

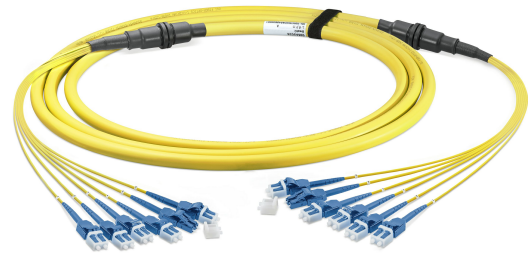
## PRODUCTPROFILE

**Catalogue number: 036A0503G657A1**

Partnumber: 752264

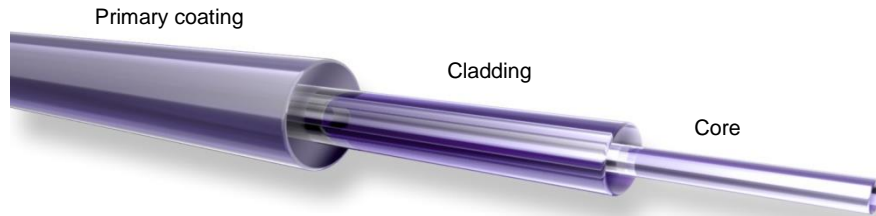
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6 channels, 12 fibers, 9/125µm, yellow  
Connector side A: LC-Compact SM  
Connector side B: LC-Compact SM  
Cable I-V(ZN)HH6x2E9/125µm



**Related documents:**

|                               |                     |
|-------------------------------|---------------------|
| DS_FASER G657A1_OE            | Fiber Data Sheet    |
| DS_I-VZNNHXX2X900X28_L_OE     | Kabeldatenblatt     |
| DS_LC_COMPACT_STECKER_SHORT_C | Steckerdatenblatt   |
| PRECONNECT_BREAKOUT_OE        | Product Information |



**Standards**

Stepped index fiber 9/125µm according to  
 -ISO/IEC 11801 und EN 50173-1 OS2  
 -IEC 60793-2-50 type B1.3  
 -ITU G.657.A1 und G.652.D

**Structure**

Silica fiber with two layer acrylate primary coating

**Geometrical properties**

|                                |                    |
|--------------------------------|--------------------|
| Modefield diameter @1310 nm    | 9.2 µm +/- 0.4 µm  |
| Modefield diameter @1550 nm    | 10.4 µm +/- 0.5 µm |
| Cladding diameter              | 125 µm +/- 0.07 µm |
| Cladding non-circularity       | ≤ 0.7 %            |
| Core-Cladding concentricity    | ≤ 0.5 µm           |
| Primary coating diameter       | 242 µm +/- 5 µm    |
| Coating-Cladding concentricity | < 12 µm            |

**Mechanical properties**

Break strength SCREEN-Test 1 % strain for 1 s @100 kpsi

**Thermal properties**

Operating temperature range -60 to +85°C

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**Transmission characteristics**

**Attenuation:**

**Cabled fiber tight buffered:** @ 1310 nm max. 0.38 dB/km  
@ 1550 nm max. 0.28 dB/km

**Cabled fiber loose tube:** @ 1310 nm max. 0.36 dB/km  
@ 1550 nm max. 0.22 dB/km

**Uncabled fiber:** @ 1310 nm max. 0.32 dB/km  
@ 1383 nm max. 0.32 dB/km  
@ 1490 nm max. 0.21 dB/km  
@ 1550 nm max. 0.18 dB/km  
@ 1625 nm max. 0.20 dB/km

**Macrobending, induced attenuation, uncabled fiber:**

Radius 10 mm, 1 turn, @ 1550 nm ≤ 0.50 dB  
Radius 10 mm, 1 turn, @ 1625 nm ≤ 1.50 dB  
Radius 15 mm, 10 turns, @ 1550 nm . 0.05 dB  
Radius 15 mm, 10 turns, @ 1625 nm ≤ 0.30 dB  
Radius 25 mm, 100 turns, @ 1310, 1550 und 1625 nm ≤ 0.01 dB

**Dispersion:**

@ 1285 - 1330 nm ≤ 3.0 ps/(nm\*km)  
@ 1550 nm ≤ 18.0 ps/(nm\*km)  
@ 1625 nm ≤ 22.0 ps/(nm\*km)

