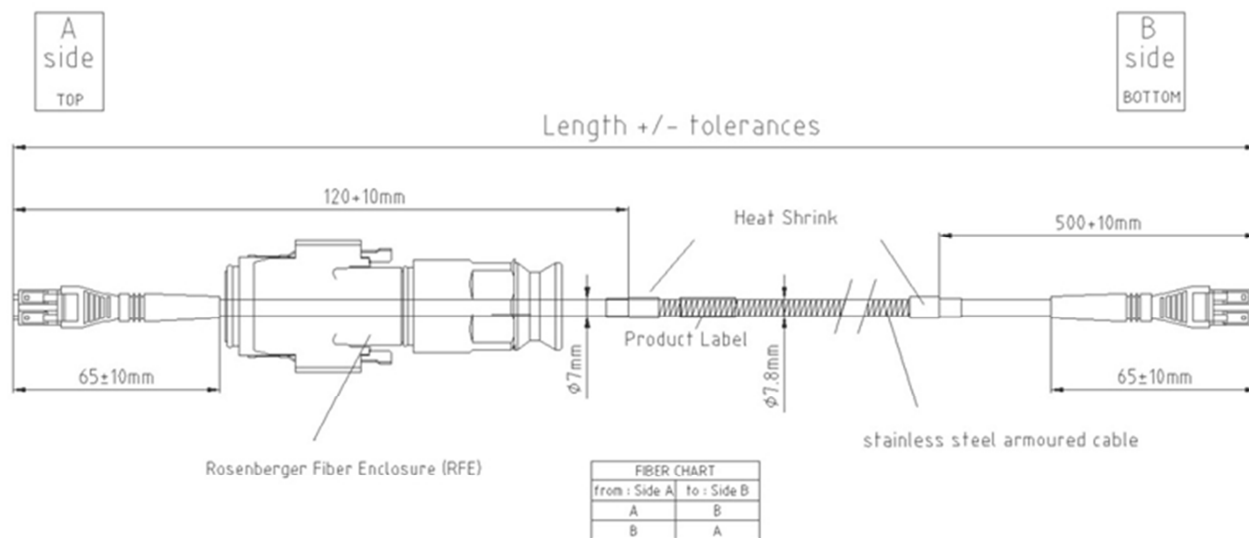


Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

FTTA Fiber Cable Assembly
LCC – 9uG657 - LCC

FB-L98B-206-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. Side A perfectly fits for the use of the RFE (Rosenberger Fiber Enclosure). RFE is already installed to the assembly and provides hoisting ability. Specification for RFE see separate data sheet: 98Z105-S00

The boots on both ends are made with hotmelt technology and especially designed for solid straight connections.

A metal braid around the outer jacket of the cable ensures the best possible rodent protection. 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-206-5000	5000±500	tbd
L98B-206-7500	7500±500	
L98B-206-10000	10000±500	
L98B-206-20000	20000±1000	
L98B-206-50000	50000±1000	
L98B-206-75000	75000±1000	
L98B-206-100000	100000±1000	

Other lengths are available on request.

Technical Data Sheet

FTTA Fiber Cable Assembly
LCC – 9uG657 - LCC

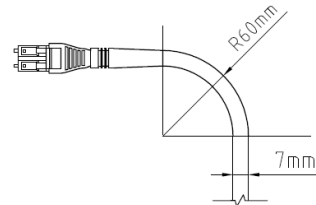
FB-L98B-206-XXX

Parts

Connector top	1 x LC-Compact, single mode
Connector bottom	1 x LC-Compact, single mode
Cable	Polyvinylchlorid, OFNR rated (UL1666) Flame retardant acc. to IEC 60332-1 with armouring, stainless steel braid 0,2mm 98Z105-S00
RFE (Rosenberger Fiber Enclosure)	

Optical data

Cable	2 fibers
Fiber	9/125 µm single mode optical fiber according to ITU-T G.657A1 and G.652D
Attenuation Coefficient	≤ 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 boot	60mm



Mechanical data

Cable diameter, jacket	7.0 mm
Cable diameter total	7.8 mm
Minimum bending radius cable	
Installation	105 mm
Operation	70 mm
Max. tensile strength cable	
Installation	1200 N
Permanent	600 N

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
S.Gleich	14.10.13	S.Schlomka	14.10.13	300	14-0003	S.Gleich	19/03/14
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