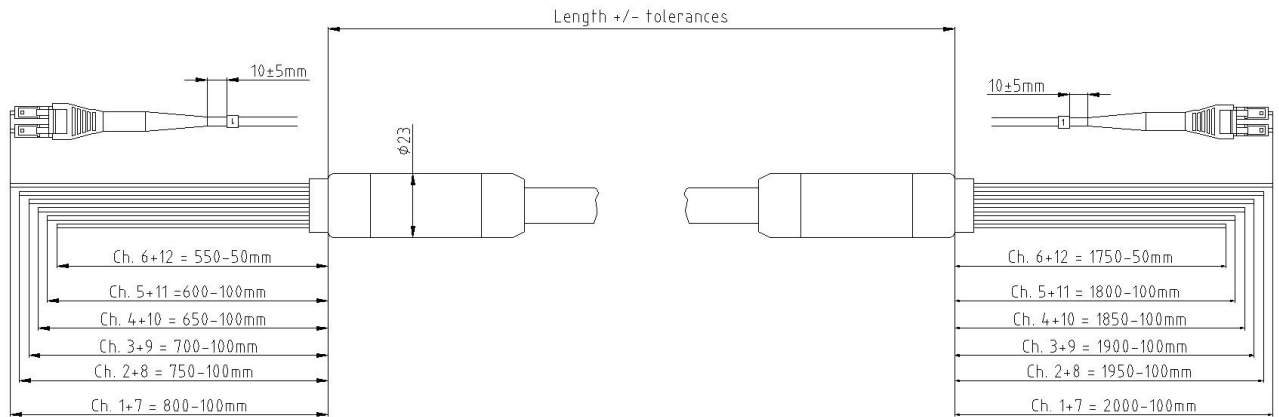


Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

FTTA Fiber Trunk
LCD – 50μOM2 – LCD

FB-L98C-110-XXXFT



Top Side A	Fiber Chart		Bottom Side B
	From:	To:	
	LCC 1A	LCC 1B	
	LCC 1B	LCC 1A	
	LCC 2A	LCC 2B	
	LCC 2B	LCC 2A	
			
			
	LCC 12A	LCC 12B	
	LCC 12B	LCC 12A	

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. The jacket is LSZH and UV resistant, so the cable can be used indoor and outdoor. The cable is rodent protected.

Connectors and fan-out are IP67 protected with an installation tube on both ends. This ensures easy handling in an outdoor environment. A pulling sock eases cable hoisting.

Long fan-out at the bottom allow the direct connection of network equipment, without additional ODF panels.

Available Variants

Type	Length (FT)
L98C-110-75FT	75±5
L98C-110-100FT	100±5
L98C-110-125FT	125±5
L98C-110-200FT	200±5
L98C-110-250FT	250±5

Cable assemblies in additional length variants are available.

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Parts

Connector top	12 x LC-Compact Duplex, Multi mode OM2
Connector bottom	12 x LC-Compact Duplex, Multi mode OM2
Cable	LSZH with rodent protection,
Fiber marking	Identification on single fan-out
Pulling sleeve	IP 67 protection

Optical data

Cable	24 fibers
Fiber	50/125μm OM2 optical fiber acc. to ITU G651.1
Attenuation Coefficient	≤ 2,30 dB / km λ = 850 nm ≤ 0.60 dB / km λ = 1300 nm
Connectors	LC-Compact Duplex
Insertion loss	typ. 0.10 dB max. 0.30 dB

Mechanical data

Cable diameter, jacket	10 mm
Protection tube diameter	34 mm
Minimum bending radius cable	
Installation	200 mm
Operation	150 mm
Max. tensile strength cable	
Permanent	2000 N (450 lb)
Crush resistance	3000 N / 100 mm (675 lb / 100mm)
Minimum bending radius single fan-out	
Single	30 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)
Temperature range storage	-40 °C to +80 °C (-40 °F to 176 °F)
Temperature range installation	-20 °C to +60 °C (-4 °F to 140 °F)
RoHS	compliant

Packing

Standard:	
Length ≤ 20 m	1 pce in box
20 m < Length < 80 m	1 pce on cardboard drum (Ø 500 mm)
80 m ≤ Length < 150 m	1 pce on cardboard drum (Ø ext. 500 mm)
Length ≥ 150 m	1 pce on cardboard drum (Ø 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
S.Gleich	21.10.14	A.Koop	21.10.14	100	14-0004	S. Gleich	21.10.14
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