**Polarization Mode Dispersion (PMD):**

PMD Link Design Value ≤ 0.04 ps/√km  
Maximum individual fiber PMD ≤ 0.1 ps/√km

**Cut-off-Wavelength:** ≤ 1260 nm

**Effective group index of refraction:**

@ 1310 nm 1.4676  
@ 1550 nm 1.4682

**Backscatter attenuation @ 1ns pulse width:**

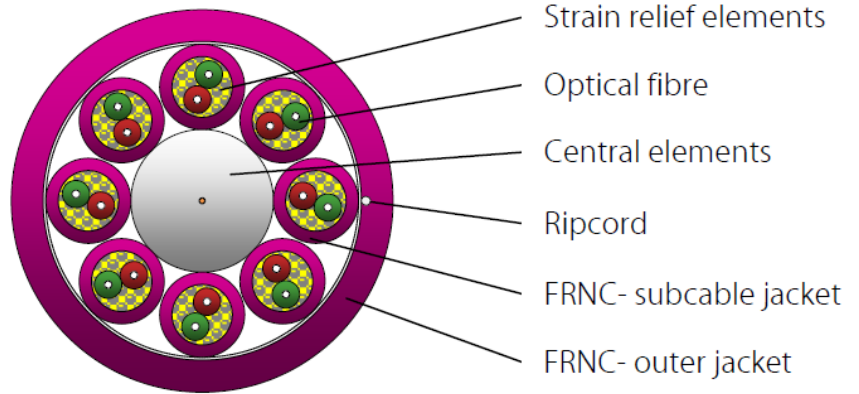
@ 1310 nm -77 dB  
@ 1550 nm -82 dB  
@ 1625 nm -83 dB

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

| Draft       | Date     | Approved | Date     | Rev. | Engineering change number | Name        | Date     |
|-------------|----------|----------|----------|------|---------------------------|-------------|----------|
| H. Jungbäck | 12-04-15 | P. Maier | 12-04-15 | 001  | without                   | H. Jungbäck | 12-04-15 |

Fiber Optic Cable  
I-V(ZN)HH n x 2 x 900 x 2.8

036AXXXX



**Standards**

-IEC 60794-2-20

**Structure**

Subcable:

- 2 buffered optical fibers 0.9mm within a subcable filled with Aramid strain relief elements with outer diameter 2.8 mm, numbering 1 to n
- Buffered fiber color code: Multimode 50/125µm = red and green; Singlemode 9/125µm = red and yellow
- Jacket material FRNC-LSZH flame-retardant and halogen-free, wall thickness 0.4 mm

Stranding:

- Subcable stranded in one layer over central element

Outer jacket:

- FRNC-LSZH flame-retardant and halogen-free material

-Standard jacket colors:

- Singlemode: yellow
- Multimode OM2: orange or green
- Multimode OM3: aqua (turquoise)
- Multimode OM4: violet

- Ripcord below jacket
- Inkjet marking black acc. to separate drawing

**Geometrical properties**

| Number of Subcables | Number of fibers | Outer diameter [mm] | Outer jacket wall thickness [mm] | Weight [kg/km] | Max. tensile force acc. to IEC 60794-1-2 E1 [N] |
|---------------------|------------------|---------------------|----------------------------------|----------------|---|
| 6                   | 12               | 10.5                | 0.9                              | 100            | 800   |
| 8                   | 16               | 12.6                | 1.1                              | 154            | 1000  |
| 12                  | 24               | 16.5                | 1.3                              | 270            | 1200  |

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Fiber Optic Cable  
I-V(ZN)HH n x 2 x 900 x 2.8

036AXXXX

**Mechanical properties**

- Min. bending radius fixed (static) acc. IEC 60794-1-2 E11A  
10 x outside diameter
- Min. bending radius during installation (dynamic) with additional tensile strain acc. IEC 60794-1-2 E6  
15 x outside diameter
- Max. crush resistance acc. IEC 60794-1-2 E3 long term = 1000 N/dm

**Thermal properties**

- Transport and storage - 25°C to + 70°C
- Installation - 5°C to + 50°C
- In use acc. IEC 60794-1-2 F1 - 10°C to + 70°C

**Chemical properties**

No resistance to oil, petrol, acid, leach and water

**Fire performance**

- Flame-retardant acc. to IEC 60332-1-2 and IEC 60332-3-22 Cat. A
- Smoke density acc. to IEC 61034
- Halogen-free acc. to IEC 60754-1
- Acidity of the combustion gases acc. to IEC 60754-2

**Transmission characteristics**

See fiber data sheets

**Applications**

- Breakout indoor cable particularly appropriate for direct assembling of LC-COMPACT, MU-COMPACT and other so called UNIBOOT connectors
- Installation in raised-floors and cable trays

