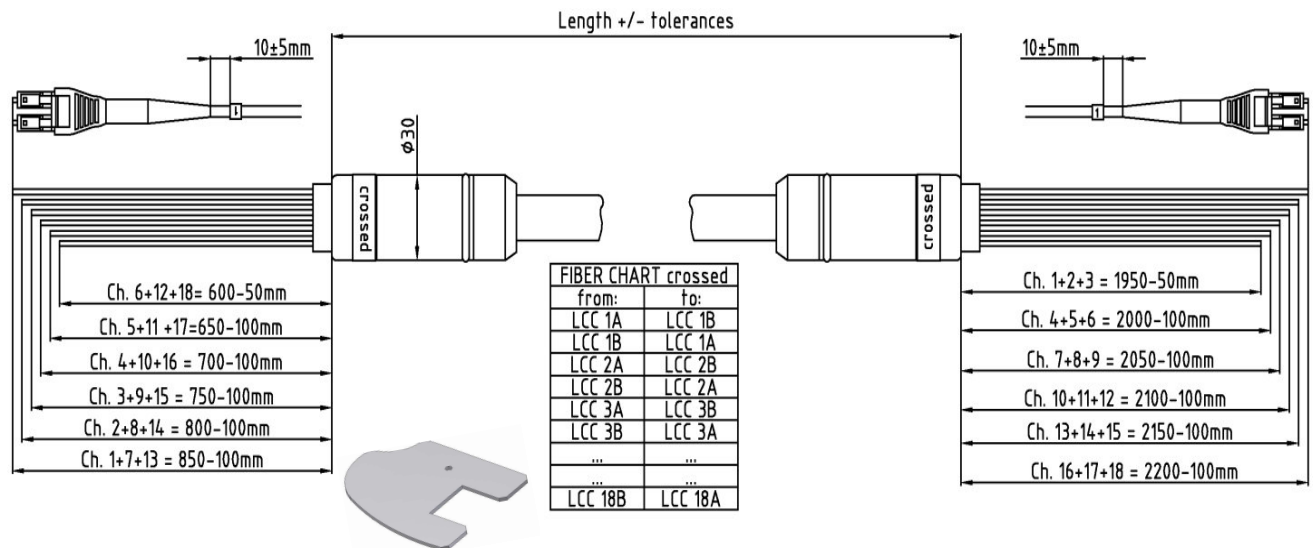


Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

FTTA Fiber Trunk
LCC – 9uG657A2 - LCC

FB-L98B-034-XXX



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

Description

FTTA fiber trunks are fiber optical cable assemblies connecting base stations and remote radio heads in telecommunication applications. They can be used indoor and outdoor, are UV protected and riser rated. Connectors and fan-out are IP67 protected. Divider heads on both ends facilitate the fan out. A pulling sock eases cable hoisting and ensures easy handling in an outdoor environment. Each trunk comes with a securing washer as an installation tool. Fanouts are protected with an installation tube on both ends, which is reusable for multiple installations.

Available Variants

Type	Length (mm)	weight (g) / pce
L98B-034-5000	5000±1500	450
L98B-034-25000	25000±1500	2250
L98B-034-30000	30000±1500	2700
L98B-034-50000	50000±1500	4500
L98B-034-75000	75000±1500	6750
L98B-034-100000	100000±1500	9000
L98B-034-125000	125000±1500	11250
L98B-034-150000	150000±1500	13500
L98B-034-200000	200000±1500	18000

Other length on request

Parts

Connector top	18 x LCC, single mode
Connector bottom	18 x LCC, single mode
Cable	OFNR, UL 1666; GR 20 Core

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Optical data

Cable	36 fibers
Fiber	9/125 µm per ITU-T G657A2 single mode optical fiber; compatible to G652D.
Attenuation Coefficient	≤ 0.35 dB / km λ = 1310 nm ≤ 0.25 dB / km λ = 1550 nm
Connectors	LC Compact Duplex with unitboot.
Insertion loss	typ. 0.10 dB max. 0.30 dB
Return loss	typ. 50 dB (UPC)
Ferrule Geometry	acc. to IEC61754-20

Mechanical data

Cable diameter, jacket	10 mm
Protection tube diameter (both ends)	38 mm (OD)
	Ingress Protection rating IP67
Pulling force at the grip	600N

Minimum bending radius cable

Installation	244 mm
Operation	122 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	10 mm
Repeated	30 mm
Max. tensile strength	100 N (22 lb)

Environmental data

Temperature range operation	-40 °C to +80 °C (-40 °F to 176 °F) <i>Acc. to IEC61300-2-22 Category E</i>
Temperature range storage	-40 °C to +80 °C (-40 °F to 176 °F)
Temperature range installation	-10 °C to +65 °C (14 °F to 149 °F)
2002/95/EC (RoHS)	compliant
REACH	compliant

Packing

Length ≤ 20 m	1 pce in box
20 m < Length < 80 m	1 pce on cardboard drum (Ø 500 mm)
80 m ≤ Length ≤ 125 m	1 pce on cardboard drum (Ø ext. 500 mm)
Length > 125 m	1 pce on cardboard drum (Ø 800 mm)

Each product comes with installation documents and test report for every connector.
IL, RL and Fibercheck2 is online available for each connector.
Serial number tracking on request is possible for each individual product.

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	11/10/11			600	13-0004	S.Gleich	05/11/13
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