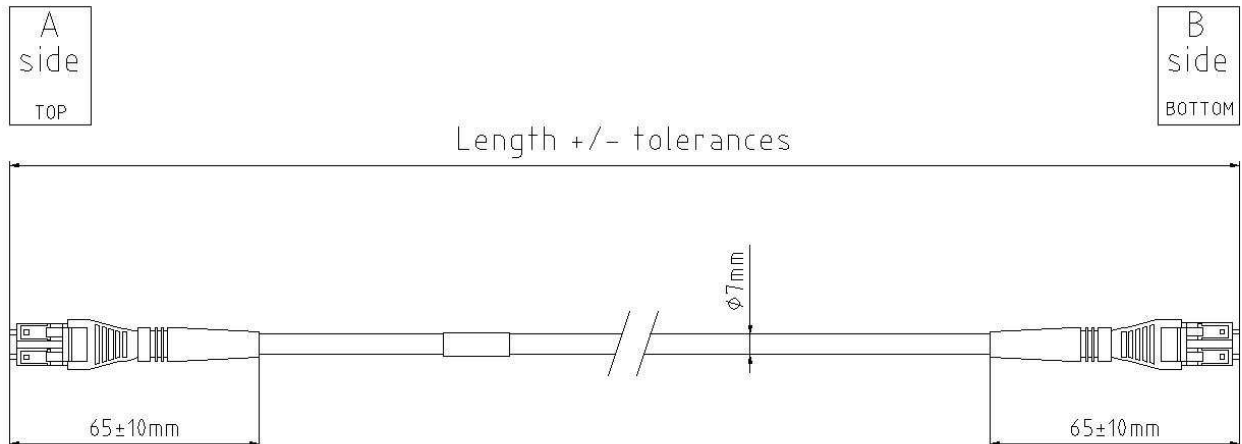


Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

FTTA Fiber Cable Assembly
LCC – 9uG657 - LCC

FB-L98B-035-XXX



Fiber Chart

From:	To:
A	B
B	A

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

Description

These fiber optic jumper cable assemblies connect remote radio heads in telecommunication applications. Side A and B are equipped with an LC-Compact connector. The divider is overmolded on both ends and especially designed for solid straight connections.

The assembly can be used indoor and outdoor. The cable is UV protected and riser rated.

Available Variants

Type	Length (mm)	weight (g) / pce
L98B-035-5000	5000±500	260
L98B-035-10000	10000±500	520
L98B-035-20000	20000±1000	1040
L98B-035-50000	50000±1000	2600
L98B-035-75000	75000±1000	3900
L98B-035-100000	100000±1000	5200

Other length are available on request.

Parts

Connector top	1 x LC-Compact, single mode
Connector bottom	1 x LC-Compact, single mode
Cable	UL-approval UL 1651 OFNR (UL1666) Flame retardant acc. to IEC 60332-1

Technical Data Sheet

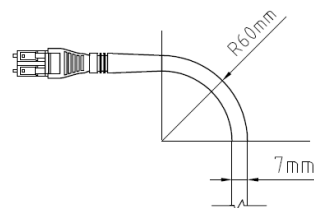
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FTTA Fiber Cable Assembly
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Optical data

Cable	2 fibers
Fiber	9/125 μ m single mode optical fiber according to ITU-T G.657A1 and G652D
Insertion loss	≤ 0.35 dB / km $\lambda = 1310$ nm ≤ 0.25 dB / km $\lambda = 1550$ nm
Connectors	LC-Compact
Insertion loss	typ. 0.10 dB max. 0.30 dB
Return loss	typ. 50 dB (UPC)
Bending radius min. at boot	60mm



Mechanical data

Cable diameter, jacket	7 mm
Minimum bending radius cable	
Installation	105 mm
Operation	70 mm
Max. tensile strength cable	
Installation	1200 N
Permanent	600 N
Crush resistance	
Short term	2200 N / dm
Long term	800 N / dm
Impact resistance acc. to IEC 60794-1-2, method E4	
3 Impacts	1.5 Nm

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
2002/95/EC (RoHS)	compliant
UV resistance	acc. to DIN53387
Good resistance to oil, petrol and leach.	

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	16/11/11	S.Gleich	16/11/11	500	13-0003	D.Eisenhut	14/11/13
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