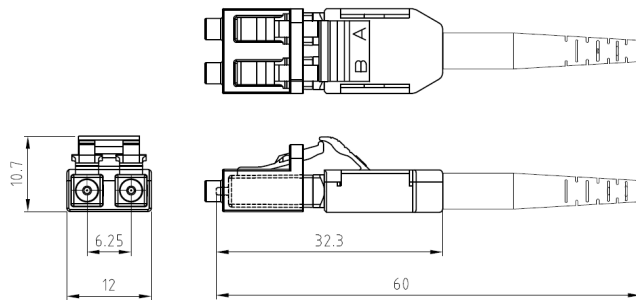
**Deliveryform**

On one-way drums

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|-------------|------------|----------|------------|------|---------------------------|------|------|
| H. Jungbäck | 2018-01-25 | P. Maier | 2018-01-25 | 001  | without                   | ---  | ---  |

LC-COMPACT Shortboot connector



**Properties and applications**

- LC-Duplex connector with compact and rugged backshell with short central strain relief and boot for round cable (Uniboot)
- A/B polarity can be easily tool-less changed
- The short boot enables the use of the connector in applications with low depth, like ODF Optical Distribution Frames
- Translucence duplex protection cap, fast and secure to handle and permeable for the light of laser pointers (visual fault locators)

**Standards**

LC-Duplex acc. to IEC/DINEN 61754-20 and EIA/TIA 604-10

**Material**

- Ferrule: Zirconia ceramic, Ø 1.25 mm
- Body: PEI, flammability UL94-V0
- Boot: TPE, flammability UL94-V0
- Protection cap: POM, flammability UL94-HB

**Optical properties**

The quality feature of the connector at your product is identified by the part number:

- BASIC: Part numbers like XXXAXXXX
- PURE: Part numbers with "P" at their end, XXXAXXXXP

Details about PURE see Produktinfo\_Qualitätsmerkmal-PURE\_od

Insertion Loss IL acc. to IEC61300-3-4, Method B, against reference, maximum [dB]:

|   | Quality feature | BASIC | PURE |
|---|-----------------|-------|------|
| - Singlemode SM, 9/125µm                        |                 | 0.30  | 0.20 |
| - Multimode OM1, 62.5/125µm                     |                 | 0.30  | ---  |
| - Multimode low IL OM2, OM3, OM4, OM5, 50/125µm |                 | 0.15  | 0.15 |

Insertion Loss IL „random mated“ acc. to IEC61300-3-34, Method 2, [dB]:

| Quality feature                                 | BASIC | mean value | maximum |
|---|-------|------------|---------|
| - Singlemode SM, 9/125µm                        |       | 0.13       | 0.50    |
| - Multimode low IL OM2, OM3, OM4, OM5, 50/125µm |       | 0.03       | 0.27    |

Insertion Loss IL quality feature PURE "random mated" application limit value, maximum [dB]:

|   |      |      |
|---|------|------|
| - Singlemode SM, 9/125µm                        | 97%  | 0.25 |
| - Multimode low IL OM2, OM3, OM4, OM5, 50/125µm | 100% | 0.40 |

**GHMT PVP certificate**  
**No.: c6997X-XX**  
**No.: c6998X-XX**



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LC-COMPACT Shortboot connector

**Optical properties**

Return Loss RL acc. to IEC61300-3-6, Method 1, against reference, minimum [dB]:

|                                  | Quality feature | BASIC | PURE |
|----------------------------------|-----------------|-------|------|
| - Singlemode SM, 9/125µm, PC 0°  |                 | 45    | 45   |
| - Singlemode SM, 9/125µm, UPC 0° |                 | 55    | 55   |
| - Singlemode SM, 9/125µm, APC 8° |                 | 65    | 70   |
| - Multimode all classes          |                 | 35    | 40   |

**Mechanical properties**

- Mating cycles min. 1000, IL increase < 0.2 dB
- Strain relief max. 100 N, dependent on cable type

**Thermal properties**

- Operation temperature range -40°C to +85°C, dependent on cable type
- Storage temperature range -40°C to +85°C

**Cable diameters**

Round cable types Ø 2.0 to 3.0 mm

**Colors**

Connector body / boot:

- Singlemode SM, 9/125µm, PC and UPC 0° blue / blue
- Singlemode SM, 9/125µm, APC 8° green / green
- Multimode OM1, 62.5/125µm beige / white
- Multimode OM2, OM3, OM4, OM5, 50/125µm black / black

**Polarity change**

1) Remove the connector top cover by inserting a fingernail or a small lever into the crack that separates the two halves.

2) Carefully swap position of the connectors by lifting them up and out of the bottom housing.

3) Reposition the top cover and snap into place.



