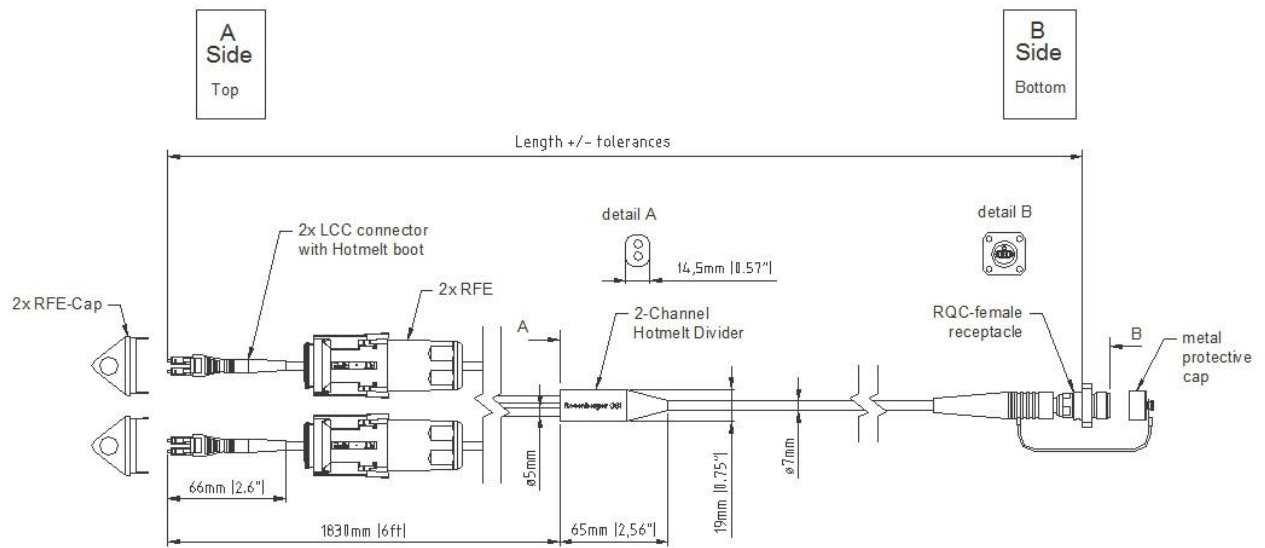




All dimensions are in mm; tolerances according to ISO 2768 m-H

### Description

This FTTA trunk is using the 4 fiber Rosenberger Quad Connector (RQC) female on B Side. The A side is split in 2 individual channel. Each channel is using an overmolded Rosenberger LC Compact connector. The Rosenberger Fiber Enclosure is perfectly sealing each LC Connector when connected. Each RFE comes with a protection cap which can be used for hoisting the assembly. The assembly is fully water proofed (IP67) when connected.

### Available Variants

| Type              | Length (mm) | weight (g) / pce |
|-------------------|-------------|------------------|
| L98B-A0102-20000  | 20000±100   | tbd              |
| L98B-A0102-50000  | 50000±150   | tbd              |
| L98B-A0102-70000  | 70000±150   | tbd              |
| L98B-A0102-100000 | 100000±150  | tbd              |

Cable assemblies in additional length variants are available on request.

### Parts

|                  |                                                        |
|------------------|--------------------------------------------------------|
| Connector bottom | 1 x 4 fiber RQC female with metal cap, single mode     |
| Connector top    | 2x Rosenberger LC Compact, overmolded black shortboot. |
| RFE              | 2x Rosenberger fiber enclosure (see 98Z105-S00)        |
| RFE cap          | 2x 98Z105-S00/53                                       |
| Cable            | FR PVC, black                                          |

## Technical Data Sheet

FTTA Fiber Trunk  
2xLCC+RFE – 9µG657 – RQC (f)

**FB-L98B-A0102-XXX**

### Optical data

|                  |                                                                    |
|------------------|--------------------------------------------------------------------|
| Cable            | 4 fibers                                                           |
| Fiber            | 9/125 µm single mode optical fiber according to ITU-T G.657A2      |
| Insertion loss   | ≤ 0.35 dB / km      λ = 1310 nm<br>≤ 0.25 dB / km      λ = 1550 nm |
| Connector side B | RQC female 4 fiber                                                 |
| Insertion loss   | max. 0.50 dB                                                       |
| Return loss      | typ. 50 dB (SM)                                                    |
| Connector side A | Rosenberger LC Compact                                             |
| Insertion loss   | max. 0.30 dB                                                       |
| Return loss      | typ. 55 dB (UPC)                                                   |

### Mechanical data

|                                     |                 |
|-------------------------------------|-----------------|
| Cable diameter, jacket              | 7,0 mm          |
| <b>Minimum bending radius cable</b> |                 |
| Installation                        | 105 mm          |
| Operation                           | 70 mm           |
| <b>Max. tensile strength cable</b>  |                 |
| Short-term                          | 1200N           |
| Long-term                           | 600N            |
| <b>Crush resistance</b>             |                 |
| Short -term                         | 2200 N / 100 mm |
| Long-term                           | 800 N / 100 mm  |

### Environmental data

|                                |                     |
|--------------------------------|---------------------|
| Temperature range operation    | -40 °C to +85 °C    |
| Temperature range storage      | -55 °C to +85 °C    |
| Temperature range installation | - 20 °C to +60 °C   |
| RoHS                           | compliant           |
| Flame retardant                | acc. to IEC 60332-1 |

### Packing

|           |              |
|-----------|--------------|
| Standard: | 1 pce in box |
|-----------|--------------|

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           |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|----------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------|----------------|
| U.Albrecht                                                                                                                                | 11/11/14 | A.Koop   | 11/11/14 | 100                                                                                                                                       | 14-0004                   | U.Albrecht | 11/11/14       |
| Corporate Headquarters<br>Rosenberger Hochfrequenztechnik GmbH & Co. KG<br>P.O. Box 1260 D-84526 Tittmoning Germany<br>Tel. +49 8684 18-0 |          |          |          | Rosenberger Site Solutions, LLC<br>P.O. Box 4268, Lake Charles, LA 70606<br>Ph.337.598.5250 Fax: 337.598.5290 rlss@rlss.us<br>www.rlss.us |                           |            | Page<br>2 of 2 |