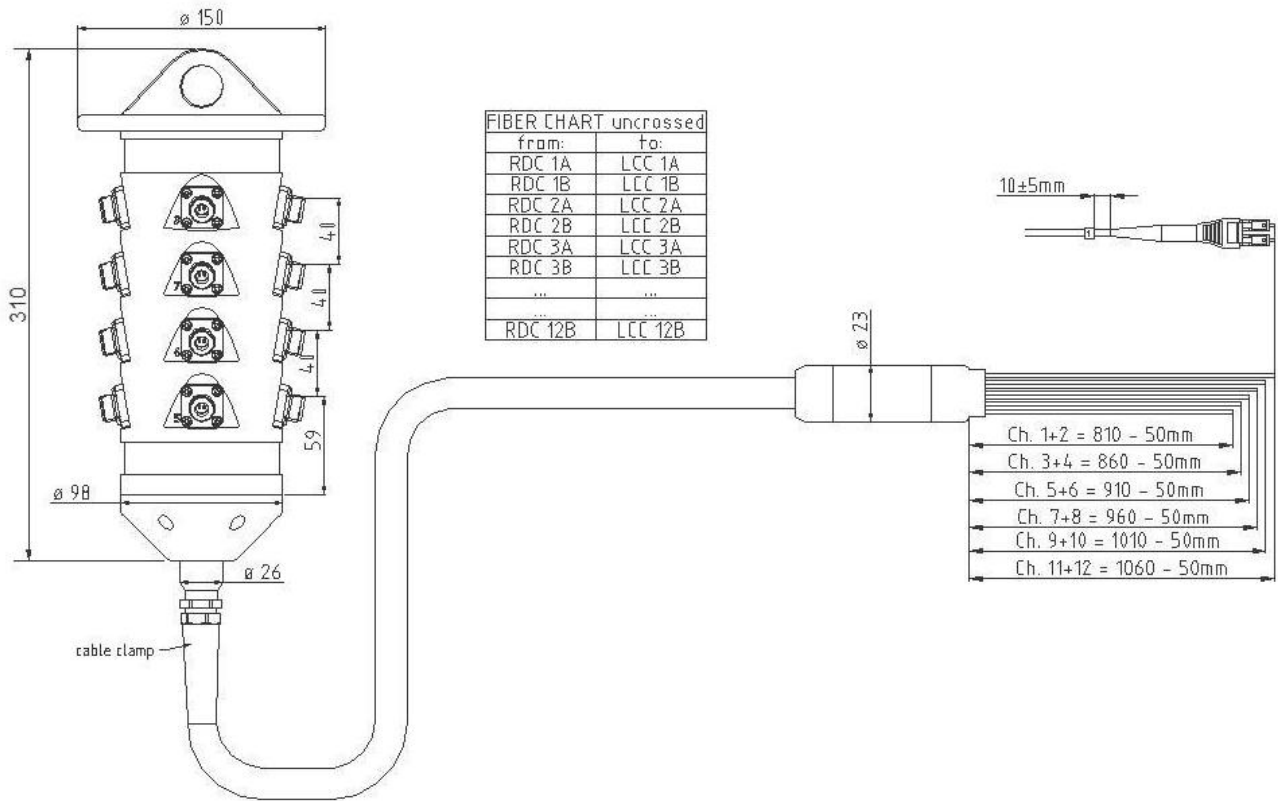


## FTTA Fiber Trunk

RDCf – 9uG657 – LCC (Tower Multi Fiber System)

## FB-L98B-A0100-XXX



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

### Description

The FTTA fibre trunk is a fibre optical cable assembly that is connecting base stations and remote radio heads in telecommunication applications. The fiber end on top, is terminated in a round fiber housing that ensures full protection to the fiber ends at a minimum of wind load for your installation. Hoisting of the assembly is possible by using the hole on top of the housing.

The product can be used indoor and outdoor. All components are UV and IP67 protected.

The cable is riser rated.

Bottom side comes with an outdoor installation tube, which ensures easy handling and full protection in an outdoor environment.

### Available Variants

#### Type

L98B-A0100-25000

L98B-A0100-50000

L98B-A0100-100000

#### Length (mm)

25000±1000

50000±1000

100000±1500

#### weight (g) / pce

4625

6750

11000

Other length on request

### Parts

Connector top

Connector bottom

Fibre housing top

12 x Rosenberger Duplex Connector (RDCf), single mode

12 x LC-Compact Duplex, single mode

PE-HD (Polyethylene-HD is suitable for outdoor using)

screws: stainless steel

## Technical Data Sheet

### FTTA Fiber Trunk

RDCf – 9uG657 – LCC (Tower Multi Fiber System)

**FB-L98B-A0100-XXX**

Cable OFNR, UL 1666

Fiber marking, bottom

Identification ring on single fan-out

Fiber marking, top

Channel number engraved in body

#### Optical data

Cable

24 fibers G657A2

Fiber

9/125  $\mu$ m single mode optical fiber according to ITU-T G.657A2 and G.652D

Insertion loss

$\leq 0.35$  dB / km

$\lambda = 1310$  nm

$\leq 0.25$  dB / km

$\lambda = 1550$  nm

Connectors bottom

LC-Compact Duplex

Insertion loss

typ. 0.10 dB

max. 0.30 dB

Return loss

typ. 50 dB (UPC)

Connectors top

Rosenberger Duplex Connector (RDC)

Insertion loss

typ. 0.25 dB

Max. 0.5 dB

Return loss

typ. 50 dB

#### Mechanical data

##### Cable

Cable diameter, jacket

10 mm

Protection tube diameter

34 mm

##### Minimum bending radius cable

Installation

188 mm

Operation

94 mm

##### Max. tensile strength cable

Installation

2700 N (607 lb)

Permanent

890 N (200 lb)

Crush resistance

2200 N / 100 mm (494 lb / 100 mm)

##### Minimum bending radius single fan-out

Single

30 mm

Repeated

30 mm

Max. tensile strength

100 N (22 lb)

## Fiber housing

### Dimensions

#### Diameter:

cover

150 mm

accessory cover

98 mm

body

98 mm

Height:

310 mm

Weight:

2200 g

Waterprotection

IP67

UV protection

suitable for outdoor using

Pulling force housing (short term)

max. 1000 N

## Technical Data Sheet

**Rosenberger**  
Rosenberger Site Solutions, LLC

### FTTA Fiber Trunk

RDCf – 9uG657 – LCC (Tower Multi Fiber System)

**FB-L98B-A0100-XXX**

#### Environmental data

Temperature range operation  
Temperature range storage  
Temperature range installation  
RoHS

-40 °C to +80 °C (-40 °F to 176 °F)  
-40 °C to +80 °C (-40 °F to 176 °F)  
-10 °C to +65 °C (14 °F to 149 °F)  
compliant

#### Packing

Standard:

Length ≤ 25 m  
25 m < Length ≤ 75 m  
Length > 75 m

1 pce in box 520mmx500mmx160mm  
1 pce on cardboard drum (Ø 500 mm)  
1 pce on cardboard drum (Ø 800 mm)

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                                                                                                                                | 30/10/14 |          |      | 100                                                                                                                                       | 14-0004                   | A.Burggraf | 30/10/14       |
| 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>3 of 3 |