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|-------------|------------|-------------|------------|------|---------------------------|-------------|------------|
| H. Jungbäck | 2018-12-13 | A. Burggraf | 2018-12-13 | 009  | ----                      | H. Jungbäck | 2022-10-07 |

## PreCONNECT® BREAKOUT

### PRODUCT INFORMATION

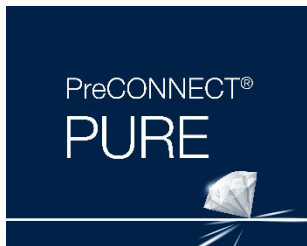




**PreCONNECT® BREAKOUT solution is available in two end face quality features: BASIC and PURE****Define the end-face quality according to your application requirements:**

**Quality feature BASIC** is our well-proven, high-grade, standards compliant product in terms of end-face geometry, defect, and cleanliness, providing excellent IL and RL performance:

- The PreCONNECT® factory-assembled plug & play system enables quick and reliable, cost efficient, installation and performance
- Harmonized modular components of the quality feature BASIC solution ensure end to end performance of the entire channel



**Quality feature PURE** is the enhanced version of our quality feature BASIC, but with more stringent defect and cleanliness screening and factory sealed, tamper evident adapter-interfaces.

- Guaranteed protection of the polished connector end-face against contamination and damage through sealed adapter-interfaces, enabling time savings during initial installation and commissioning due to the elimination of the need for cleaning and testing\*/\*\*.
- Quality feature PURE provides an industry leading low random mate insertion and return loss (mean) which enables up to six (6) mated pairs in a 10G/OM4 application up to 300m.

**Part numbers:**

**Quality feature BASIC:** The part numbers XXXAXXXX listed in this document are valid for the BASIC quality feature.

**Quality feature PURE:** Add a "**P**" to the end of the quality feature BASIC part number (*Example: XXXAXXXX**P***)

***(Note: PURE trunk cables have factory attached sealed coupling adapters incorporated and thus utilize empty patch panels and enclosures)***

*\* While Rosenberger does not require permanent link or channel testing for warranty registration of PURE installations due to guaranteed performance, certain customers will require testing documentation for their records.*

*\*\* Only applicable when all components are of quality feature PURE and installed by trained PURE installers.*

**Applications:**

Cabling of data centers and their IT rooms, data center containers and EDGE computing sites

**System consists of:**

- Factory assembled FO breakout cables, FRNC-LSZH indoor cables, up to 32 fibers
- With connector systems LC, MDC, SC and E2000™
- Three 19" panel systems selectable: Conventional distribution panels, SMAP-G2 SD, SMAP-G2 HD and SMAP-G2 UHD
- Suitable Patchcords
- Useful accessories
- Patch Location Rack



**Features:**

- For few numbers of fibers and short lengths:
  - Trunks up to 32 fibers
  - Practical lengths: Cost comparison by break-even calculation versus PreCONNECT® STANDARD
- Migration to MPO based parallel optics applications possible by using Migration-Harnesses

**Your benefits at a glance:**

- Most cost-effective solution for Trunks up to 32 fibers and short lengths
- Fast and safe installation through factory assembled Plug & Play systematic
- Highest quality and cost-efficiency through factory assembling
- PreCONNECT® cabling systems consist of perfectly harmonized modular single components

### Applications:

Cabling of data centers and their IT rooms, data center containers and EDGE computing sites.

- **Universal to use FO cabling system up to 32 fibers per Trunk**
- **Cost and attenuation optimized**
- **Focused on the useful and necessary**

### Properties:

PreCONNECT® square-interfaces on both sides which can be tool-less hooked into PreCONNECT® 19" Panels for tensile and torsion resistant fixing of the PreCONNECT® BREAKOUT Trunks.

Connector legs on both sides can be ordered application specific „variable“ all the same length, from 20cm to max. 5m, or as our „standard stepped“ fitting to our PreCONNECT® 19" Panels

Mixed configurations, ex. side A „standard stepped“ and side B „variable“ are possible too.

**Polarity:** The connector legs are alpha numerical uniquely coded. The standard polarity is „channelwise crossed“ (pairwise flipped) for full-duplex transmission systems – A1 to B1, A2 to B2, etc. On request „uncrossed“ deliverable.

**Length definition:** Order-length = length between the connectors of the longest legs at both sides, not between the PreCONNECT® square-interfaces.

**Delivery form:** Dependent on the length as cable ring or on cardboard or wooden drum, 100% IL factory measured with measurement protocol, product label with serial number on both sides.

