ensure demanding applications*

*Compatible with all current connection hardware to
EN 50173, TIA/EIA 568 and ISO / IEC 11801*

Available in color:
■ Gray

Rosenberger

Cables and Cords
TRUNKS | PATCHCORDS | HARNESS

The PreConnect® solution consists of multipath cables from 2 to 144 fibers pre-connected at the factory. Manufacturing can be done with varying lengths and different types of optical connectors, mounted on just one end of the cable or both, as requested by the customer. Singlemode or multimode fibers can be used. All cable routes are factory tested in accordance with applicable IEC, EIA, and NBR standards. The cable is protected, embedded, and packaged to guarantee its integrity during transport, storage, and future installation.

The use of PreConnect® cables allows easy and fast IMAC (Installation, Move, Add, and Change) reducing investment costs and project delivery times, offering additional security and protection to the fibers.

Cables can be of the Trunk type, with anti-rodent protection, if used to connect an internal plant with an external plant or micro-cables to connect different environments of the internal plant. They can also be used in industry or for applications of external broadcast activity, where they need to be installed and uninstalled quickly and easily.

They can be of the Harness type, also known as fanout or breakout, this configuration consists of 12 or 24-way cables with less robustness for short internal connections, widely used in parallel communication with high data transmission rate.

The use of trunk cables is highly recommended for those looking to reduce costs, increase availability, infrastructure longevity, speed and easier of installation. As it allows up to 144 lanes in small diameters, trunk cables take up less space on conveyors, reducing the infrastructure cost and improving the flow of air conditioning due to less obstruction of floor space.

Homologated for
Brazilian market

APPLICATIONS: FTTX | DATACENTERS | TELECOMMUNICATIONS

Rosenberger

PreConnect® Standard

Capacity from 2 to 144 FO

Custom Fanout

Indoor and outdoor application

Protection at the junction it supports pulling of up to 600 N

Eliminates the need for field measurements

No need for pigtails and splicing boxes

Convenience in installation to eliminate the need for fusions

Lower labor costs

Application

External backbones
Building or room interconnections
Internal structured cabling
on raised floors
or mat
Datacenters

Versions

HIGH POWER 4.5W SOLUTION

HIGH PERFORMANCE 0.1dB SOLUTION

Technical Specification

Jacket guard	LSZH
Available fibers	SMF, G-657, OM1, OM2, OM3, OM4 or OM5
Available connectors	SC, LC, E2000, FC, or MTP/MPO
Polishing	PC, UPC, or APC
Connector types	Simplex or Duplex
Fanout diameter	Ø1.6 mm or Ø2 mm
Divider diameter	Ø23 mm - 12 FO Ø26 mm - 24 FO Ø30 mm - 48 FO Ø40 mm - 72 FO Ø43 mm - 144 FO
Divider protection	Protective tube with mesh - IP 50
Temperature	Operation (+10 to +40 °C)

Details

Option of connectorization in the two ends

Homologated for Brazilian market

ANATEL

Rosenberger

PreConnect® TR

Capacity from 2 to 12 FO

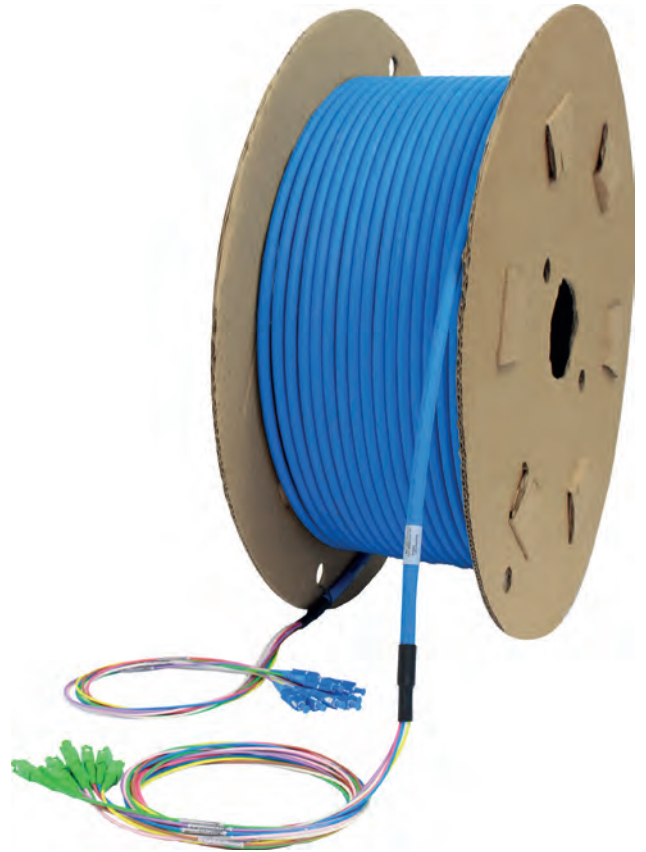*Custom Fanout*

Indoor application

Protection at the junction it supports pulling of up to 200 N

Eliminates the need for field measurements

No need for pigtails

Convenience in installation to eliminate the need for fusions

Lower labor costs

Application

Room interconnections
Internal structured cabling
on false flooring or mat
Datacenters

Versions

HIGH POWER 4.5W SOLUTION

HIGH PERFORMANCE 0.1dB SOLUTION

Technical Specification

Jacket guard	LSZH
Available fibers	SMF, G-657, OM1, OM2, OM3, OM4 or OM5
Available connectors	SC, LC, E2000, or FC
Polishing	PC, UPC or APC
Connector types	Simplex
Fanout diameter	Ø2 mm
Temperature	Operation (+10 to +40 °C)

Option of connectorization in the two ends

Homologated for Brazilian market

ANATEL

Version - Apr 2022

Rosenberger

PreConnect® Breakout

Capacity from 2 to 144 FO

Custom Fanout

Indoor application

Protection at the junction it supports pulling of up to 200 N

Eliminates the need for field measurements

No need for pigtails and splicing boxes

Convenience in installation to eliminate the need for fusions

Lower labor costs

Application

Room interconnections
Internal structured cabling
on false flooring or mat
Datacenters

Versions

HIGH POWER 4.5W SOLUTION

HIGH PERFORMANCE 0.1dB SOLUTION

Technical Specification

Jacket guard	LSZH
Available fibers	SMF, G-657, OM1, OM2, OM3, OM4 or OM5
Available connectors	SC, LC, E2000, FC, or MTP/MPO
Polishing	PC, UPC or APC
Connector types	Simplex or Duplex
Fanout diameter	Ø1.6 mm or Ø2 mm
Temperature	Operation (+10 to +40 °C)

Details

joint for easy organization

Homologated for Brazilian market

ANATEL

Rosenberger

PreConnect® Basic

Capacity from 2 to 12 FO

Custom Fanout

Indoor

Indoor application

Protection at the junction it supports pulling of up to 100 N

Reduced cable diameter

Eliminates the need for field measurements

No need for pigtails

Convenience in installation to eliminate the need for fusions

Lower labor costs

Application

Room interconnections
Internal structured cabling
in conduits
Datacenters

Versions

HIGH POWER SOLUTION
4.5W

HIGH PERFORMANCE SOLUTION
0.1dB

Technical Specification

Jacket guard	LSZH
Available fibers	SMF, G-657, OM1, OM2, OM3, OM4 or OM5
Available connectors	SC, LC, E2000, or FC
Polishing	PC, UPC or APC
Connector types	Simplex or Duplex
Fanout diameter	Ø1.6 mm or Ø2 mm
Temperature	Operation (+10 to +40 °C)

Details

Takes up less space maximum cable diameter is 3 mm

Homologated for Brazilian market

ANATEL

Version - Apr 2022

Rosenberger

Patchcords

Standard

Cable types	Indoor
Application	Indoor
Jacket guard	LSZH
Available fibers	SMF, G-657, OM1, OM2, OM3, OM4 or OM5
Capacity	Up to 2 FO
Available connectors	SC, LC, E2000, or FC
Polishing	PC, UPC or APC
Connector types	Simplex or Duplex
Cord diameter	Ø1.6 mm, Ø2 mm or Ø3 mm
Mitigation	IL ≤ 0.30 dB
Return loss	RL ≥ 45 dB (SM PC) | RL ≥ 55 dB (APC) RL ≥ 30 dB (MM)
Temperature	Operation (+ 10ºC to + 40ºC)

Premium

Cable types	Indoor
Application	Indoor
Jacket guard	LSZH
Available fibers	SMF or G-657
Capacity	Up to 2 FO
Available connectors	SC, LC, E2000, or FC
Polishing	PC, UPC or APC
Connector types	Simplex or Duplex
Cord diameter	Ø1.6 mm, Ø2 mm or Ø3 mm
Mitigation	IL ≤ 0.15 dB
Return loss	RL ≥ 50 dB (PC) | RL ≥ 65 dB (APC)
Temperature	Operation (+ 10ºC to + 40ºC)

