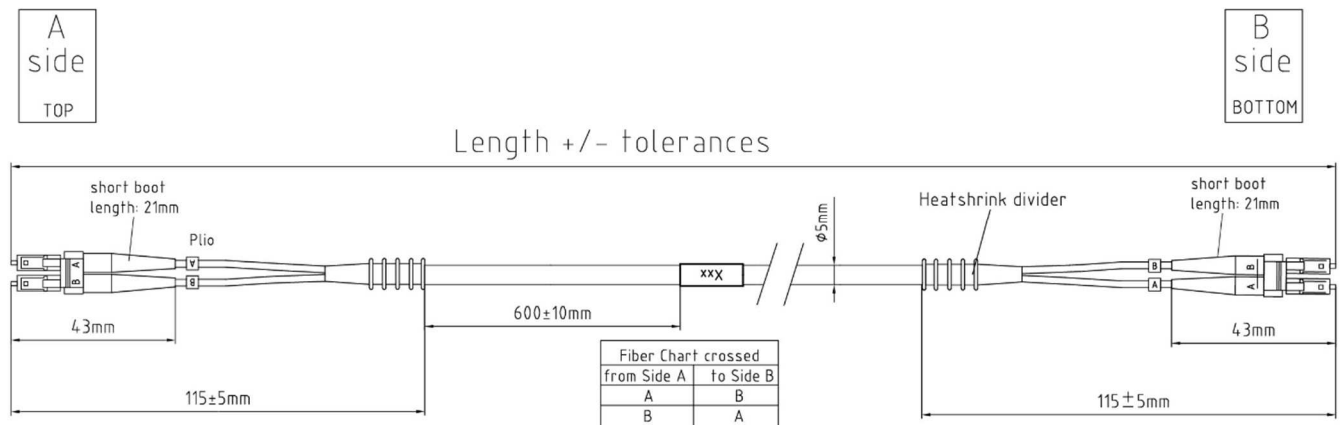




All dimensions are in mm; tolerances according to ISO 2768 m-H

Description

This fibre optic cable assemblies connect remote radio heads in telecommunication applications. Both ends are molded, to fit perfectly into the RRU. The connector is LCDuplex with short and flexible boot. The assembly can be used indoor and outdoor. The cable is flame retardant, riser rated and UV resistant.

Available Variants

Type	Length (mm)	Weight (g) / pce
L98B-281-1000	1000	50
L98B-281-30000	30000	920

Length (m)	Tolerances (mm)
L ≤ 10	+100/-50
10 < L ≤ 30	+200/-100
L > 30	+/-1%

Cable assemblies in additional length variants are available.

Parts

Connector top	1 x Rosenberger LC-Duplex, single mode
Connector bottom	1 x Rosenberger LC-Duplex, single mode
Cable	PVC black jacket; 2 fibre loose tube cable, OFNR UL1666 (E344130), Flame retardant acc. to IEC 60332-1, UV resistant, Singlemode G657A1

Optical data

Cable	2 Fibers 9/125 µm single mode optical fiber according to ITU-T
Fiber	G657A and G652D

Technical Data Sheet

Rosenberger

FTTA Fiber Cable Assembly
LCD – 9μG657 – LCD

FB-L98B-281-XXX

Cable attenuation	≤0.7 dB / km λ = 1310 nm ≤0.7 dB / km λ = 1550 nm
Connectors	LC-Duplex
Insertion loss	typ. 0.10 dB max. 0.30 dB
Return loss	typ. 50 dB (UPC)

Mechanical data

Cable diameter, jacket	5 mm
Minimum bending radius cable	
Installation	50 mm
Operation	75 mm
Max. tensile strength cable	
Installation	1200 N
Permanent	600 N
Crush resistance Short term	10000 N / dm (IEC 60794-1-2, method3)
Crush resistance Long term	7500N / dm (IEC 60794-1-2, method3)
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

Packing

Standard	
Length < 30 m	1 pce in bag
Length ≥ 30 m	1 pce in box

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	02/07/14	A.Burggraf	02/07/14	200	20-0004	S.Gleich	07/12/20

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