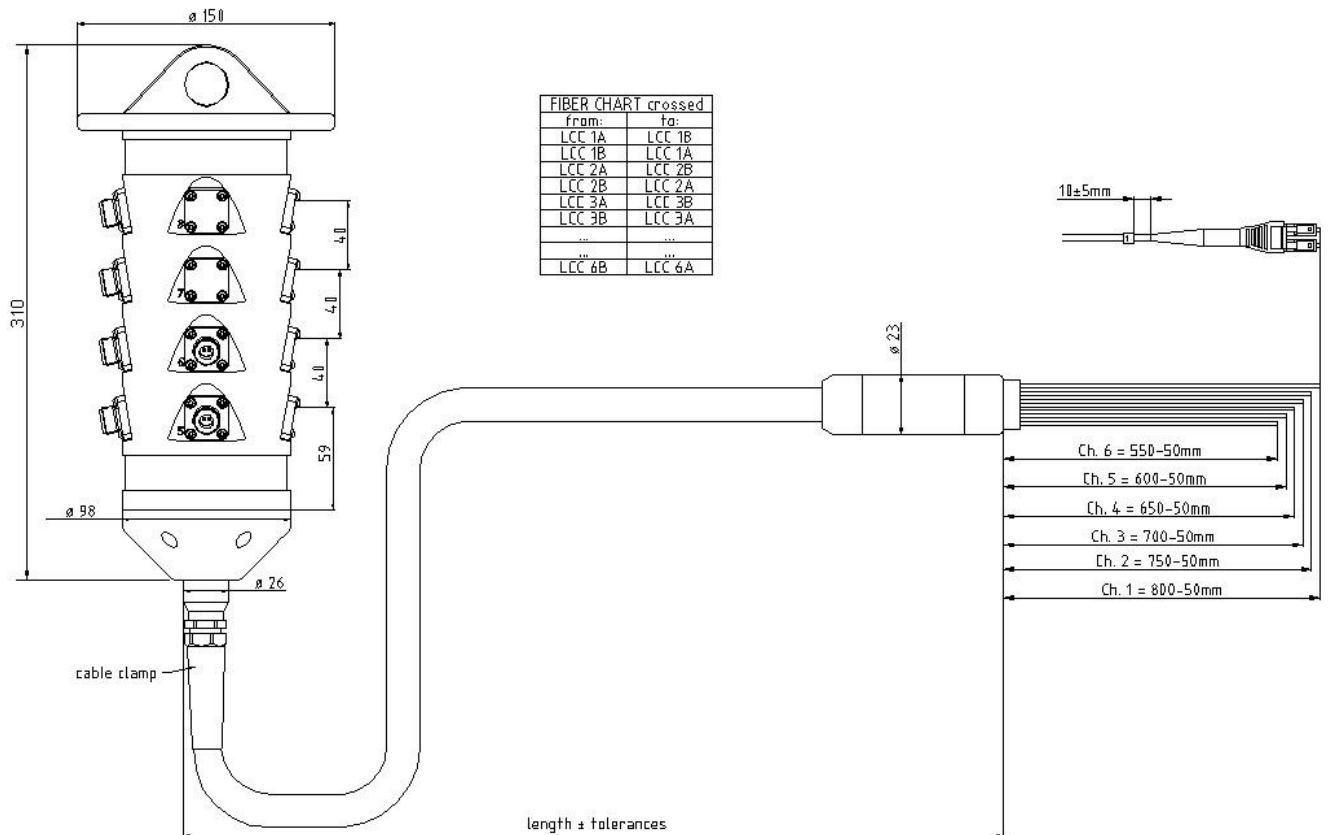


FTTA Fibre Trunk

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

FB-L98B-061-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 fibre end on top is terminated in a round fibre housing that ensures full protection to the fibre 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-061-25000	25000±1000	4625
L98B-061-50000	50000±1000	6750
L98B-061-100000	100000±1500	11000

Other length on request

Parts

Connector top	6 x Rosenberger Duplex Connector (RDCf), single mode
Connector bottom	6 x LC-Compact Duplex, single mode
Fibre housing top	PE-HD (Polyethylene-HD is suitable for outdoor using)
	screws: stainless steel

Technical Data Sheet

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Cable OFNR, UL 1666

Fibre marking, bottom
Fibre marking, top

Identification ring on single fan-out
Channel number engraved in body

Optical data

Cable 12 fibres
Fibre 9/125 µm single mode optical fibre according to ITU-T G.657A and G.652D

Insertion loss ≤ 0.35 dB / km $\lambda = 1310$ nm
 ≤ 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)

Fibre housing

Dimensions

Diameter:

cover 150 mm
accessory cover 98 mm
body 98 mm
Height: 310 mm
Weight: 2200 g
Water protection IP67
UV protection suitable for outdoor using
Pulling force housing (short term) max. 1000 N

Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

FTTA Fibre Trunk

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Environmental data

Temperature range operation
Temperature range storage
Temperature range installation
2002/95/EC (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	02/08/12	S.Gleich	02/08/12	100	12-0004	A. Burggraf	02/08/12
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