High Performance

Cable types	Indoor
Application	Indoor
Jacket guard	LSZH
Available fibers	SMF or G-657
Capacity	Up to 2 FO
Available connectors	SC, LC, E2000, or FC
Polishing	PC, UPC or APC
Connector types	Simplex or Duplex
Cord diameter	Ø1.6 mm, Ø2 mm or Ø3 mm
Mitigation	IL ≤ 0.10 dB
Return loss	RL ≥ 50 dB (PC) | RL ≥ 65 dB (APC)
Temperature	Operation (+ 10ºC to + 40ºC)
Maximum power	1 W

HIGH PERFORMANCE
0.1dB   SOLUTION

High power

Cable types	Indoor
Application	Indoor
Jacket guard	LSZH
Available fibers	SMF or G-657
Capacity	Up to 2 FO
Available connectors	SC and E2000
Polishing	APC
Connector types	Simplex or Duplex
Cord diameter	Ø1.6 mm, Ø2 mm or Ø3 mm
Mitigation	IL ≤ 0.10 dB
Return loss	RL ≥ 72 dB (APC)
Temperature	Operation (+ 10ºC to + 40ºC)
Maximum power	4.5 W

HIGH POWER
4.5W   SOLUTION

Homologated for Brazilian market

ANATEL

Rosenberger

Pigtails

Indoor application

*Length produced
for each application*

*Eliminates the need
of field measurements*

Conveniece and agility on the premises

Lower labor costs

Available in 12 colors

ABNT standard colors

- 🟩 Green
- 🟨 Yellow
- ⬜ White
- 🟦 Blue
- 🟥 Red
- 🟪 Violet
- 🟫 Brown
- 🟪 Pink
- ⬛ Black
- ⬛ Grey
- 🟧 Orange
- 🟦 Aqua

Standard colors EIA598-A

- 🟦 Blue
- 🟧 Orange
- 🟩 Green
- 🟫 Brown
- ⬛ Grey
- ⬜ White
- 🟥 Red
- ⬛ Black
- 🟨 Yellow
- 🟪 Violet
- 🟪 Pink
- 🟦 Aqua

Installation

DIOs:
Optical Interconnections
Fusion on devices with
adapters

Versions

EASY FUSION

HIGH POWER SOLUTION
4.5W

HIGH PERFORMANCE SOLUTION
0.1dB

Technical Specification

Cable types	Simplex
Jacket guard	COG or LSZH
Available fibers	SMF, G-657, OM1, OM2, OM3, OM4 or OM5
Available connectors	SC, LC, E2000, or FC
Polishing types	PC, UPC or APC
Connector types	Simplex
Coating diameter	Ø0.9 mm
Temperature	Operation (+10 to + 40 ° C)

*Homologated for
Brazilian market*

ANATEL

Version - Apr 2022

Rosenberger

Patchcord Multivias

Assembled with MTPs base 8, base 12, base 16 or base 24

Indoor application

Polarization method following standard ANSI/TIA-568.3-D, application-defined

Used for point-to-point applications or parallel communication
40/100 / 200GBase-SR4
400GBase-SR8
40 / 100GBase-PSM4
200/400GBase-DR4

100% factory tested

Convenience for IMAC (Install, Moves, Adds, and Changes) due to the reduced size

Optimized cost and mitigation for SR4, PSM4 or DR4 transceivers

Installation

Datacenters
Mainframe interconnection
Equipment interconnection

Technical Specification

Jacket guard	LSZH
Available fibers	G-657, OM3, OM4 or OM5
Available connectors	MTP/MPO - Standard or Elite®
Polishing types	PC, UPC or APC
Temperature	Operation (+10 to +40°C)

Homologated for Brazilian market

ANATEL

Rosenberger

Harness and Mini Harness

Assembled with MTPs base 8, base 12, base 16 or base 24

Length produced for each application

Indoor application

Polarization method following ANSI/TIA-568.3-D, application-defined

Used for point-to-point applications or dismemberment of doors 40/100/200GBase-SR4 400GBase-SR8 40 / 100GBase-PSM4 200/400GBase-DR4

Convenience for IMAC (Install, Moves, Adds, and Changes) due to the reduced size

100% factory tested

Optimized cost and mitigation for SR4, PSM4 or DR4 transceivers

Application

Datacenters
Mainframe interconnection
Equipment interconnection
Dismemberment of doors

Versions

HIGH PERFORMANCE
0.1dB   SOLUTION

Technical Specification

Jacket guard	LSZH
Available fibers	SMF, G-657, OM3, OM4 or OM5
Available connectors	MTP/MPO at one end and SC, LC, E2000, FC on the other
Polishing types	PC, UPC or APC
Connector types	Simplex or Duplex
Divider	Ø13mm - 12 FO Ø20mm - 24 FO
Temperature	Operation (+10°C a +40°C)

Homologated for Brazilian market

ANATEL

Rosenberger

2 FO capacity

Custom Fanout

Outdoor application

Cables with much smaller dimensions than corrugated cables up to 7 mm

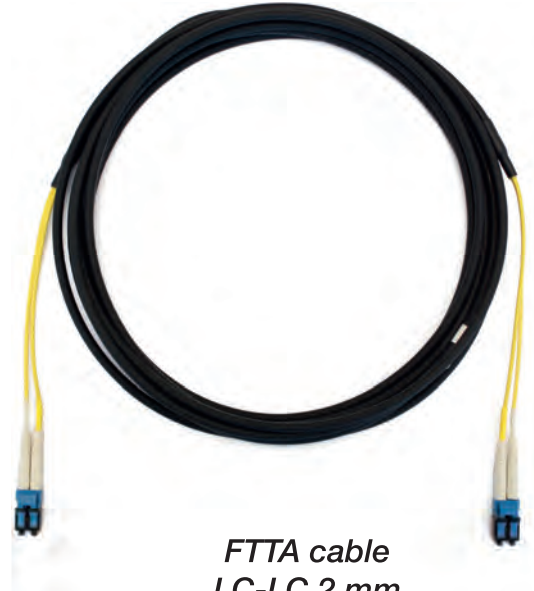*Great cable weight reduction compared to solutions with corrugated cables*

Low attenuation

Great energy savings

Eliminates the need for field measurements

PC, UPC or APC

Lower labor costs of installation

**FTTA cable
LC-LC 2 mm**

Application

Fiber to the antenna
Horizontal cabling

Technical Specification

Jacket guard	COG or LSZH
Available fibers	G-652D, G-657, OM1, OM2, OM3, OM4 or OM5
Fiber diameter option	Ø0.9 mm | Ø2 mm
Available connectors	SC, LC, or RDC
Polishing types	PC, APC ou UPC
Connector types	Simplex or Duplex
Operating temperature	Operation (0 to +65° C)

Details

**FTTA cable
LC-LC Ø 0.9 mm**

*Homologated for
Brazilian market*

Rosenberger

LC

SC

E2000

	LC	**SC**	**E2000**
Connectors	**Available in patchcords** Premium Standard High Performance **Color pattern** SM PC: Blue SM APC: Green SM High performance: Black boot MM: Beige Bolt: 1.25 mm Standard: IEC 61754-20	**Available in patchcords** Premium Standard High Performance High power **Color pattern** SM PC: Blue SM APC: Green SM High performance: Black boot SM APC High power: Green with red boot MM: Beige Bolt: 2.5 mm Standard: IEC 61754-4	**Available in patchcords** Premium Standard High Performance High power **Color pattern** SM PC: Blue SM APC: Green SM High performance: Black boot SM APC High power: Green with red boot MM: Beige Bolt: 2.5 mm Standard: IEC 61754-15
Adapt.	**Sleeve (Inner Glove)** SM and MM: Zirconia	**Sleeve (Inner Glove)** SM and MM: Zirconia	**Sleeve (Inner Glove)** SM and MM: Zirconia
Attenuators	**Return loss** PC: ≥ 50 dB APC: ≥ 60 dB **Attenuation tolerance** ≤ 10 dB variation ± 1 dB ≥ 11 dB variation ± 15%	**Return loss** PC: ≥ 50 dB APC: ≥ 60 dB **Attenuation tolerance** ≤ 10 dB variation ± 1 dB ≥ 11 dB variation ± 15%	**Return loss** PC: ≥ 50 dB APC: ≥ 60 dB **Attenuation tolerance** ≤10 dB variation ± 1 dB ≥11 dB variation ± 15%
Available	Multimode Single mode Duplex (Uniboot or Standard) PC, UPC or APC	Multimode Single mode Duplex PC, UPC or APC	Multimode Single mode Duplex PC, UPC or APC

Convenience for IMAC (Installation, Move, Add, and Change) due to the reduced size