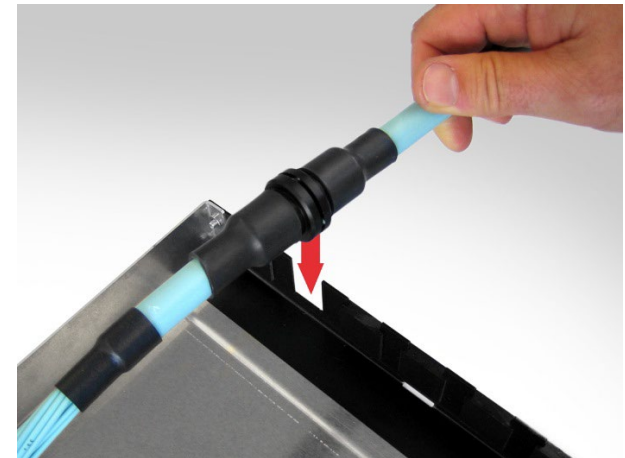
### System description:

Our PreCONNECT® BREAKOUT cabling system consists of:

- PreCONNECT® BREAKOUT Trunk called factory assembled FO breakout cables, can be ordered with application specific “variable” long connector legs
- therefore explicitly developed 19" Panel systems
- a large variety of Patchcords and accessories
- and Patch Location Racks

We consider Breakout-Trunks as an alternative product on short lengths and up to 32 fibers to our well established loose-tube cables based Trunks. Breakout-Trunks do not need cable dividers, since the connectors are directly assembled at the robust sub-elements of the breakout cables.

The „Break-Even-Length“ of Breakout-Trunks versus loose-tube cables based Trunks depends on the type. The cost reduction of the not needed cable dividers is equalized by the higher per meter price of Breakout-Trunks at certain lengths.



**Properties:**

**Breakout cable types:**

PreCONNECT® BREAKOUT Trunks are deliverable with all breakout cables up to 32 fibers, mostly used:

- Indoor cable I-V(ZN)HH, CPR class Dca, Cca and B2ca

Cable data, see separate cable data sheets.

**Fiber types:**

With all common fiber types deliverable.

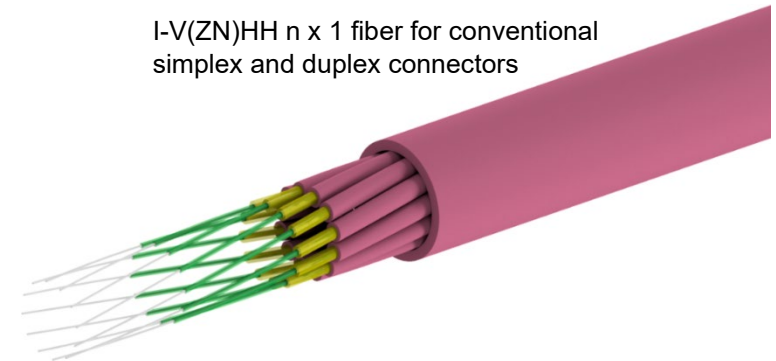
Bend-insensitive fibers by default.

Fiber data, see separate fiber data sheets.

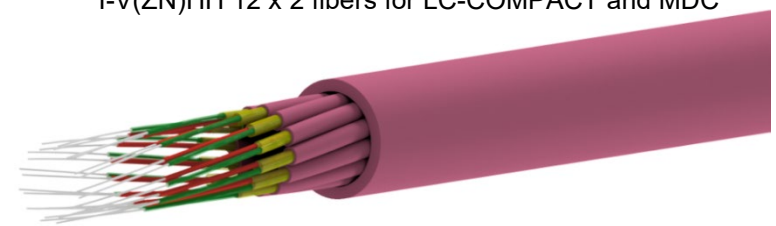
**Connector types:**

With all common connector types deliverable.

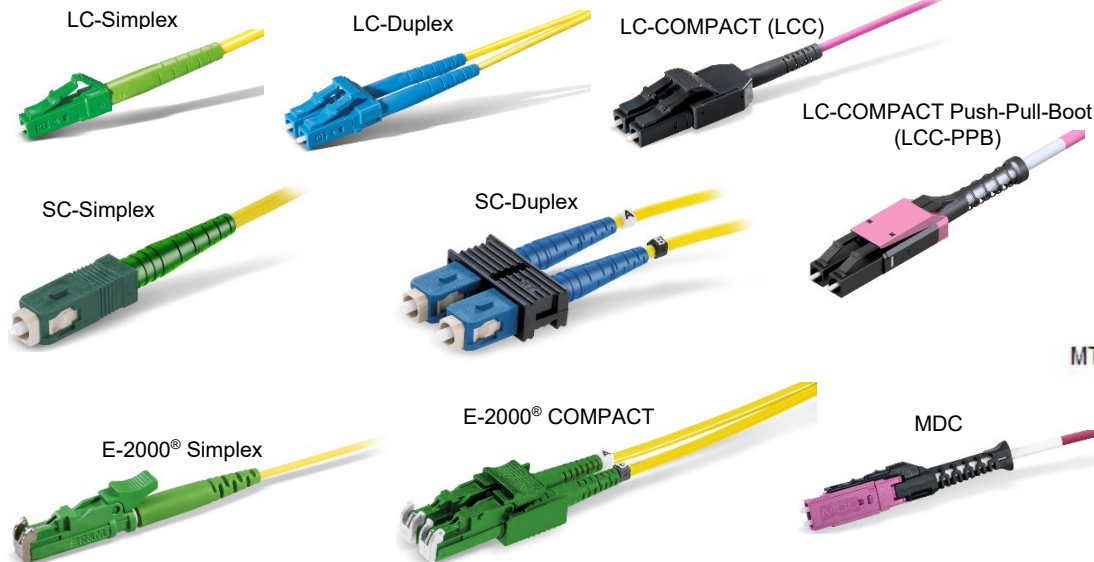
Connector data, see separate connector data sheets.



