Less fibers, more performance.

Outstanding MTP® cabling efficiency for your data center

The fundamental concept

PreCONNECT® OCTO is a comprehensive system for structured parallel optical data transmission cabling.

By using eight fibers for each MTP® connection, Rosenberger OSI has created a high performance, efficient multifiber cabling product that optimizes results by reducing both costs and attenuation.

The system consists of:

- MTP® trunks (male) with polarity B 1 to 12
- MTP® patchcords (female) with polarity B 1 to 12
- MTP® adapters:
  Multimode type B 1 to 12
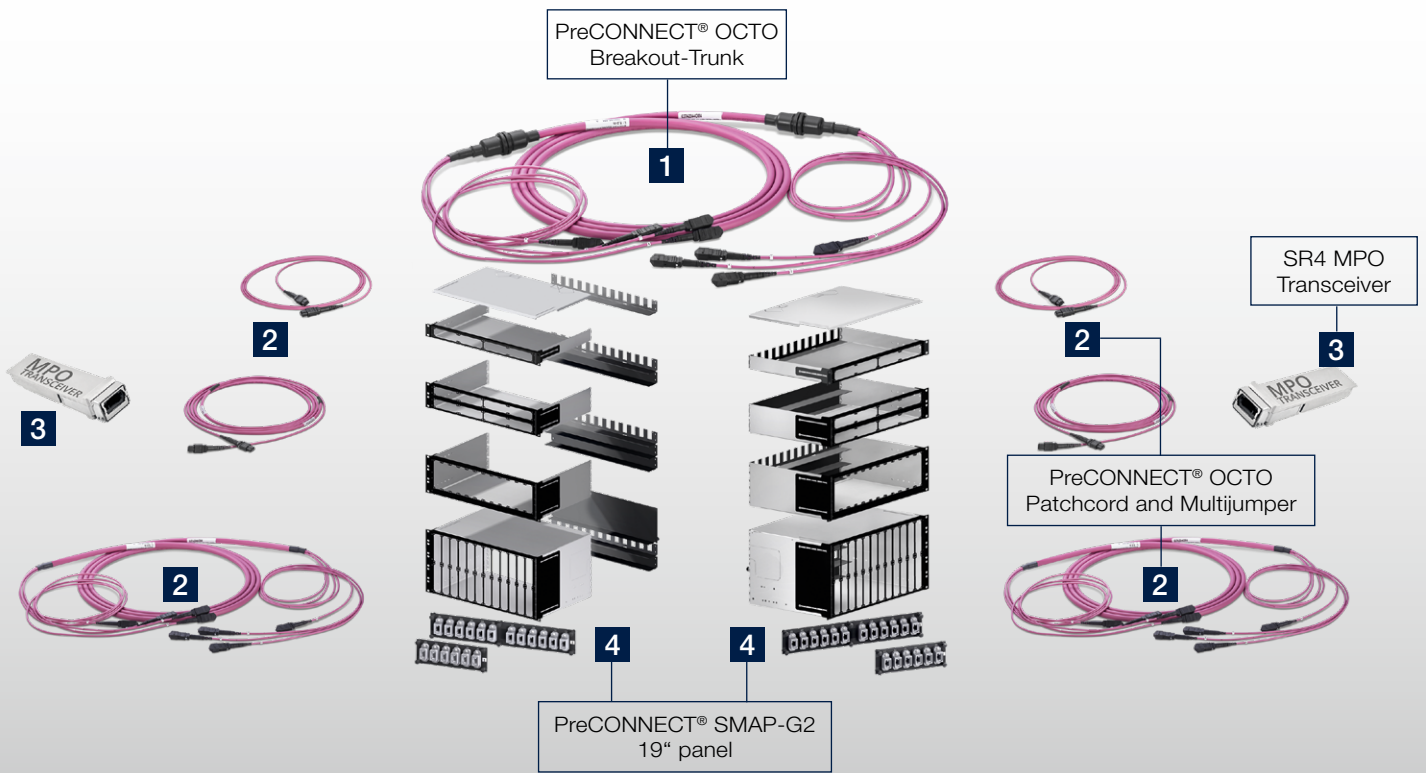 Singlemode type A 1 to 1
- SMAP-G2 panels

Applications

- 40 | 100 | 200GBASE-SR4
- 400GBASE-SR4.2 BiDi
- 4 x 16 and 4 x 32 GFC
- 100G PSM4
- 4 x 100GBASE-LR
- 400GBASE-DR4
- Simple Migration to Ethernet 400GBASE-SR8 and SR16
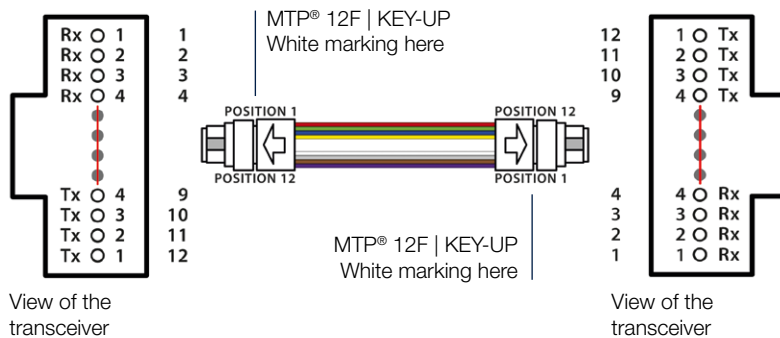
The benefits at a glance

- ✔ Cost reductions, including through the elimination of cassette modules and the use of 8-fiber instead of 12-fiber
- ✔ Totally reliable installation using plug & play system
- ✔ Reduced insertion loss
- ✔ Flexibility of migration
- ✔ Backwards compatibility

Rosenberger

Diagram labels:
- PreCONNECT® OCTO Breakout-Trunk **1**
- **2**
- **3**
- SR4 MPO Transceiver **3**
- **2**
- PreCONNECT® OCTO Patchcord and Multijumper **2**
- PreCONNECT® SMAP-G2 19" panel **4** **4**

MTP® Patchcord 8-Fiber
TIA Type B Polarity 1 to 12

Rx O 1	1
Rx O 2	2
Rx O 3	3
Rx O 4	4

MTP® 12F | KEY-UP
White marking here

POSITION 1

POSITION 12

POSITION 12

POSITION 1

12	1 O Tx
11	2 O Tx
10	3 O Tx
9	4 O Tx

Tx O 4	9
Tx O 3	10
Tx O 2	11
Tx O 1	12

MTP® 12F | KEY-UP
White marking here

4	4 O Rx
3	3 O Rx
2	2 O Rx
1	1 O Rx

View of the transceiver

View of the transceiver

Cost savings through fiber reduction
The elimination of unnecessary interfaces and cassette modules also helps cut costs and reduces channel attenuation.

Plug & Play
Thanks to the plug & play solution, the network can be used immediately without restriction following the integration of new components.