Eliminates the need for field measurements

Convenience in the installation to eliminate the need for fusions

Lower labor costs

Rosenberger

FC | ST | MTP/MPO | DRC

FC	ST	MTP/MPO	DRC
Available in patchcords Premium Standard	**Available in patchcords** Standard	**Insertion loss** MTP SM ≤ 0.50 dB MTP MM ≤ 0.60 dB Elite MTP ≤ 0.30 dB	**Insertion loss** Max. IL [dB] SM: ≤ 0.50 dB MM: ≤ 0.50 dB
Color pattern PC: Metallic with black boot APC: Metallic with green boot Bolt: 2.5 mm Thread Locking Standard: IEC 61754-13	**Color pattern** PC: Metallic with black boot Bolt: 2.5 mm Bayonet Locking	**Return loss** Min. RL d SM: ≥ 55 dB (APC) MM: ≥ 20 dB Bolt: Injected plastic Push pull locking Standard: IEC 61754-7	**Return loss** Min. RL d SM: ≥ 55 dB (APC) MM: ≥ 20 dB Bolt: Zirconia (2x1.25) Locking with anti-twist thread IP67 protection
Sleeve (Inner Glove) SM and MM: Zirconia	**Sleeve (Inner Glove)** SM and MM: Zirconia	**Polarization** A or B	AT
Return loss PC: ≥ 50 dB APC: ≥ 60 dB **Attenuation tolerance** ≤ 10 dB variation ± 1dB ≥ 11 dB variation ± 15%	**Return loss** PC: ≥ 50 dB **Attenuation tolerance** ≤ 10 dB variation ± 1dB ≥ 11 dB variation ± 15%	AT	AT
Multimode Single mode PC, UPC or APC	Multimode Single mode PC, UPC or APC	Multimode Single mode PC, UPC or APC Male or Female	Multimode Single mode PC, UPC or APC Male or Female

Uniboot Connectors Stackable with easy polarity reversal

push-pull easy operation on high density panels

Patchcord High power Maximum 4.5 W

Homologated for Brazilian market

ANATEL

Rosenberger

Raceway Conduits

Fiber Raceway are designed with the purpose of providing secure accommodation for the optical infrastructure. They are produced in PC&ABS (a plastic alloy composed of polycarbonate and acrylonitrile butadiene styrene) and LSZH (low smoke, halogen free) material with flame retardant and electromagnetic insulating characteristics. It is designed with both fiber bend radius and overall fiber security in mind.

It allows quick and enables IMACs (Installation, Move, Add, Change) with little need for cutting and adaptation. Due to the structure of the PC&ABS alloy, the parts that need cutting for installation do not create residues or dust, avoiding dirt and damage to the active equipment inside the facility.

The following products are available to support your needs:

Lines and covers
Intersections and covers
"T" type and covers
Horizontal curve and covers 45º and 90º
Vertical rise and fall curve 45º and 90º
Reducers and covers
Trumpets
Termination covers
Outlets and covers
Joints and Support Kit
T-Bolt screw and cover clips

Certificate: E366238

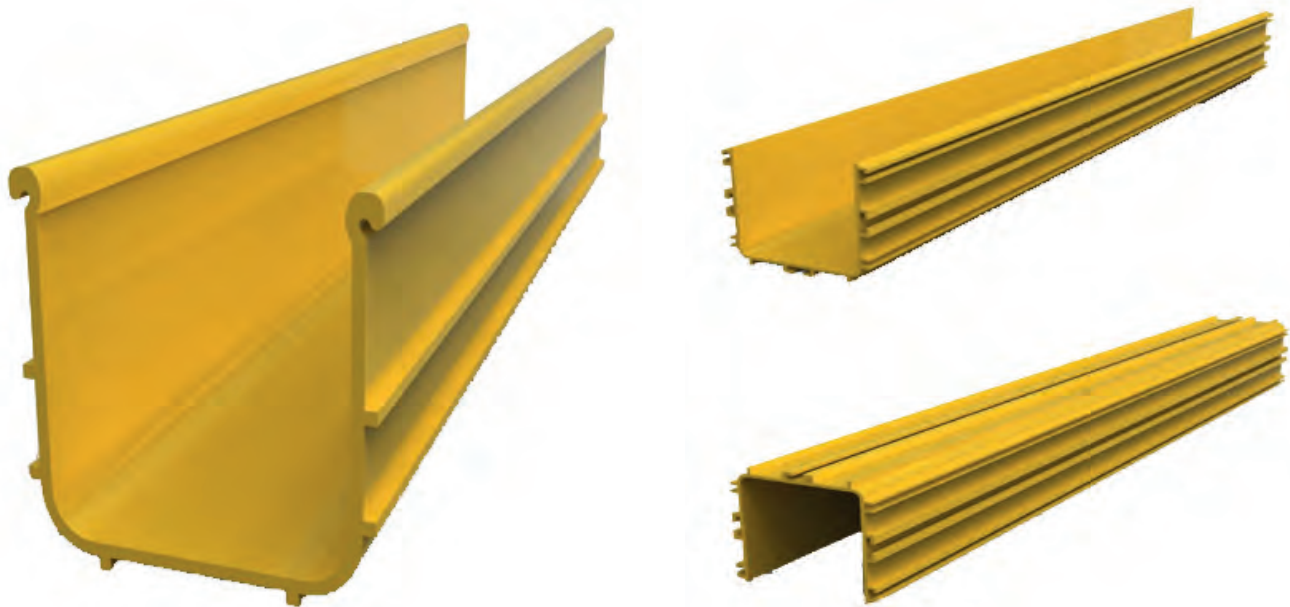**APPLICATIONS:** FTTX | DATACENTERS | TELECOMMUNICATIONS

Rosenberger

Straight Conduits

*Compatibility adapters for other manufacturers - see models in this catalog*
Parts sold separately

Technical Specification

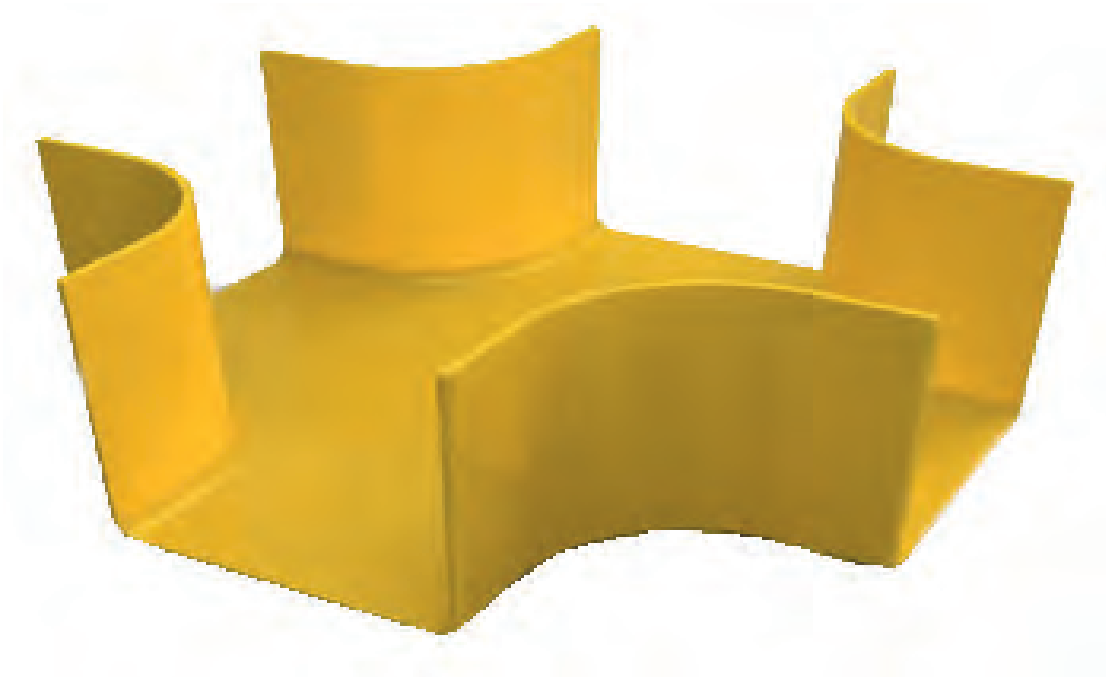| Description	Part Number	Dimensions (W x H x Thickness x Length) mm
Straight Conduit 30x50	1T3122A00	33 X 48.5 X 1.5T X 2000
Straight Conduit 50x50	1T3122A01	59 X 54.5 X 2.0T X 2000
Straight Conduit 100x100	1T3124A02	120 X 106(+7) X 3.0T X 2000
Straight Conduit 160x100	1T3126A00	181 X 106(+7) X 3.5T X 2000
Straight Conduit 220x100	1T3128A01	241 X 106(+7) X 3.5T X 2000
Straight Conduit 300x100	1T31212A00	321 X 106(+7) X 3.5T X 2000
	Material	PC&ABS - Halogen free