I-V(ZN)HH n x 1 fiber for conventional simplex and duplex connectors



I-V(ZN)HH 12 x 2 fibers for LC-COMPACT and MDC



MTP® see product information  
PreCONNECT® OCTO, DUODECIM und SEDECIM



MTP® Female

MTP® Male (mit Pins)

**Properties:**

**Installation protection:**

The package of application specific „variable“ legs is a not pull resistant dust-proof foil tube.

On „standard stepped“ legs you can select:

- dust-proof foil tube



- and 150 N tensile-strength, crush and kink resistant, IP50 dust-proof indoor-installation-tube

Installation Tube Indoor,  
IP50 dustproof



| <b>Standard stepped “A” leg lengths and installation tube diameters<br/>of PreCONNECT® BREAKOUT trunks, all types of connectors except SC-Duplex <sup>2)</sup></b><br><b>Steps channel/fiber 1 to n: 1 = long, n = short</b> |          |          |          |          |          |
|--|----------|----------|----------|----------|----------|
| Number of channels/fibers  | 4/8      | 6/12     | 8/16     | 12/24    | 16/32    |
| “A” leg lengths stepped from to [cm] <sup>1)</sup>   | 45 to 75 | 45 to 75 | 45 to 73 | 45 to 89 | 45 to 70 |
| Outer diameter installation tube<br>IP50 Indoor [mm]   | 30       | 30       | 30       | 30       | 30       |

<sup>1)</sup> Production tolerance – 5 cm / <sup>2)</sup> Installation tube diameter of trunks with SC-Duplex on request

**Properties:**

**Length definition:**

- Order-length = length between the connectors of the longest legs at both sides, not between the PreCONNECT® square-interfaces.
- Possible order-lengths: From 5 to 2000 meter

**Length tolerances:**

| Trunk length  | Tolerance |
|---------------|-----------|
| <= 10m        | +/- 50cm  |
| > 10m <= 30m  | +/- 100cm |
| > 30m <= 100m | +/- 150cm |
| > 100m        | +/- 2%    |

