

FB-L98C-041-XXX

Technical drawing of the RDC 6B cable assembly, showing dimensions and fiber chart.

Dimensions:

- Total length: 310
- Top flange diameter: $\varnothing 150$
- Main body diameter: $\varnothing 98$
- Bottom flange diameter: $\varnothing 26$
- Channel dimensions: 40, 40, 40, 59
- Cable clamp

FIBER CHART uncrossed

from:	to:
RDC 1A	LCC 1A
RDC 1B	LCC 1B
RDC 2A	LCC 2A
RDC 2B	LCC 2B
RDC 3A	LCC 3A
RDC 3B	LCC 3B
...	...
RDC 6B	LCC 6B
RDC 6B	LCC 6B

Channel lengths:

- Ch. 6 = 550-50mm
- Ch. 5 = 600-50mm
- Ch. 4 = 650-50mm
- Ch. 3 = 700-50mm
- Ch. 2 = 750-50mm
- Ch. 1 = 800-50mm

length $\pm$ tolerances

Page
1 of 3

FTTA Fibre Trunk

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

FB-L98C-041-XXX

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

FTTA Fibre Trunk

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

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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

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Page
3 of 3