Straight Covers
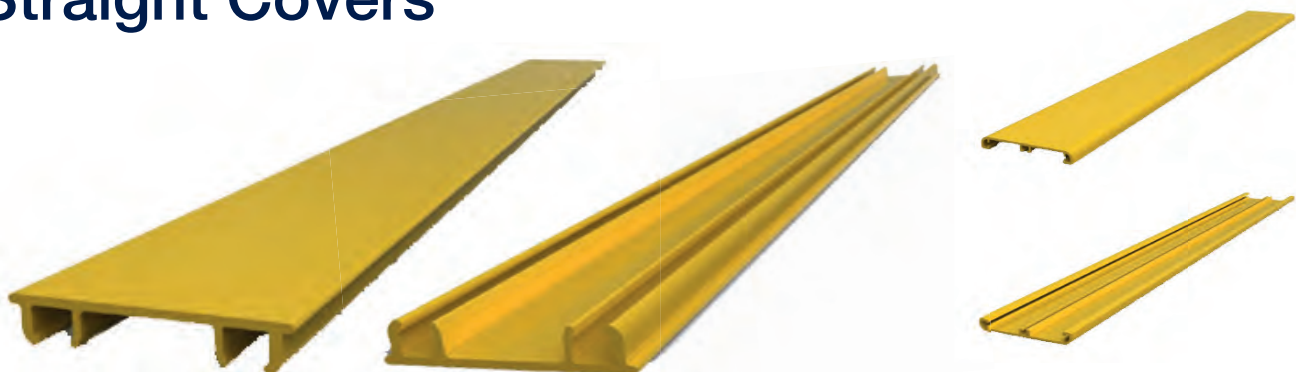
Technical Specification

Description	Part Number	Dimensions (W x H x Thickness x Length) mm
Straight Cover 30x50	1T3312A00	36 X 8 X 1.5T X 2000
Straight Cover 50x50	1T3312A01	66 X 8.6 X 2.0T X 2000
Straight Cover 100x100	1T3314A01	120 X 16.5 X 3.0T X 2000
Straight Cover 160x100	1T3316A00	181 X 17 X 3.5T X 2000
Straight Cover 220x100	1T3318A00	241 X 17 X 3.5T X 2000
Straight Cover 300x100	1T33112A00	321 X 17 X 3.5T X 2000
	Material	PC&ABS - Halogen free

Rosenberger

Crossings

Technical Specification

Description	Part Number	Dimensions (W x H x Thickness x Length) mm
Crossover 100x100	1T3164A00	260 X 106 X 3.0T X 260
Crossover 160x100	1T3166A00	300 X 106 X 3.5T X 300
Crossover 220x100	1T3168A00	360 X 106(+5) X 3.5T X 360
Crossover 300x100	1T31612A00	440 X 106(+5) X 3.5T X 440
	Material	PC&ABS - Halogen free

Covers

Technical Specification

Description	Part Number	Dimensions (W x H x Thickness x Length) mm
Crossover Cover 100x100	1T3484A00	265 X 3.0T X 34 X 265
Crossover Cover 160x100	1T3486A00	307 X 3.0T X 27 X 307
Crossover Cover 220x100	1T3488A00	367 X 3.0T X 34 X 367
Crossover Cover 300x100	1T34812A00	446.5 X 3.0T X 27 X 446,5
	Material	PC&ABS - Halogen free

Raceway Conduits

Transition "T"

Technical Specification

Description	Part Number	Dimensions (W x H x Thickness x Length) mm
Transition "T" 30x50	1T3182A00	75 X 52.5 X 1.5T X 55.5
Transition "T" 100x100	1T3184A00	260 X 106 X 3.0T X 183
Transition "T" 160x100	1T3186A00	300 X 106 X 3.5T X 233.5
Transition "T" 220x100	1T3188A00	360 X 106(+5) X 3.5T X 293.5
Transition "T" 300x100	1T31812A00	440 X 106(+5) X 3.5T X 373.5
	Material	PC&ABS - Halogen free

Covers

Technical Specification

Description	Part Number	Dimensions (L x A x Thickness x Length) mm
Transition "T" Cover 30x50	1T3382A00	59 X 9.5 X 1.5T X 47.5
Transition "T" Cover 100x100	1T3384A00	265 X 34 X 3.0T X 192.5
Transition "T" Cover 160x100	1T3386A00	307 X 27 X 3.0T X 244
Transition "T" Cover 220x100	1T3388A00	367 X 34 X 3.0T X 304
Transition "T" Cover 300x100	1T33812A00	446.5 X 27 X 3.0T X 383.75
	Material	PC&ABS - Halogen free

Rosenberger

45º and 90º horizontals

Technical Specification

Description	Part Number	Dimensions (W x H x Thickness x Length) mm
45º Horizontal Curve 30x50	1T3262A00	55.5 X 52.5 X 1.5T X 55.5
45º Horizontal Curve 100x100	1T3264A01	126.6 X 106 X 3.0T X 126
45º Horizontal Curve 160x100	1T3266A00	197.6 X 106 X 3.5T X 193.8
45º Horizontal Curve 220x100	1T3268A01	257.7 X 106(+5) X 3.5T X 236.3
45º Horizontal Curve 300x100	1T32612A00	337.7 X 106(+5) X 3.5T X 373.5
90º Horizontal Curve 100x100	1T3404A00	126.6 X 106 X 3.0T X 252.5
90º Horizontal Curve 160x100	1T3406A00	197.6 X 106 X 3.0TX 387,6
90º Horizontal Curve 220x100	1T3408A00	257.7 X 106 X 3.5T X 472.68
90º Horizontal Curve 300x100	1T34012A00	337.7 X 106 X 3.5T X 747
	Material	PC&ABS - Halogen free

Covers

For 90º curves, 2 45º covers are used

Technical Specification

Description	Part Number	Dimensions (W x H x Thickness x Length) mm
45º Horizontal Curve Cover 30x50	1T3492A00	47.5 X 9.5 X 1.5T X 47.5
45º Horizontal Curve Cover 100x100	1T3494A00	140.6 X 34 X 3.0T X 135.5
45º Horizontal Curve Cover 160x100	1T3496A00	212.7 X 27 X 3.0T X 205.5
45º Horizontal Curve Cover 220x100	1T3498A00	272.7 X 34 X 3.0T X 247.8
45º Horizontal Curve Cover 300x100	1T34912A00	352.5 X 27 X 3.0T X 304
	Material	PC&ABS - Halogen free

Rosenberger

Raceway Conduits

90º Descent Curve

Technical Specification

Description	Part Number	Dimensions (W x H x Thickness x Length) mm
90º Descent Curve 50x50	1T3422A00	54 X 63 X 2.0T X 198
90º Descent Curve 100x100	1T3424A00	106 X 118 X 3.0T X 305
90º Descent Curve 160x100	1T3426A00	167 X 118.5 X 3.5T X 305
90º Descent Curve 220x100	1T3428A00	227 X 118.5 X 3.5T X 312
90º Descent Curve 300x100	1T34212A00	307 X 119 X 3.5T X 312
	Material	PC&ABS - Halogen free

90º Ascent Curve

Technical Specification

Description	Part Number	Dimensions (W x H x Thickness x Length) mm
90º Ascent Curve 50x50	1T3432A00	54 X 63 X 2.0T X 198
90º Ascent Curve 100x100	1T3434A00	106 X 118 X 3.0T X 305
90º Ascent Curve 160x100	1T3436A00	167 X 118.5 X 3.5T X 305
90º Ascent Curve 220x100	1T3438A00	227 X 118.5 X 3.5T X 312
90º Ascent Curve 300x100	1T34312A00	307 X 119 X 3.5T X 312
	Material	PC&ABS - Halogen free

Rosenberger

45º Descent Curve

Technical Specification

Description	Part Number	Dimensions (W x H x Thickness x Length) mm
45º Descent Curve 50x50	1T3462A00	54 X 63.45 X 2.0T X 99
45º Descent Curve 100x100	1T3464A00	106 X 119.2 X 3.0T X 155.5
45º Descent Curve 160x100	1T3466A00	167 X 19.2 X 3.5T X 155.5
45º Descent Curve 220x100	1T3468A00	227 X 119.2 X 3.5T X 155.5
45º Descent Curve 300x100	1T34612A00	307 X 119.2 X 3.5T X 155.5
	Material	PC&ABS - Halogen free

Covers

For 90º curves, 2 45º covers are used

Technical Specification

Description	Part Number	Dimensions (W x H x Thickness x Length) mm
45º Descent CurveCover 50x50	1T3502A00	66 X 21.5 X 2.5T X 104.5
45º Descent CurveCover 100x100	1T3504A00	120 X 54.5 X 3.0T X 175.5
45º Descent CurveCover 160x100	1T3506A00	181 X 48.5 X 3.0T X 177
45º Descent CurveCover 220x100	1T3508A00	241 X 55 x 3.0T X 177
45º Descent CurveCover 300x100	1T35012A00	47.5 X 321 X 3.0T X 177
	Material	PC&ABS - Halogen free

45° Ascent Curve

Technical Specification

Description	Part Number	Dimensions (W x H x Thickness x Length) mm
45º Ascent Curve 50x50	1T3512A00	54 X 63 X 2.0T X 99
45º Ascent Curve 100x100	1T3514A00	106 X 118 X 3.0T X 152.5
45º Ascent Curve 160x100	1T3516A00	167 X 118.5 X 3.5T X 152
45º Ascent Curve 220x100	1T3518A00	227 X 118.5 X 3.5T X 156
45º Ascent Curve 300x100	1T35112A00	307 X 119 X 3.5T X 156
	Material	PC&ABS - Halogen free

Covers

Two 45º covers are used to meet the 90º curves

Technical Specification

Description	Part Number	Dimensions (W x H x Thickness x Length) mm
45ºAscent CurveCover 50x50	1T3522A00	66 X 22.5 X 2.5T X 65
45ºCurve Ascent Cover 100x100	1T3524A00	120 X 46 X 3.0T X 87.5
45ºCurve Ascent Cover 160x100	1T3526A00	181 X 49.5 X 3.0T X 83.5
45ºCurve Ascent Cover 220x100	1T3528A00	241 X 47 X 3.0T X 92.5
45ºCurve Ascent Cover 300x100	1T35212A00	321 X 40 X 3.0T X 80.5
	Material	PC&ABS - Halogen free

