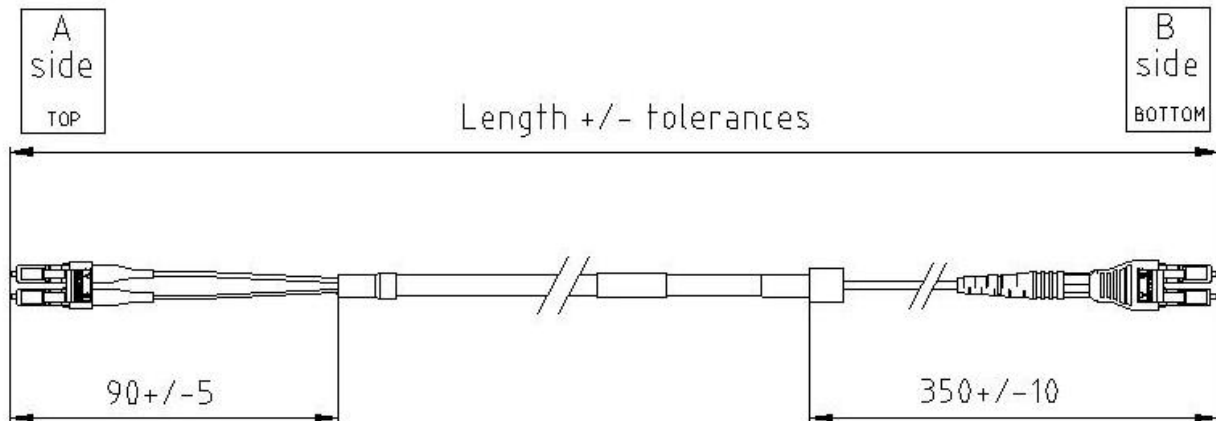


Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

FTTA UMTS Fiber Jumper
LCD -2F9µG657- LCC

FB-L98B-032-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.

The jumper cable comprises molding dividers on both ends. Side A is determined to suite specific radio head cable entry settings.

Side A is equipped with LC Duplex connectors, on 900µm fanout, side B on 2,9mm furcation tubing is equipped with an LC Compact connector.

The cable material is flame retardant, riser rated and UV resistant.

Available Variants

Type	Length (mm)	weight (g) / pce
FB-L98B-032-2000	2000±500	60
FB-L98B-032-5000	5000±500	150
FB-L98B-032-10000	10000±1000	300
FB-L98B-032-20000	20000±1000	600

Cable assemblies are available in additional length variants.

Parts

Connector side A	LC Duplex connector, fan-out 0,9mm, Single mode
Connector side B	LCC connector, fan-out 2,9mm, Single mode
Cable	PVC jacket; 2 fiber loose tube cable OFNR, UV resistant SM G657A1
Fibre colours	red, green
Cable divider	Polyvinylchlorid
Protection tube side A	Silicon 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	LCC/LCD
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	
Side A	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
A.Burggraf	21/9/2011	S.Gleich	14/10/11	400	11-0220	A.Burggraf	08/12/11
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