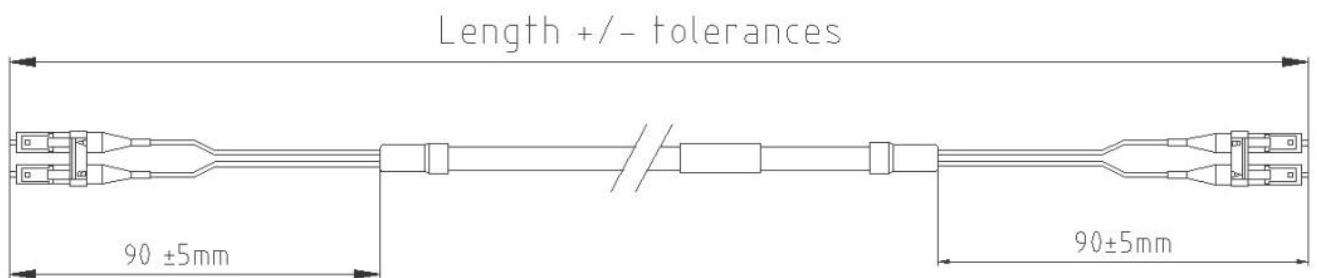


Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

FTTA Fiber Jumper
LCD -2F9µG657- LCD

FB-L98B-084-XXX



Fiber Chart

From:	To:
A	B
B	A

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

Description

This fiber-optic jumper cable assembly is designed to connect remote radio equipment, especially designed to daisy chain from one head to another.
The jumper cable comprises molding dividers on both ends. The mold is determined to suite perfectly to specific radio head cable entry settings.
Both ends are equipped with LC Duplex connectors, on 900µm fanout. A protection tube on both ends ensures a good protection of the fanouts during transport and installation.
The cable material is flame retardant, riser rated and UV resistant.

Available Variants

Type	Length (mm)	weight (g) / pce
L98B-084-1000	1000±500	60
L98B-084-2000	2000±500	90
L98B-084-3000	3000±500	120
L98B-084-5000	5000±500	180

Cable assemblies are available in additional length variants.

Parts

Connector both ends	LC Duplex connector, fan-out 0,9mm, Single mode
Cable	PVC jacket; 2 fiber loose tube cable UL-approval UL 1651 OFNR (UL 1666) Flame retardant acc. to IEC 60332-1 UV resistant SM G657A1
Fibre colours	red, green
Cable divider	Polyvinylchlorid
Protection tube on both ends	Silicon protection tube

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Optical data

Cable	2 fibers
Fiber	9/125 μm single mode optical fiber according to ITU-T G.657A
Insertion loss	≤ 0.35 dB / km λ = 1310 nm ≤ 0.25 dB / km λ = 1550 nm
Connector	LC Duplex
Insertion loss	typ. 0.10 dB max. 0.30 dB
Return loss	typ. 50 dB (UPC)

Mechanical data

Cable diameter, jacket	5,0 mm
Minimum bending radius cable	
Installation	50 mm
Operation	75 mm
Max. tensile strength cable	
Installation	1200 N
Permanent	600 N
Crush resistance (short term)	1000 N / cm (IEC 60794-1-2,method3)
Crush resistance (long term)	750 N / cm (IEC 60794-1-2,method3)
Max. tensile strength molding divider	
Both ends	85 N

Environmental data

Temperature range operation	-40 °C to +85 °C
Temperature range storage	-55 °C to +85 °C
Temperature range installation	-20 °C to +60 °C
2003/95/EC (RoHS)	compliant
Flame retardancy	IEC 60332-1
UV resistant	

Packing

Standard	
Length < 20 m	3 pce in box
Length ≥ 20 m	1 pce in box
Length ≥ 175 m	1 pce on cardboard drum

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	24/1/2014	A.Burggraf	24/1/2014	100	14-0003	S.Gleich	24/1/14
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