Rosenberger

Adapter for flexible tube

Technical Specification

Description	Part Number	Dimensions (W x H x Thickness x Length) mm
Conduit Adapter for flexible tube	1T3594A00	112 x 53 x 3.0T x 108
	Material	Plastic

Flexible Tube

Technical Specification

Description	Part Number	Dimensions (L x Thickness x Length) mm
Conduit flexible tube 44 mm per meter	1T3602A01	44 x 3.0T x 1000 (length sold per meter)
	Material	PVC

Rosenberger

Raceway Conduits

Reducers

Technical Specification

Description	Part Number	Dimensions (W x H x Thickness x Length) mm
Reducer100x100mm to 50x50	1T3204A00	106 X 106 X 3.0T X 110
Reducer 160x100mm to 100x100	1T3206A00	167 X 106 X 3.5T X 125
Reducer 220x100mm to 160x100	1T3208A01	227 X 106 X 3.5T X 140
Reducer 300x100mm to 220x100	1T32012A00	307 X 106(+5) X 3.5T X 150
Reducer 300x100mm to 100x100	1T32012A01	307 X 106(+5) X 3.5T X 150
	Material	PC&ABS - Halogen free

Covers

Technical Specification

Description	Part Number	Dimensions (W x H x Thickness x Length) mm
Reducer Cover 100x100mm to 50x50	1T3374A00	120 X 75 X 3.0T X 114.5
Reducer Cover 160x100mm to 100x100	1T3376A00	181 X 27 X 3.0T X 131
Reducer Cover 220x100mm to 160x100	1T3378A01	241 X 34 X 3.0T X 147
Reducer Couver 300x100mm to 220x100	1T33712A00	321 X 27 X 3.0T X 156.5
Reducer Cover 300x100mm to 100x100	1T33712A01	321 X 27 X 3.0T X 156.5
	Material	PC&ABS - Halogen free
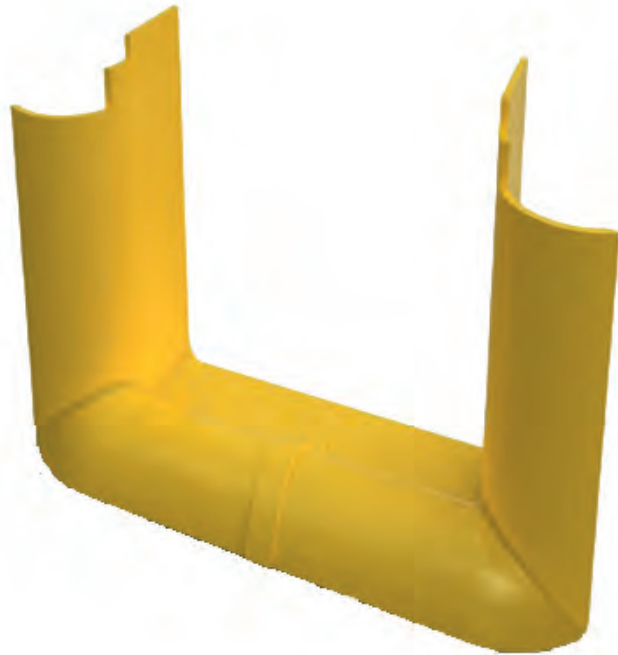
Trumpet

Technical Specification

Description	Part Number	Dimensions (W x H x Thickness x Length) mm
Trumpet 50x50	1T3192A00	96 X 54 X 2.0T X 45.5
Trumpet 100x100	1T3194A00	192 X 106 X 3.0T X 86
Trumpet 160x100	1T3196A00	260 X 200 X 3.5T X 80
Trumpet 220x100	1T3198A00	320 X 200 X 3.5T X 80
Trumpet 300x100	1T31912A00	400 X 200 X 3.5T X 80
	Material	PC&ABS - Halogen free

Termination Covers

Technical Specification

Description	Part Number	Dimensions (W x H x Thickness x Length) mm
Termination Cover 100x100	1T3154A00	114.5 X 127 X 3.0T X 13
Termination Cover 160x100	1T3156A00	175 X 127 X 3.0T X 13
Termination Cover 220x100	1T3158A01	233 X 124 X 3.0T X 19
Termination Cover 300x100	1T3508A00	314 X 127 X 3.0T X 13
	Material	PC&ABS - Halogen free

Rosenberger

Raceway Conduits

Vertical, Horizontal, and Cover Outlets

Vertical Outlet
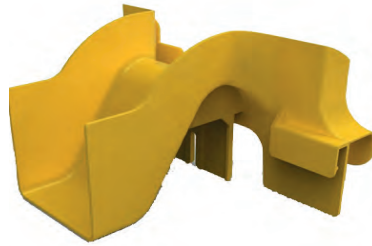
Horizontal Output

Horizontal and vertical drop covers

Technical Specification

Description	Part Number	Dimensions (W x H x Thickness x Length) mm
Horizontal outlet 100x100	1T3444A00	288 X 153 X 3.0T X 200
Horizontal outlet cover 100x100	1T3534A00	248 X 84.5 X 3.0T X 203
Vertical outlet 100x100	1T3474A00	220 X 90 X 3.0T X 196
Vertical outlet cover 100x100	1T3544A00	180 X 97.5 X 3.0T X 215
Vertical outlet 220x100	1T3478A00	338 X 102 X 3.0T X 196
Vertical outlet cover 220x100	1T3544A01	286 X 97.5 X 3.0T X 196
	Material	PC&ABS - Halogen free

Junctions
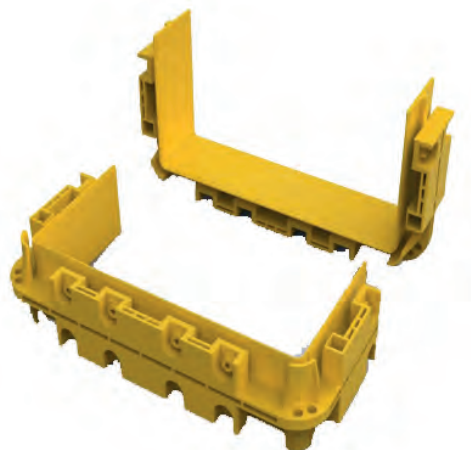
Technical Specification

Description	Part Number	Dimensions (W x H x Thickness x Length) mm
Junction for conduit 50x50	1T3132A00	58 X 56 X 2.0T X 34(+4)
Junction for conduit 100x100	1T3134A00	112 X 109 X 3.0T X 45(+4)
Junction for conduit 160x100	1T3136A00	196 X 119.5 X 3.0T X 55(+4)
Junction for conduit 220x100	1T3138A01	256 X 119.5 X 3.0T X 55(+4)
Junction for conduit 300x100	1T31312A00	336 X 119.5 X 3.0T X 55(+4)
	Material	PC&ABS - Halogen free

Rosenberger

Raceway Conduits

Support Kits

We have models that can meet the specifications of each project.

Support Kit
1-hole support - Drilling for 1/4" to 5/8" (For 100/160 mm, 220 mm, and 300 mm rails)
2-hole support - Drills for 1/4" to 5/8" (for 100/160 mm, 220 mm, and 300 mm rails)
2-hole support - For 1/4", 3/8" and 5/8" (For mats of up to 600 mm wide)
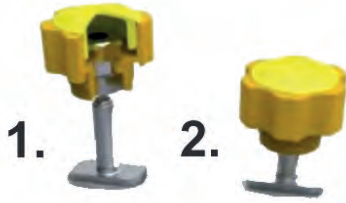Material: Metal
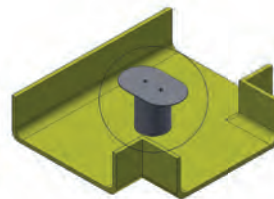
Chuck kit with cover and screw
Nut 5/8" Ø21 X 55 mm
Anchor Set: 5/8" Ø21 X 122 mm
Material: Metal

Rosenberger

Raceway Conduits

Support Kits

We provide third party parts compatibility adapters.

1. Nut | 2. T-Bolt
27,5 X 21 X 3.0T mm
20 X 8.5 X 2.5T (M6 X 24)
Material: PC&ABS Rubber SCM440
Halogen Free

Cover clip
38 X 40 X 2 ~ 3.5 X 17.5 mm
Material: Halogen-free PC&ABS

Horizontal Output Support
124 X 72 X 3.0T X 295 mm
Material: Steel

Threaded Bar, Nut, and Washer
1/4" to 5/8" x 2000/3000 mm - Threaded Bar
1/4" to 5/8" x 1 mm - Nut and Washer
Material: Steel
Galvanized or bichromatic finish
We have models that can meet the specifications of each project.

Extension and Anchor Bolt
1/4" to 5/8" Ø21 X 55 mm - Extension
1/4" to 5/8" Ø21 X 122 mm
Material: Steel
Galvanized or bichromatic finish

We have models that can meet the specifications of each project.

