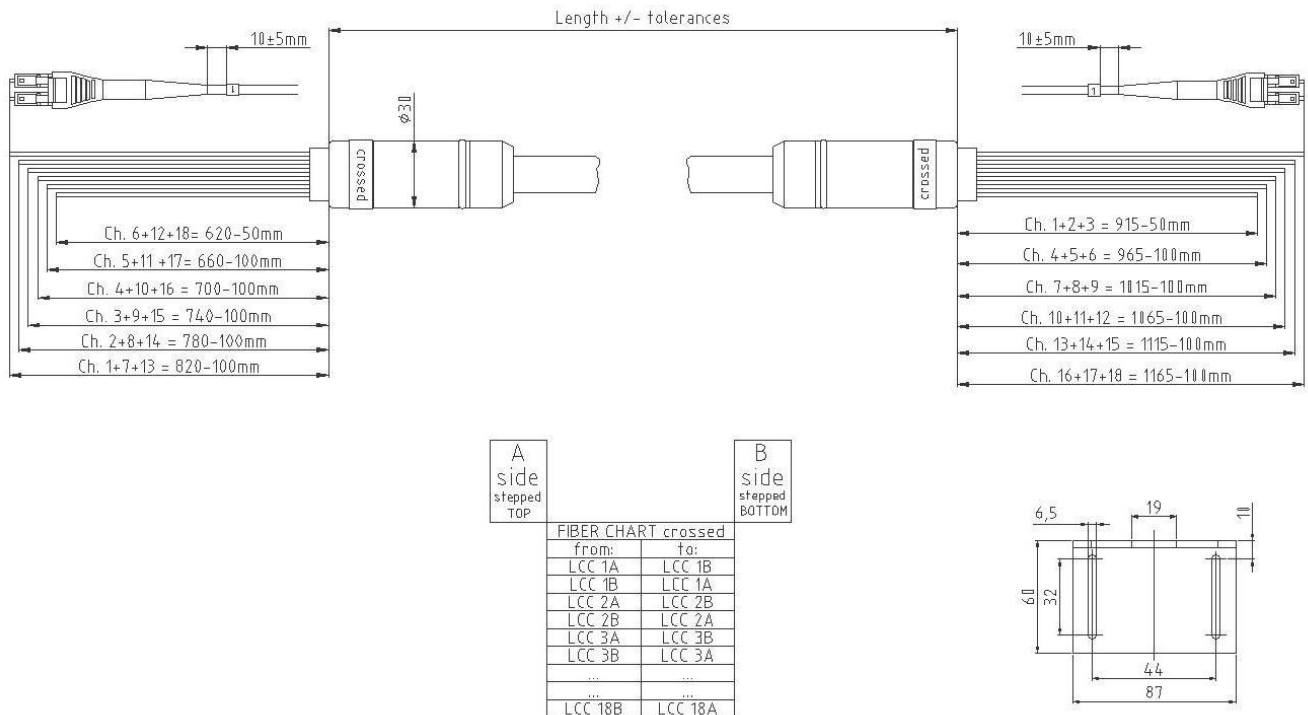


Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

FTTA Fiber Trunk
LCC – 9uG657A2 - LCC

FB-L98B-286-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. The two trunk fixtures provided with the product, give you the ability to hold the trunk head in a vertical position at a wall or a rack.

Available Variants

Type	Length (mm)	weight (g) / pce
L98B-286-100FT	30500±1500	2700
L98B-286-200FT	61000±1500	5400

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
Securing washer	Aluminium
Trunk fixture	Aluminium

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Optical data

Cable	36 fibers
Fiber	9/125 μ m per ITU-T G657A2 single mode optical fiber; compatible to G652D.
Attenuation Coefficient	≤ 0.35 dB / km $\lambda = 1310$ nm ≤ 0.25 dB / km $\lambda = 1550$ 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)
RoHS	compliant
REACH	compliant

Packing

Length ≤ 20 m	1 pce in box
20 m < Length < 80 m	1 pce on cardboard drum ($\varnothing$ 500 mm)
80 m $\leq$ Length $\leq$ 125 m	1 pce on cardboard drum ($\varnothing$ ext. 500 mm)
Length > 125 m	1 pce on cardboard drum ($\varnothing$ 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.Koop	10.7.2014	S.Gleich	14.7.2014	300	15-0006	A.Burggraf	08.01.15

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