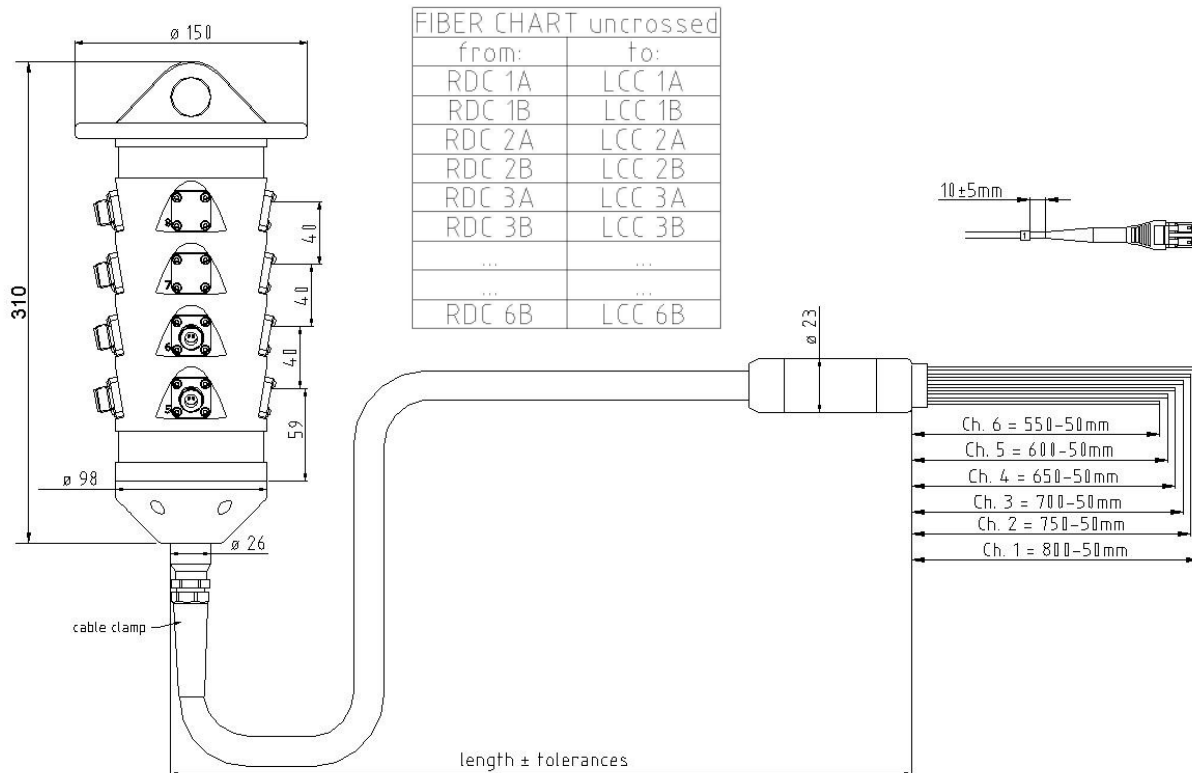


FTTA Fibre Trunk

RDCf – 50µOM2 –LCC (Tower Multi Fibre System)

FB-L98C-041-XXX



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

Description

The FTTA fiber trunk is a fiber 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 fibre 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

L98C-041-25000
L98C-041-50000
L98C-041-100000

Length (mm)

25000±1000
50000±1000
100000±1500

weight (g) / pce

3500
7500
12500

Other length on request

Parts

Connector top
Connector bottom
Fibre housing top

6 x Rosenberger Duplex Connector (RDCf), multi mode
6 x LC-Compact Duplex, multi mode
PE-HD (Polyethylene-HD is suitable for outdoor using)
screws: stainless steel
LSZH with non metallic rodent protection

Cable

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Fiber marking, bottom

Fiber marking, top

Identification ring on single fan-out

Channel number engraved in body

Optical data

Cable

12 fibers

Fibre

50/125µm OM2 optical fiber acc. to ITU G651.1

Insertion loss

≤ 2.30 dB / km

λ = 850 nm

≤ 0.60 dB / km

λ = 1300 nm

Connectors bottom

LC-Compact Duplex

Insertion loss

typ. 0.10 dB

max. 0.30 dB

Connectors top

Rosenberger Duplex Connector (RDC)

Insertion loss

typ. 0.25 dB

Max. 0.5 dB

Mechanical data

Cable

Cable diameter, jacket

10 mm

Protection tube diameter

34 mm

Minimum bending radius cable

Installation

200 mm

Operation

150 mm

Max. tensile strength cable

Permanent

2000 N (450 lb)

Crush resistance

3000 N / 100 mm (675 lb / 100 mm)

Minimum bending radius single fan-out

Single

30 mm

Repeatd

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

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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	-20 °C to +60 °C (-4 °F to 140 °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	07/01/13	S.Gleich	09/01/13	100	13-0004	A.Burggraf	07/01/13

Corporate Headquarters
Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O. Box 1260 D-84526 Tittmoning Germany
Tel. +49 8684 18-0

Rosenberger Site Solutions, LLC
P.O. Box 4268, Lake Charles, LA 70606
Ph.337.598.5250 Fax: 337.598.5290 rlss@rlss.us
www.rlss.us

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