Mounting Structure
1/4" to 5/8"
112.5 X 63 X 6.0T X 50 mm
Material: Steel
Galvanized or bichromatic finish

Rosenberger

Raceway Conduits

Compatibility adapters
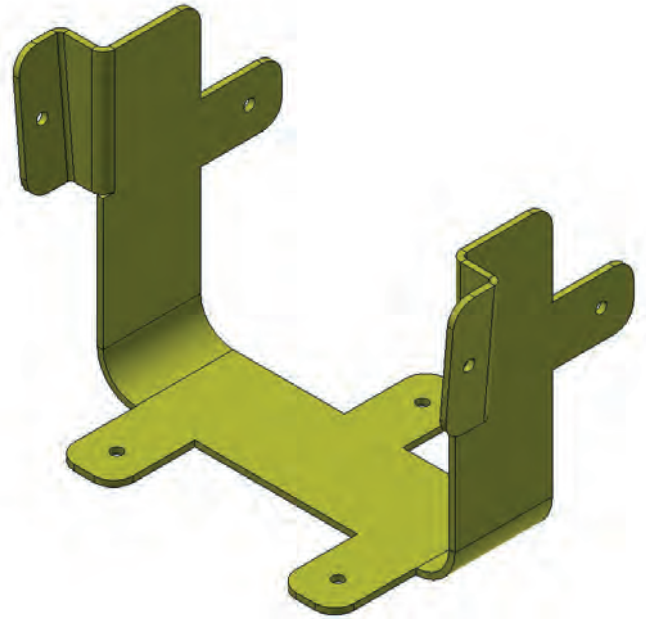
Technical Specification

Description	PN - Black	PN - Yellow
Connection kit between RDT rails 100 mm to 100 mm (4")	1TKUNPANRDT100P	1TKUNPANRDT100
Connection kit between RDT rails 100 mm to 100 mm (4")	1TKUNADCRDT100P	1TKUNADCRDT100
Connection kit between RDT rails 300 mm to 300 mm (12")	1TKUNADCRDT300P	1TKUNADCRDT300
Connection kit between RDT rails 100 mm to X 160 mm (6")	1TKUN160ADC100P	1TKUN160ADC100A
Connection kit between RDT rails 160 mm to 160 mm (6")	1TKUNADCRDT160P	1TKUNADCRDT160
Connection kit between RDT rails 100 mm to 100 mm (4")	1TKUNTELRDT100	1TKUNTELRDT100A

Material Metal

They meet industry standards from other manufacturers

Rosenberger

Fiber Optic Installation Services

In addition to the entire product line, Rosenberger also provides specialized services of in-field installation of optical fibers.

Within our line of services we offer:
- Installation of structured cabling, optical cables, cords, DIOs, and racks;
- Installation of infrastructure: Raceway conduits, mats, wire bed;
- Fusion services, network certification, technical analysis;
- Surveys and technical analysis for preliminary and executive projects;
- Training and qualification of suppliers;
- Management and execution of passive optical network projects.

Cable installation - Trunk

Infrastructure installation, treadmill - Raceway conduits
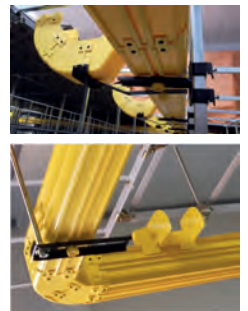
Fiber optic fusion service

Training of suppliers in products

In-field supplier training

*Project management and execution
in passive optical networks*

Rosenberger
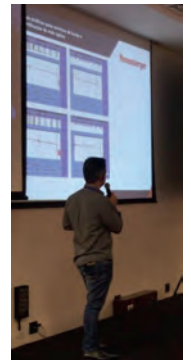
Cleaning Cassette

*For SC/E2000, LC, or MTP/MPO female
or MTP/MPO male connectors*

Has a refill

Bolt Cleaner

*For SC/E2000, LC or
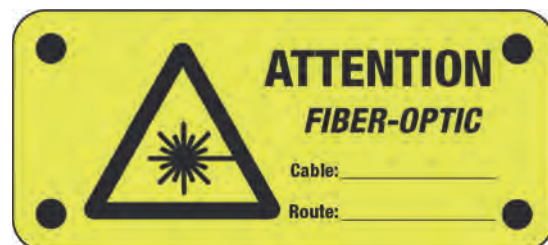MTP/MPO*

Diameter 1.25 mm or 2.5 mm

MTP/MPO bolts

We have models with and without refill

Warning Signs

Material: Yellow PVC with black screen printing

Nylon cable ties included

ATTENTION
FIBER-OPTIC
Cable: _____
Route: _____

Mod. A: 90x40 mm - Esp. 1 mm

ATTENTION
FIBER-OPTIC

Mod. B: 50x25 mm - Esp. 1 mm

Rosenberger

Splicing Cassette

SISTEMA SP1NE

Small dimensions, more compact!

Safer maintenance when fibers are in operation

Allows stacking

Increased fiber capacity

Patent required

Installation

Datacenters
Telecom

Technical Specification

Cover opening	Tilted (door)
Dimensions (WxHxD) mm	90x10x155
Fiber capacity	24 FO
Spine system	Yes
Pigtails input options	8
Loose tube inlet options	8

Details

Expansive

Tilted
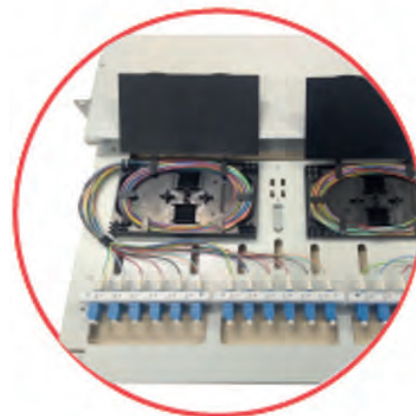
Higher FO capacity Best Handling

Rosenberger

Meet some applications
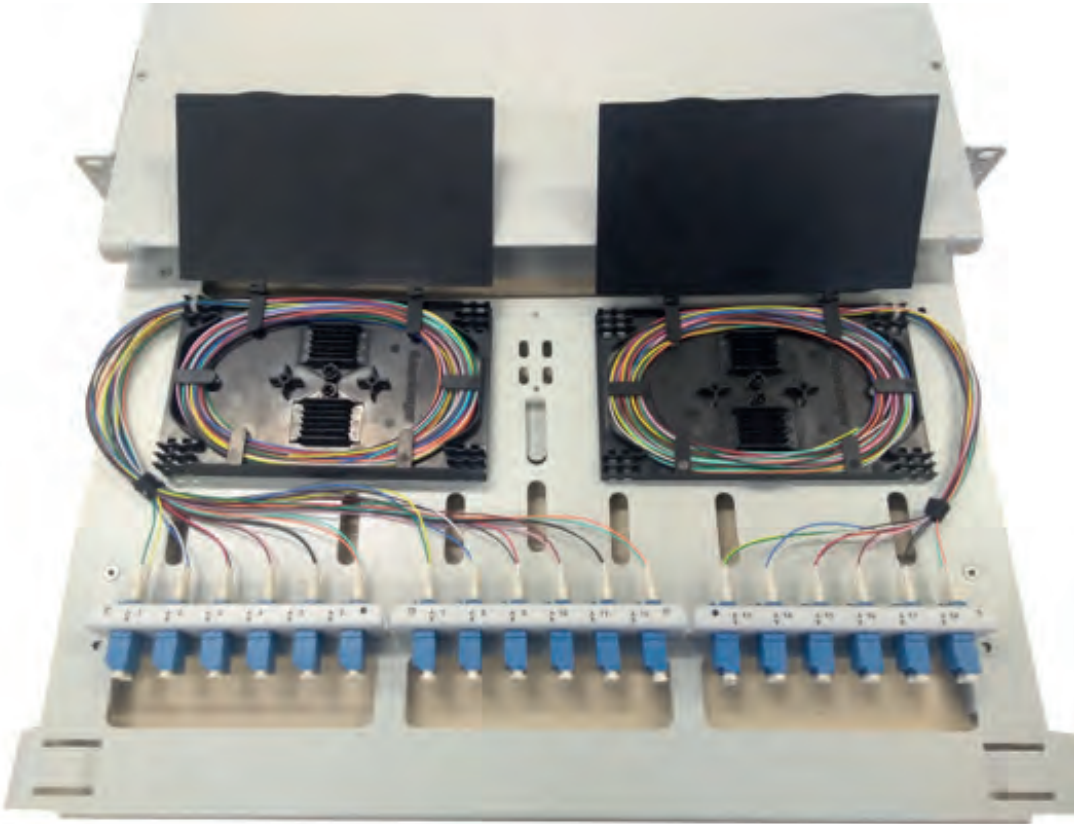
*Cassettes on
DIO Intercon II with
36 FO*
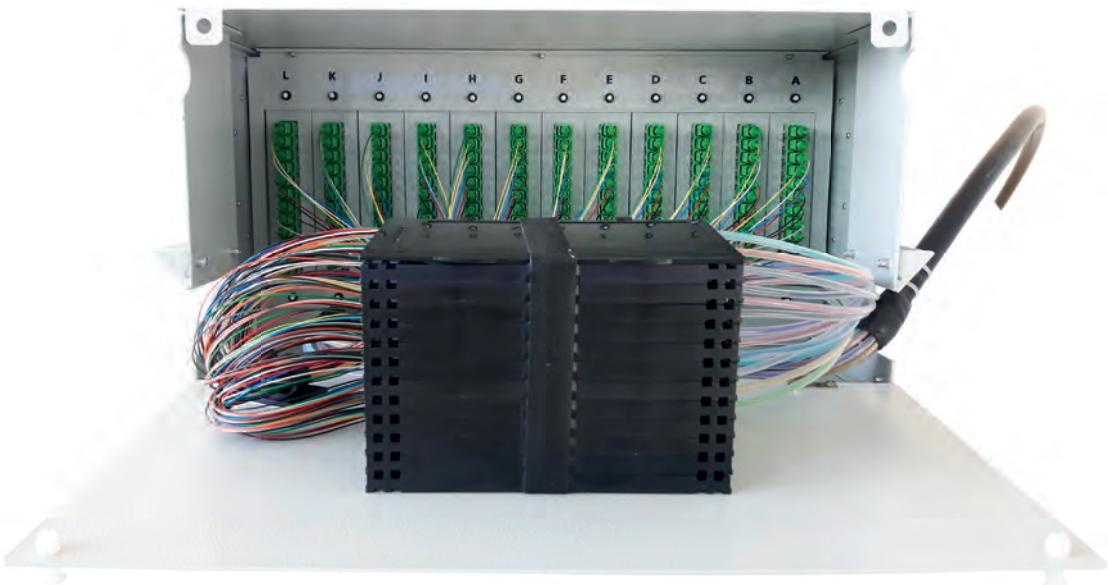
*Cassettes on
DIO Pentamax with
144 FO*

