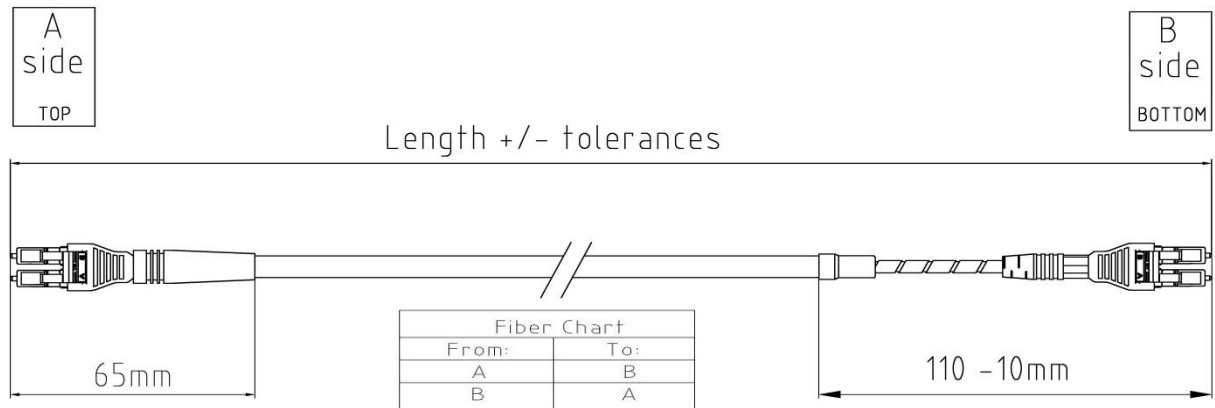


Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

FTTA Fiber Cable Assembly
LCC – 9uG657 – LCC Flexboot

FB-L98B-A0213-XXX



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 connector on Side A is overmolded for solid straight connections. The combination of the special boot and Fan-out which is used on Side B, makes this connector very flexible. It's especially designed for usage in cabinets and very tight areas where connector bending may occur.

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-A0213-5000	5000±500	260
L98B-A0213-10000	10000±500	520
L98B-A0213-20000	20000±1000	1040
L98B-A0213-50000	50000±1000	2600
L98B-A0213-75000	75000±1000	3900
L98B-A0213-100000	100000±1000	5200

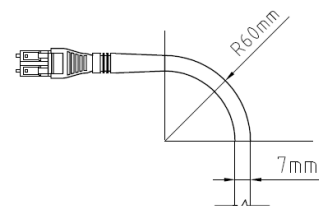
Other length are available on request.

Parts

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

Optical data

Cable	2 fibers
Fiber	9/125 µm single mode optical fiber according to ITU-T G.657A1 and G652D
Insertion loss	≤ 0.35 dB / km λ = 1310 nm ≤ 0.25 dB / km λ = 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 overmolded boot	60mm
Bending radius min. at Flexboot	50mm



Technical Data Sheet

FTTA Fiber Cable Assembly
LCC – 9uG657 – LCC Flexboot

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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
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	22/05/15	S.Gleich	22/05/15	200	15-0002	A.Burggraf	10/06/15
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