**Operating temperature range:** -10°C to +60°C

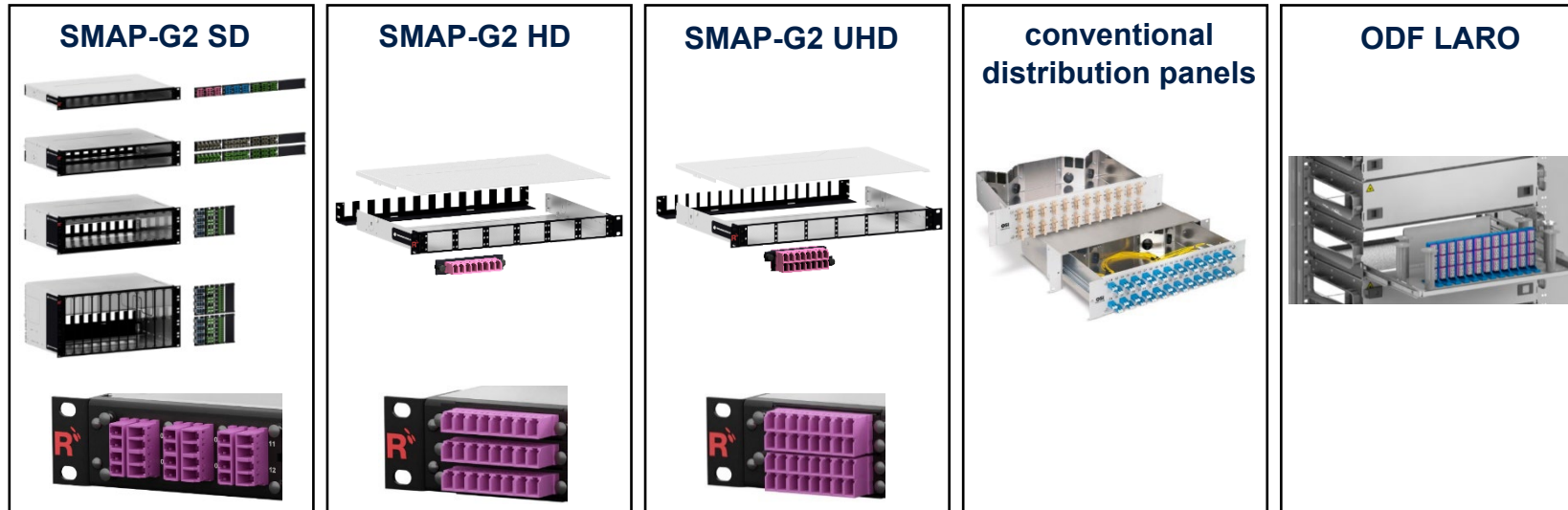
**Delivery form:**

- Dependent on the length as cable ring or on cardboard or wooden drum
- Insertion loss and return loss measured acc. to IEC 61300-3-4, method B, MM 850/1300nm and SM 1310/1550nm, with measurement protocol
- Product label with serial number at both sides



**Application of PreCONNECT® BREAKOUT Trunks and Patchcords with LC-COMPACT (LCC) and LC-COMPACT Push-Pull-Boot (LCC-PPB) in our 19" panel systems and Trunk leg lengths :**

| 19" panel systems | LC-Duplex port density per HU | Trunks with LCC | Trunks with LCC-PPB | Patchcords with LCC | Patchcords with LCC-PPB | Trunk leg lengths                |
|-------------------|-------------------------------|-----------------|---------------------|---------------------|-------------------------|----------------------------------|
| SMAP-G2 SD        | 48                            | ✓               | ✗                   | ✓                   | ✗                       | standard stepped "A length legs" |
| SMAP-G2 HD        | 72                            | ✓               | recommended         | ✗                   | ✓ required              |                                  |
| SMAP-G2 UHD       | 96                            | ✗               | ✓ required          | ✗                   | ✓ required              |                                  |
| Conventional      | 24                            | ✓               | ✗                   | ✓                   | ✗                       | standard stepped "A length legs" |
| ODF LARO          | 144 in 5 ETSI HU              | ✓               | recommended         | ✗                   | ✓ required              | extended stepped "E length legs" |



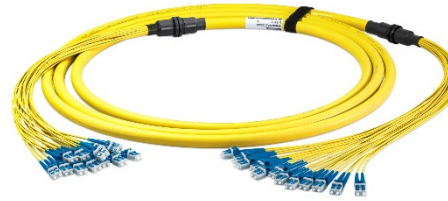
**LC-COMPACT (LCC)**



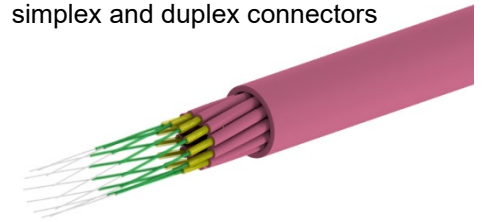
**LC-COMPACT Push-Pull-Boot (LCC-PPB)**



**PreCONNECT® BREAKOUT trunks  
with indoor cables I-V(ZN)HH  
CPR class Dca and Cca:**



I-V(ZN)HH 12 x 1 fiber for conventional simplex and duplex connectors



| Part numbers              |                        |                   |                          |          |                |                |             |
|---------------------------|------------------------|-------------------|--------------------------|----------|----------------|----------------|-------------|
| Number of channels/fibers | Cable type             | CPR class         | Connectors on both sides | length   | SM PC 0°       | SM APC 8°      | OM4         |
| 4                         | I-V(ZN)HH 4 x 1 fiber  | Dca <sup>1)</sup> | LC-Simplex               | variable | on request     | on request     | on request  |
|                           |                        |                   | LC-Duplex                | variable | 036A9034G657A1 | on request     | 036A0457OM4 |
|                           |                        |                   | SC-Simplex               | variable | 036A0526G657A1 | on request     | on request  |
|                           |                        |                   | SC-Duplex                | variable | on request     | on request     | on request  |
|                           |                        |                   | E-2000® Simplex          | variable | on request     | on request     | on request  |
|                           |                        |                   | E-2000® COMPACT          | variable | on request     | on request     | on request  |
| 12                        | I-V(ZN)HH 12 x 1 fiber | Dca <sup>1)</sup> | LC-Simplex               | variable | on request     | on request     | on request  |
|                           |                        |                   | LC-Duplex                | variable | 036A0508G657A1 | on request     | on request  |
|                           |                        |                   | SC-Simplex               | variable | on request     | on request     | 036A0527OM4 |
|                           |                        |                   | SC-Duplex                | variable | on request     | on request     | on request  |
|                           |                        |                   | E-2000® Simplex          | variable | on request     | 036A0541G657A1 | on request  |
|                           |                        |                   | E-2000® COMPACT          | variable | on request     | on request     | on request  |
| 24                        | I-V(ZN)HH 24 x 1 fiber | Dca <sup>1)</sup> | LC-Simplex               | variable | 036A0521G657A1 | on request     | on request  |
|                           |                        |                   | LC-Duplex                | variable | 036A0435G657A1 | on request     | on request  |
|                           |                        |                   | SC-Simplex               | variable | on request     | on request     | on request  |
|                           |                        |                   | SC-Duplex                | variable | on request     | on request     | on request  |
|                           |                        |                   | E-2000® Simplex          | variable | on request     | 036A0520G657A1 | on request  |
|                           |                        |                   | E-2000® COMPACT          | variable | on request     | on request     | on request  |