Rosenberger

FTT**x**

The advancement of data transmission technology has provided the ideal environment for the emergence of household appliances with greater data processing needs. These devices are capable of operating voice, video and data - providing interactive services directly to the end user.

This new type of technology drove the increase in data traffic, forcing the evolution of telecommunications networks, including transformation of existing infrastructure, from the transmission room (where the signal is generated) to the end user.

This megatrend culminated in the appearance of passive optical networks, commonly referred to as, FTTx (*Fiber To The x*). This access technology, based on optical fiber is characterized by using only passive components in the transport of data (equipment that does not require electricity supply). FTTx provides broadband connectivity at high transmission rates to all types of end users including offices, condominiums, business and residential neighborhoods.

The letter "x" indicates how close the optical fiber is to the end user and can be replaced according to the network topology: FTTB (*Fiber To The Building*), FTTH (*Fiber To The Home*), FTTC (*Fiber To The Curb*), FTTN (*Fiber To The Node*), FTTO (*Fiber To The Office*).

Rosenberger
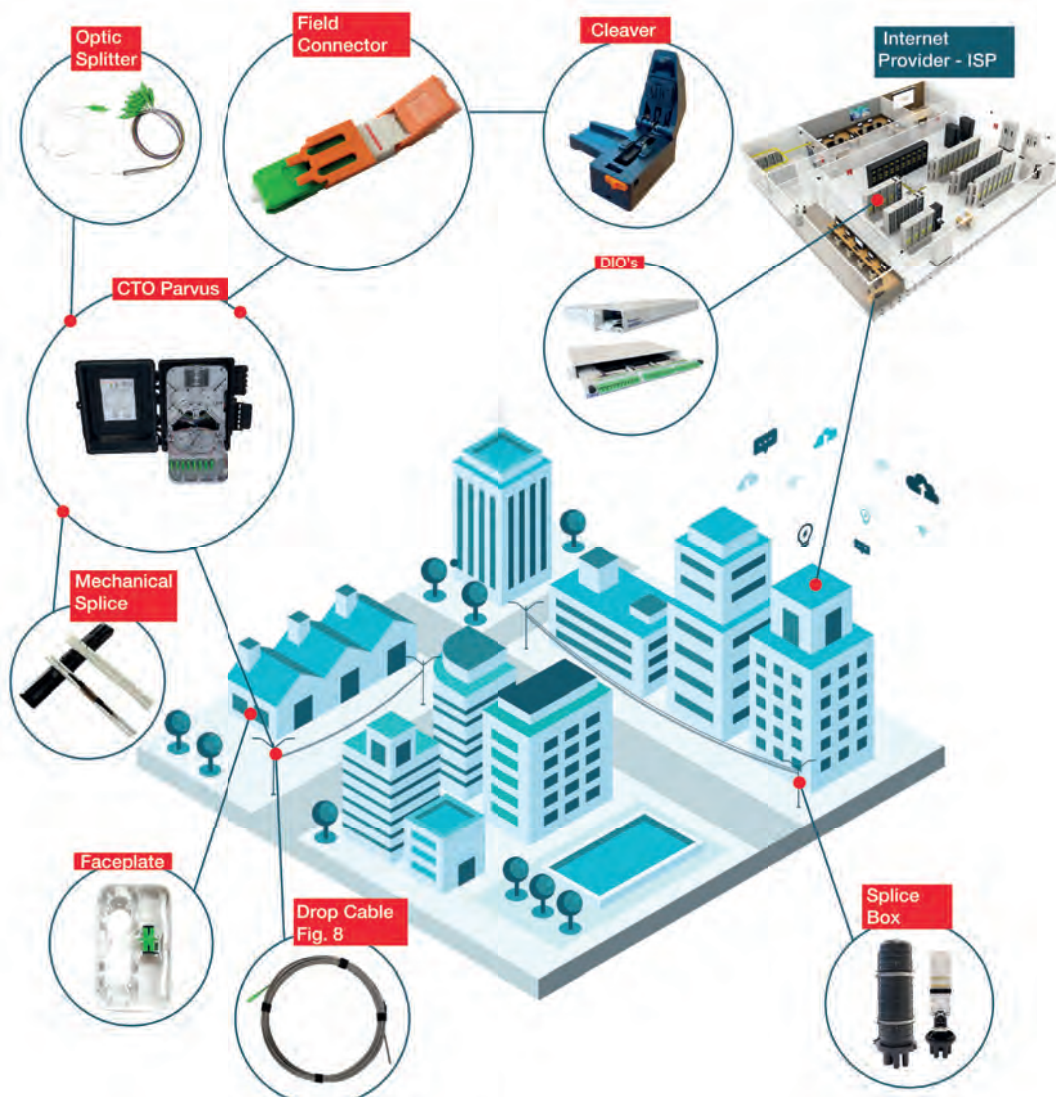
Field Connector

High reliability and stability

*Insertion loss with value
maximum 0.5 dB and typical 0.3 dB*

*Return loss with value
minimum 55dB*

Reassembly capacity up to 10x

*Compatible with flat cables
(1.6 x 2.0 mm and 2.0 x 3.0 mm)*

Available in APC and UPC polishes

*Template with ruler for verification
optical fiber strip*

*Inspection window for assembly verification
connector (optical fiber curvature)*

Simple and quick assembly in up to 1 minute

*QR code on the packaging that directs you to
the connector's assembly instructions*

easy unlock

*Easy open and
reassembly*

Model - X10

Personalized accessories in orange

Insertion guide   Cutting Jig   Fiber inspection window

Assembly tutorial
video and instruction
manual available in
Portuguese and Spanish

**Homologated for
Brazilian market**

ANATEL

Rosenberger

Optical Cleaver

Compact size

Easy handling

Low cost

*No maintenance required
or blade adjustment*

*Quick cleavage for assembly
in the field connector*

*Slide lock design that protects
the cleaver from demage*

Plastic cutting jig stand

Technical Specification

Weight (g)	45
WxHxD (mm)	36x59x53
Number of cleaver	1000

Carrying cord included

Closed

Blade button

Rosenberger

CTO Parvus

High robustness

Small dimensions

Quick and easy installation without the need for special tools

Rocker panel with capacity for up to 16 SC simplex adapters

Up-and-over door with lock

Designed for environments Indoor and Outdoor (installation on walls, posts, and strings)

Protection level IP65

Support for different optical splitter configurations - 1un 1x16 or 2un 1x8

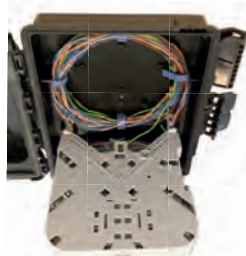**Available in colors:**

- ■ Black
- ■ Orange
- ■ Green
- ■ Yellow

Technical Specification

WxHxD (mm)	250x 300x110
Cable entry	3 inputs (Ø3 ~16 mm)
Cable outlet	16 drop cable outlets
Material	ABS plastic

Details

Sealed box

Fitting of loose tubes

Tilting panel

Homologated for Brazilian market

ANATEL

Rosenberger

Splice Box

High robustness

Aerial and underground application

*Metal tray for fitting
loose tube technical reserve*

*Maximum capacity up to 96 FO
(24 FO per cassette)*

Flexible for cable derivation/bleeding

Thermosetting pipe sealing

*Quick and easy installation without
the need for special tools*

IP68 protection level

Complete installation kit

**Comes with mounting
accessories**

**Cover and
lock**

Technical Specification

Height x Diameter (mm)	540x180 mm
Weight (Kg)	3
Material	PP
Input type	4 circular (1 cable) + 1 oval (2 cables)
Cable diameter	4 x Ø (5~18 mm) and 2 x Ø (10~25 mm)

