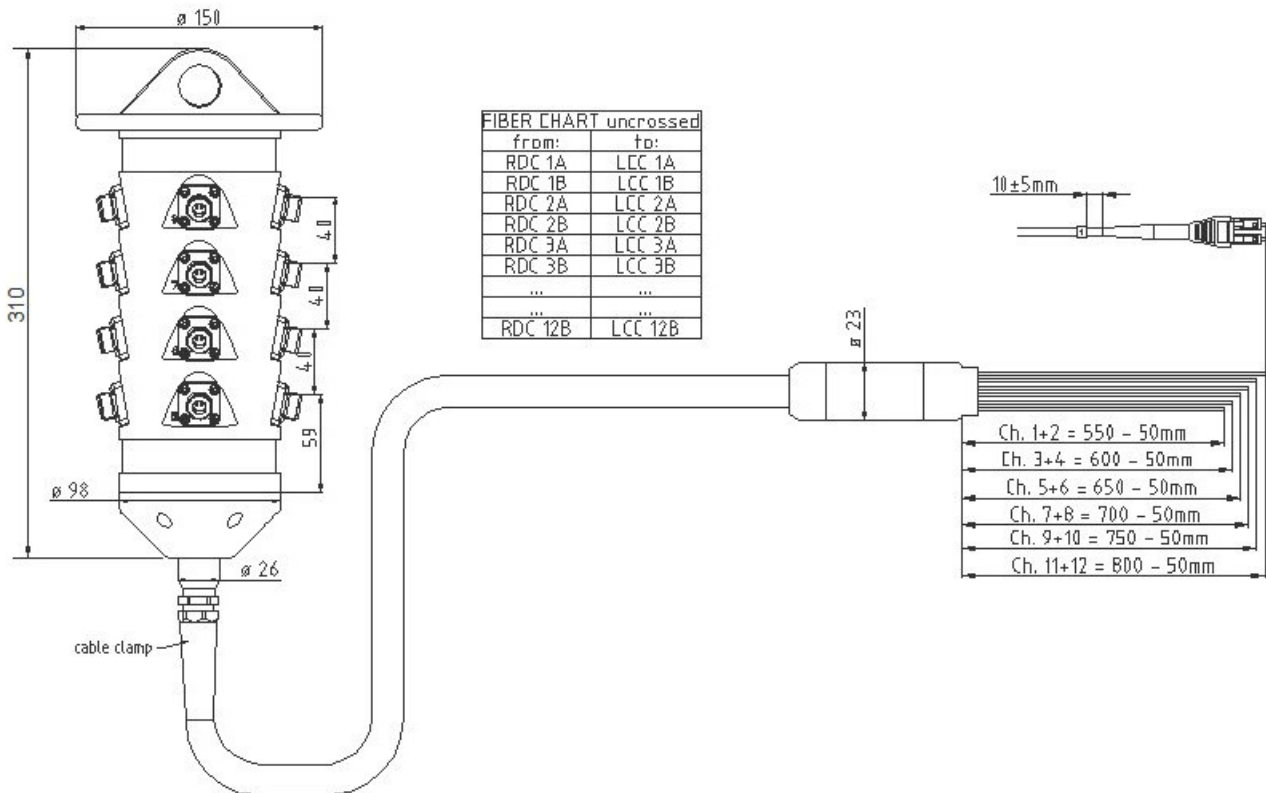


## FTTA Fiber Trunk

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

**FB-L98B-079-XXXXXX**



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           | Length (mm) | weight (g) / pce |
|----------------|-------------|------------------|
| L98B-079-25000 | 25000±1000  | 4625             |
| L98B-079-50000 | 50000±1000  | 6750             |
| L98B-079-80000 | 80000±1500  | 9300             |

Other length on request

### Parts

|                   |                                                       |
|-------------------|-------------------------------------------------------|
| Connector top     | 12 x Rosenberger Duplex Connector (RDCf), single mode |
| Connector bottom  | 12 x LC-Compact Duplex, single mode                   |
| Fibre housing top | PE-HD (Polyethylene-HD is suitable for outdoor using) |
|                   | screws: stainless steel                               |
| Cable             | OFNR, UL 1666                                         |

## Technical Data Sheet

### FTTA Fiber Trunk

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

**FB-L98B-079-XXXXXX**

Fiber marking, bottom

Fiber marking, top

Identification ring on single fan-out

Channel number engraved in body

#### Optical data

Cable

Fiber

24 fibers G657A2

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

Insertion loss

LC-Compact Duplex

typ. 0.10 dB

max. 0.30 dB

Return loss

typ. 50 dB (UPC)

Connectors top

Insertion loss

Rosenberger Duplex Connector (RDC)

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-079-XXXXXX**

#### Environmental data

|                                |                                     |
|--------------------------------|-------------------------------------|
| Temperature range operation    | -40 °C to +80 °C (-40 °F to 176 °F) |
| Temperature range storage      | -40 °C to +80 °C (-40 °F to 176 °F) |
| Temperature range installation | -10 °C to +65 °C (14 °F to 149 °F)  |
| 2002/95/EC (RoHS)              | compliant                           |

#### Packing

Standard:

|                      |                                    |
|----------------------|------------------------------------|
| Length ≤ 25 m        | 1 pce in box 520mmx500mmx160mm     |
| 25 m < Length ≤ 75 m | 1 pce on cardboard drum (Ø 500 mm) |
| Length > 75 m        | 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                                                                                                                                | 21/01/13 | S.Gleich | 22.01.13 | 100                                                                                                                                       | 13-0004                   | A.Burggraf | 21/01/13       |
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