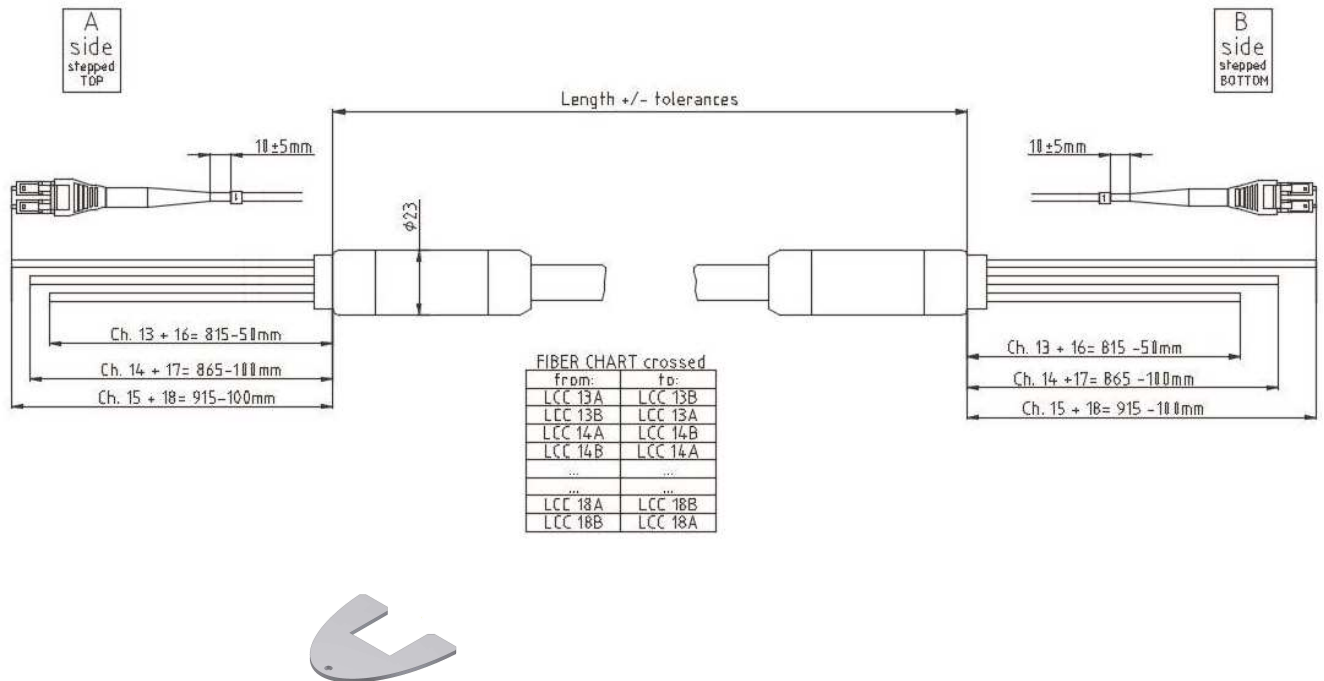


Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

FTTA Fiber Trunk
LCC – 9uG657 - LCC

FB-L98B-283-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. This ensures easy handling in an outdoor environment. A pulling sock eases cable hoisting.

Available Variants

Type	Length (mm)	weight (g) / pce
L98B-283-15000	15000±1500	1355
L98B-283-30000	30000±1500	2709
L98B-283-50000	50000±1500	4515
L98B-283-75000	75000±1500	6772
L98B-283-100000	100000±1500	9030
L98B-283-125000	125000±1500	11287

Other length on request

Parts

Connector top	6 x LC-Compact Duplex, single mode
Connector bottom	6 x LC-Compact Duplex, single mode
Cable	OFNR, UL 1666
Fiber marking	Identification ring on single fan-out
Securing washer	1 pcs

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Optical data

Cable	12 fibers G657A2
Fiber	9/125 μ m single mode optical fiber according to ITU-T G.657A and G.652D
Attenuation Coefficient	$\leq 0,35$ dB / km $\lambda = 1310$ nm $\leq 0,20$ dB / km $\lambda = 1550$ nm
Connectors	LC-Compact Duplex
Insertion loss	typ. 0.10 dB max. 0.30 dB
Return loss	typ. 50 dB (UPC)

Mechanical data

Cable diameter, jacket	10 mm
Protection tube diameter	23 mm
Minimum bending radius cable	
Installation	188 mm
Operation	94 mm
Max. tensile strength cable	
Installation	2700 N (607 lbf)
Permanent	890 N (200 lbf)
Crush resistance	2200 N / 100 mm (494 lbf / 100 mm)
Minimum bending radius single fan-out	
Single	30 mm
Repeated	30 mm
Max. tensile strength	100 N (22 lbf)

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	-10 °C to +65 °C (14 °F to 149 °F)
RoHS	compliant

Packing

Standard:	
Length ≤ 20 m	1 pce in box
20 m < Length < 80 m	1 pce on cardboard drum ($\varnothing$ 500 mm)
80 m $\leq$ Length < 150 m	1 pce on cardboard drum ($\varnothing$ ext.500 mm)
Length ≥ 150 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.Burggraf	12/01/15	S.Gleich	13/01/15	100	15-0003	A.Burggraf	12/01/15
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