Accessories

Heat-shrinkable tube for cable entry (1 large + 4 small)
Protection tube/fiber transport (PBT)
Tube and fiber identification label
Nylon cable ties
Desiccant aluminum cleaning tape
Grounding device
Air valve
Cable bypass clip
Grounding wire
Thermo-contracting glove
Metal clamp

**Homologated for
Brazilian market**

ANATEL

Rosenberger

Drop Cables Fig. 8 Pre-Connected

High robustness and reduced dimensions

Indoor and Outdoor Application

Self-supporting for spans up to 80 meters

Connector with SC connector

APC, PC, UPC and SPC polishes

Insertion loss with maximum value of 0.3 dB

Return loss with minimum value of 45 dB (PC) and minimum of 55 dB (APC)

Quick and easy installation

Lower labor costs of installation

Customized footage

Technical Specification

Jacket guard	LSZH
Fiber amount	1 fiber
Fiber Type	BLI single mode (G657-A1 or G657-A2)
Cable dimensions (mm)	2.0 x 5.3

Details

Drop Cable Fig.8 Self-sustaining Union - SC/APC

Homologated for Brazilian market

Rosenberger

Splitters

High reliability and stability

Low insertion loss and PDL

Customized track lengths

*Customized fiber diameter
0.25 mm or 0.90 mm*

*Available with different types of
connectors and polishes*

*Available in settings
1x2 to 1x64*

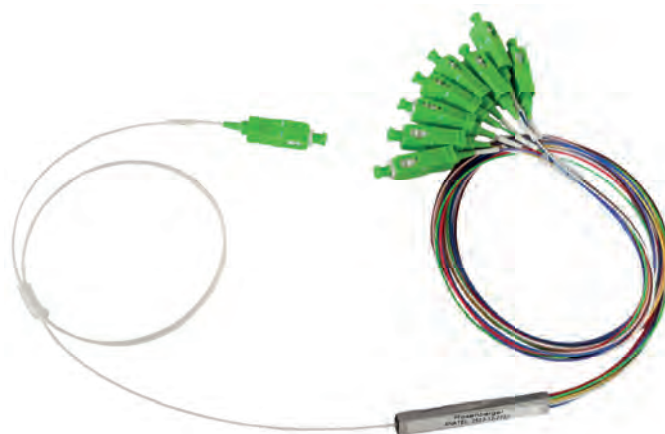*Custom SM optical fiber type
(G652.D, G657-A1, G657-A2, etc.)*

Balanced splitters

PLC technology

*Colored and ringed paths
(ABNT or international standard)*

PLC Splitter with bare fiber

Connected PLC Splitter

Parameters	1x2	1x4	1x8	1x16	1x32	1x64
1 - Operating band (nm)	1260~1650					
2 - Insertion loss (dB)	< 3.5	< 7.3	< 10.5	< 13.7	< 17.0	< 20.0
3 - Uniformity (dB)	< 0.5	< 0.8	< 1.0	< 1.3	< 1.3	< 2.5
4 - PDL (dB)	< 0.2	< 0.2	< 0.25	< 0.3	< 0.3	< 0.3
5 - Return loss (dB)	≥ 55					
6 - Directivity (dB)	≥ 55					
7 - Operating temperature (ºC)	-40 ~ +85					
8 - Storage temperature (ºC)	-40 ~ +85					
9 - Package dimensions to 0.9 mm (WxHxD) mm	7x55x4			12x60x4	20x80x6	40x100x6
10 - Package dimensions to 0.25 mm (WxHxD) mm	4x40x4			7x55x4		12x60x4

*Homologated for
Brazilian market*

ANATEL

Rosenberger

Standard Faceplate

Indoor application (suitable for wall mounting)

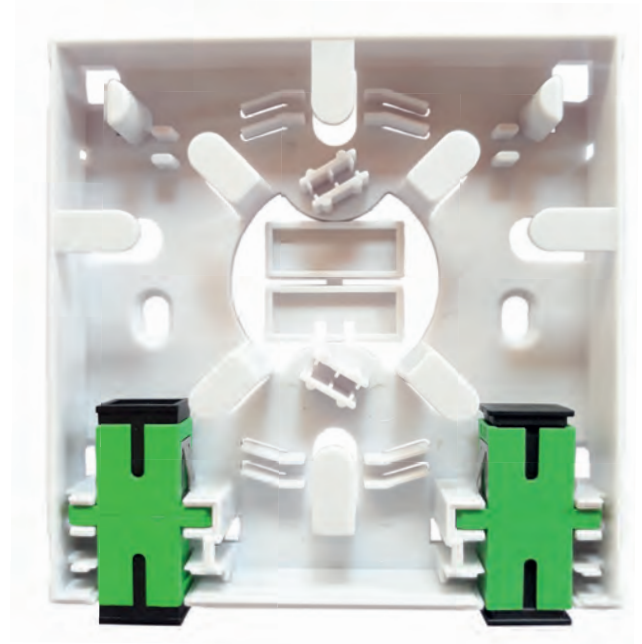Small dimensions

Top or bottom cable entry

Internal space for spare technical reserve

Made with reinforced plastic

Supports up to two SC simplex adapters

Compatible with two connection methods:

1. Direct connection of the connectorized drop cable with field connector

2. Connection of the drop cable with pigtail by means of optical fusion

Optional: The item can be supplied with pigtail and adapters

Technical Specification

WxHxD (mm)	86x86x24
Material	Reinforced plastic
Color	White

Details

Front cover image

Rear

Rosenberger

Internal Faceplate

Indoor application (suitable for wall mounting)

Small dimensions

Top or bottom cable entry

Internal space for spare technical reserve

Made with reinforced plastic

Supports a SC simplex adapter

Internally located adapter protecting the optical connection

Compatible with two connection methods:

1. Direct connection of the connectorized drop cable with field connector

2. Connection of the drop cable with pigtail by means of optical fusion

Optional: The item can be supplied with a pigtail and an adapter

Technical Specification

WxHxD mm	89.8x148.3x16
Material	Reinforced plastic
Color	White

Details

Front cover image

Rear

Rosenberger

Faceplate Protect

Indoor application (suitable for wall mounting)

Small dimensions

Top or bottom cable entry

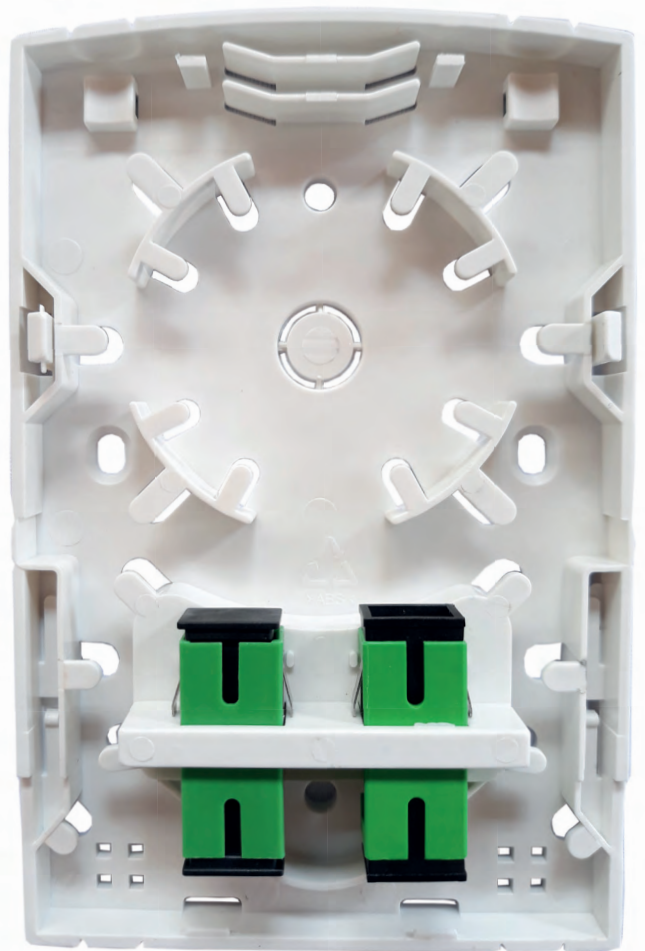*Internal space for spare technical reserve*

Made with reinforced plastic

Supports up to two SC simplex adapters

Sliding system to protect optical connections

Compatible with two connection methods:

1. Direct connection of the connectorized drop cable with field connector

2. Connection of the drop cable with pigtail by means of optical fusion

Optional: The item can be supplied with pigtail and adapters

Technical Specification

WxHxD (mm)	84.3x130x24.1
Material	Reinforced plastic
Color	White

Details

Front cover image Sliding system

Rear

Version - Apr 2022

Rosenberger

Mechanical Splice

High reliability and stability

Low insertion loss with maximum value of 0.2 dB

Reassembly capacity up to 10x

Compatible with flat cables (2.0 x 3.0 mm)

Small dimensions

Template for assistance from optical fiber stripping

Simple and quick assembly within 2 minutes

Designed for single-mode fibers

Technical Specification

WxHxD (mm)	7x8x90
Insertion loss	≤ 20 dB
Return loss	≥ 40 dB

Details

Feedback

Cable glands

Rosenberger