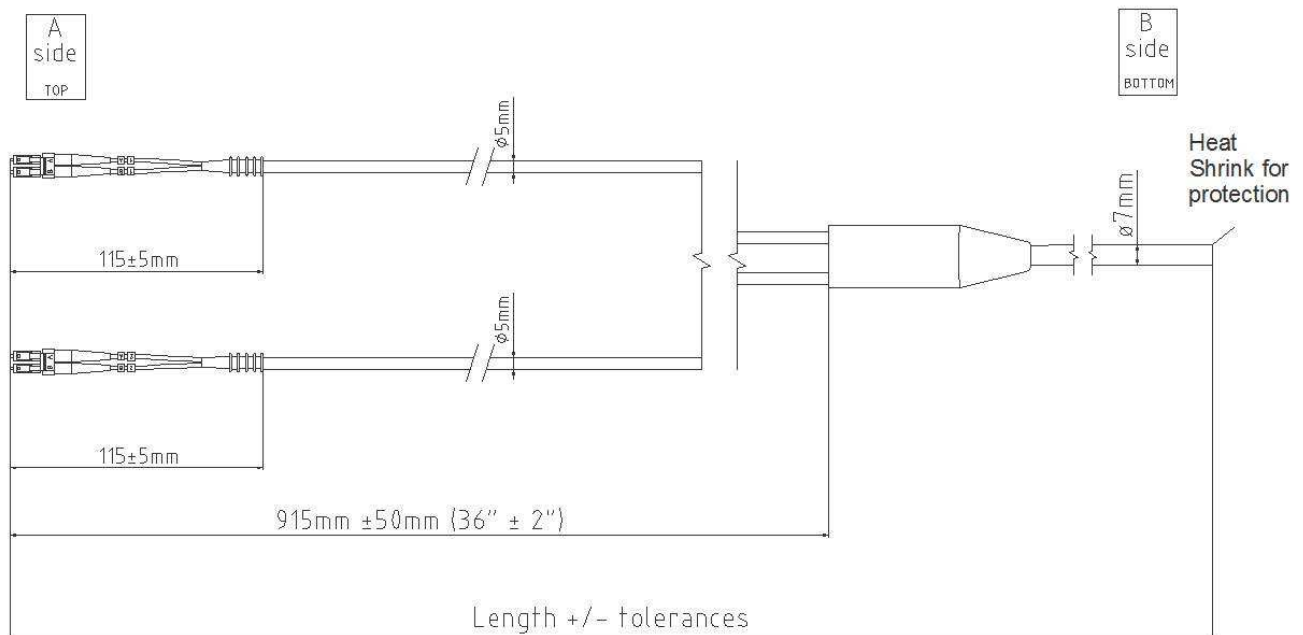


Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

FTTA Fiber Cable Assembly
2xLCD – 9uG657 –

FB-L98B-A0127-XXX



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

Description

This 4 fiber optic jumper cable assembly connects remote radio heads (RRU) in telecommunication applications. The Breakout divider is molded. Top side of the jumper cable assembly is equipped with 2 LC-Duplex connectors. The shape of the molded divider on this side fits perfect into the RRU. The top end (A Side) is using 5mm fan-outs, the bottom end (B side) is open for splicing. This assembly could be used indoor and outdoor. The cable is UV protected and flame retardant.

Available Variants

Type	Length (FT)	weight (g) / pce
L98B-A0127-200	200±5	tbd.

Cable assemblies in additional length variants are available.

Parts

Connector top	2 x LC Duplex, single mode
Connector bottom	open end for splicing
Cable	Flame retardant PVC acc. to IEC 60332-1

Optical data

Cable	4 fibres
Fiber	9/125 µm single mode optical fibre according to ITU-T G.657A 1

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Attenuation Coefficient	≤ 0.40 dB / km ≤ 0.25 dB / km	λ = 1310 nm λ = 1550 nm
Connector	LC-Duplex	
Insertion loss	typ. 0.10 dB max. 0.30 dB	
Return loss		

Mechanical data

Cable diameter, jacket	7 mm
Cable diameter fanout A Side	5 mm
Fiber marking:	
A-Side	PLIO
B-Side	provided color code

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
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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 IEC60068-2-5
Good resistance to oil, petrol and leach.	

Packing

Standard	
Length < 30 m	tbd
Length ≥ 30 m	tbd

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	05/12/14	S.Gleich	08/12/14	100	14-0004	A.Burggraf	05/12/14
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