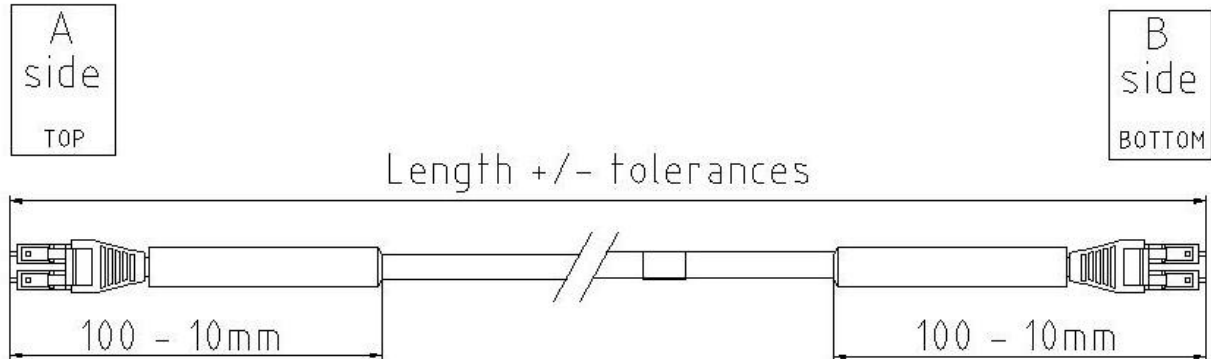


## Technical Data Sheet

**Rosenberger**  
Rosenberger Site Solutions, LLC

FTTA Fiber Cable Assembly  
LCC – 9uG657 - LCC

**FB-L98B-035-XXX**



Fiber Chart

| From: | To: |
|-------|-----|
| A     | B   |
| B     | A   |

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

### Description

These fiber optic jumper cable assemblies connect remote radio heads in telecommunication applications. Side A is equipped with an LC- Compact connector, on side B there is a 2.9mm fan-out with an LC-compact connector. There is a hotmelt divider on each side at this jumper cable assembly. The assembly can be used indoor and outdoor. The cable is UV protected and riser rated.

### Available Variants

| Type               | Length (mm) | weight (g) / pce |
|--------------------|-------------|------------------|
| FB-L98B-035-5000   | 5000±500    | 260              |
| FB-L98B-035-10000  | 10000±500   | 520              |
| FB-L98B-035-20000  | 20000±1000  | 1040             |
| FB-L98B-035-50000  | 50000±1000  | 2600             |
| FB-L98B-035-75000  | 75000±1000  | 3900             |
| FB-L98B-035-100000 | 100000±1000 | 5200             |

Other length are available on request.

### Parts

|                  |                                                                          |
|------------------|--------------------------------------------------------------------------|
| Connector top    | 1 x LC-Compact, single mode                                              |
| Connector bottom | 1 x LC-Compact, single mode                                              |
| Cable            | UL-approval UL 1651 OFNR (UL1666)<br>Flame retardant acc. to IEC 60332-1 |

## Technical Data Sheet

FTTA Fiber Cable Assembly  
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### Optical data

|                |                                                                                    |
|----------------|------------------------------------------------------------------------------------|
| Cable          | 2 fibers                                                                           |
| Fiber          | 9/125 $\mu$ m single mode optical fiber according to ITU-T G.657A1 and G652D       |
| Insertion loss | $\leq 0.35$ dB / km $\lambda = 1310$ nm<br>$\leq 0.25$ dB / km $\lambda = 1550$ nm |
| Connectors     | LC-Compact                                                                         |
| Insertion loss | typ. 0.10 dB<br>max. 0.30 dB                                                       |
| Return loss    | typ. 50 dB (UPC)                                                                   |

### Mechanical data

|                                                           |             |
|-----------------------------------------------------------|-------------|
| Cable diameter, jacket                                    | 7 mm        |
| <b>Minimum bending radius cable</b>                       |             |
| Installation                                              | 105 mm      |
| Operation                                                 | 70 mm       |
| <b>Max. tensile strength cable</b>                        |             |
| Installation                                              | 1200 N      |
| Permanent                                                 | 600 N       |
| <b>Crush resistance</b>                                   |             |
| Short term                                                | 2200 N / dm |
| Long term                                                 | 800 N / dm  |
| <b>Impact resistance acc. to IEC 60794-1-2, method E4</b> |             |
| 3 Impacts                                                 | 1.5 Nm      |

### 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 |
| 2002/95/EC (RoHS)              | compliant        |

### Packing

|                     |                         |
|---------------------|-------------------------|
| Standard            |                         |
| Length < 30 m       | 3 pce in box            |
| Length $\geq 30$ m  | 1 pce in box            |
| Length $\geq 175$ m | 1 pce on cardboard drum |

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           |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|----------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------|----------------|
| A.Burggraf                                                                                                                                | 16/11/11 | S.Gleich | 16/11/11 | 200                                                                                                                                       | 11-0005                   | A.Burggraf | 21/11/11       |
| 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 |