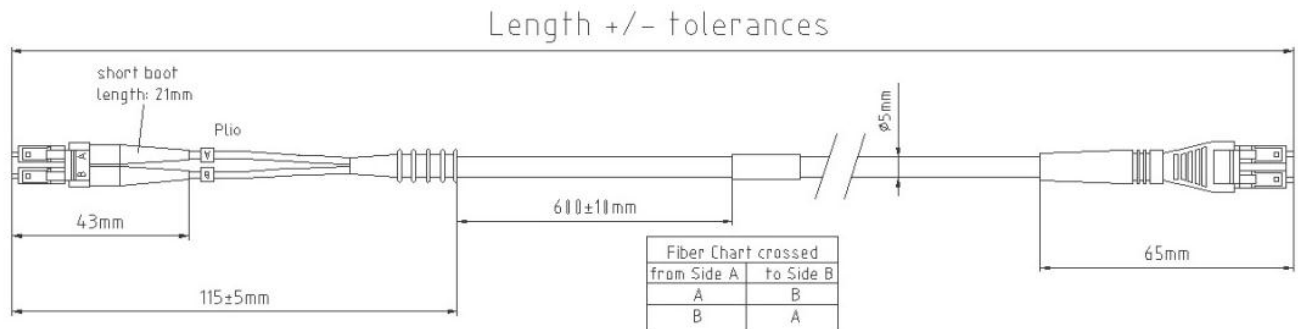


Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

FTTA Fiber Cable Assembly
LCD – 9uG657 - LCC

FB-L98B-242-XXX



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

Description

This fibre optic cable assemblies connect remote radio heads in telecommunication applications. The divider on A side is molded, to fit perfectly into the RRU. The LC connector on B side uses an molded boot which is perfect for solid straight connections and ensures easy handling.

The assembly can be used indoor and outdoor. The cable is flame retardant, riser rated and UV resistant.

Available Variants

Type	Length (mm)	weight (g) / pce
L98B-242-1000	1000±500	50
L98B-242-30000	30000±1000	920

Cable assemblies available in additional length variants.

Parts

Connector top	1 x Rosenberger LC-Duplex, single mode
Connector bottom	1 x Rosenberger LC-Compact, single mode
Cable	PVC jacket; 2 fibre loose tube cable OFNR UL1666 (E344130) Flame retardant acc. to IEC 60332-1 UV resistant Singlemode G657A1

Optical data

Cable	2 fibres
Fiber	9/125 µm single mode optical fibre according to ITU-T G.657A and G.652D
Insertion loss	≤ 0.7 dB / km λ = 1310 nm ≤ 0.7 dB / km λ = 1550 nm
Connector A side	LC-Duplex
Insertion loss	typ. 0.10 dB max. 0.30 dB
Return loss	typ. 50 dB (UPC)

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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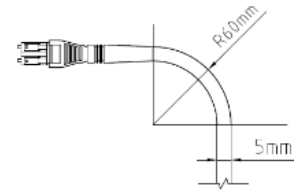
Technical Data Sheet

FTTA Fiber Cable Assembly
LCD – 9uG657 - LCC

FB-L98B-242-XXX

Connector B side
Insertion loss
Return loss
Bending radius min. at boot

LC-Compact
typ. 0.10 dB
max. 0.30 dB
typ. 50 dB (UPC)
60mm



Mechanical data

Cable diameter, jacket
Minimum bending radius cable
Installation
Operation
Max. tensile strength cable
Installation
Permanent

5 mm
50 mm
75 mm
1200 N
600 N

Crush resistance

Short term
Long term
Impact resistance acc. to IEC 60794-1-2, method E4
3 Impacts

10000 N / dm (IEC 60794-1-2, method3)
7500N / dm (IEC 60794-1-2, method3)
1.5 Nm

Environmental data

Temperature range operation
Temperature range storage
Temperature range installation
2002/95/EC (RoHS)
Flame resistant
UV resistant

-40 °C to +85 °C
-55 °C to +85 °C
-20 °C to +60 °C
compliant
UL1666; OFNR

Packing

Standard
Length < 30 m
Length ≥ 30 m

1 pce in bag
1 pce in box

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
S.Gleich	12.03.14	A.Burggraf	12.03.14	100	14-0004	S.Gleich	12.03.14
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			Page 2 of 2