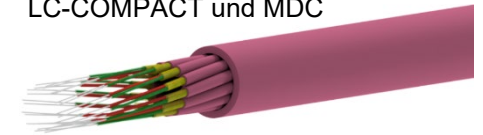
<sup>1)</sup> Cca auf Anfrage  
 Technical data of connectors, fibers and cables on request via the product profile of your selected trunks.



**PreCONNECT® BREAKOUT trunks  
with indoor cables I-V(ZN)HH  
CPR class Dca and B2ca:**



I-V(ZN)HH 12 x 2 fibers for  
LC-COMPACT und MDC



| Part numbers              |                        |                   |                          |          |                |                |             |
|---------------------------|------------------------|-------------------|--------------------------|----------|----------------|----------------|-------------|
| Number of channels/fibers | Cable type             | CPR class         | Connectors on both sides | length   | SM PC 0°       | SM APC 8°      | OM4         |
| 4/8                       | I-V(ZN)HH 4 x 2 fiber  | Dca <sup>2)</sup> | LC-COMPACT               | variable | 036A0532G657A1 | 036A0524G657A  | 036A0510OM4 |
|                           |                        |                   | LC-COMPACT PPB           | variable | 036A0545G657A1 | on request     | 036A0546OM4 |
|                           |                        |                   | MDC                      | variable | on request     | on request     | on request  |
| 6/12                      | I-V(ZN)HH 6 x 2 fiber  | Dca <sup>2)</sup> | LC-COMPACT               | variable | 036A0503G657A  | on request     | 036A0503OM4 |
|                           |                        |                   | LC-COMPACT PPB           | variable | on request     | on request     | on request  |
|                           |                        |                   | MDC                      | variable | on request     | on request     | on request  |
| 8/16                      | I-V(ZN)HH 8 x 2 fiber  | Dca <sup>2)</sup> | LC-COMPACT               | variable | 036A0547G657A1 | on request     | 036A0517OM4 |
|                           |                        |                   | LC-COMPACT PPB           | variable | 036A0548G657A1 | on request     | 036A0549OM4 |
|                           |                        |                   | MDC                      | variable | on request     | on request     | on request  |
| 12/24                     | I-V(ZN)HH 12 x 2 fiber | Dca <sup>2)</sup> | LC-COMPACT               | variable | 036A0509G657A1 | 036A0543G657A1 | 036A0504OM4 |
|                           |                        |                   | LC-COMPACT PPB           | variable | on request     | on request     | on request  |
|                           |                        |                   | MDC                      | variable | on request     | on request     | 036A0544OM4 |
| 16/32                     | I-V(ZN)HH 16 x 2 fiber | Bca               | LC-COMPACT               | variable | on request     | on request     | 036A0550OM4 |
|                           |                        |                   | LC-COMPACT PPB           | variable | on request     | on request     | on request  |
|                           |                        |                   | MDC                      | variable | on request     | on request     | on request  |

<sup>2)</sup> Change to B2ca once Dca inventory is used up  
 Technical data of connectors, fibers and cables on request via the product profile of your selected trunks.

## About Rosenberger OSI:

Since 1991, Rosenberger Optical Solutions & Infrastructure (Rosenberger OSI) has been a recognized expert for fiber-based connectivity, cabling solutions and infrastructure services in the areas of data centers, local area networks, mobile networks and industrial applications. As an integrated solution provider, we have high expertise in the development and operational excellence in the production of system solutions for communication networks. Our comprehensive services enable the secure and efficient operation of digital infrastructures. This combination, combined with our strong customer focus, makes us unique and a strong partner in the global market.

Rosenberger OSI has been part of the globally operating Rosenberger Group since 1998. The Rosenberger Group is a leading global provider of high-frequency, high-voltage and fiber optic connectivity solutions with headquarters in Germany. For further information, please visit: [www.rosenberger.com/osi](http://www.rosenberger.com/osi)

# Rosenberger

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