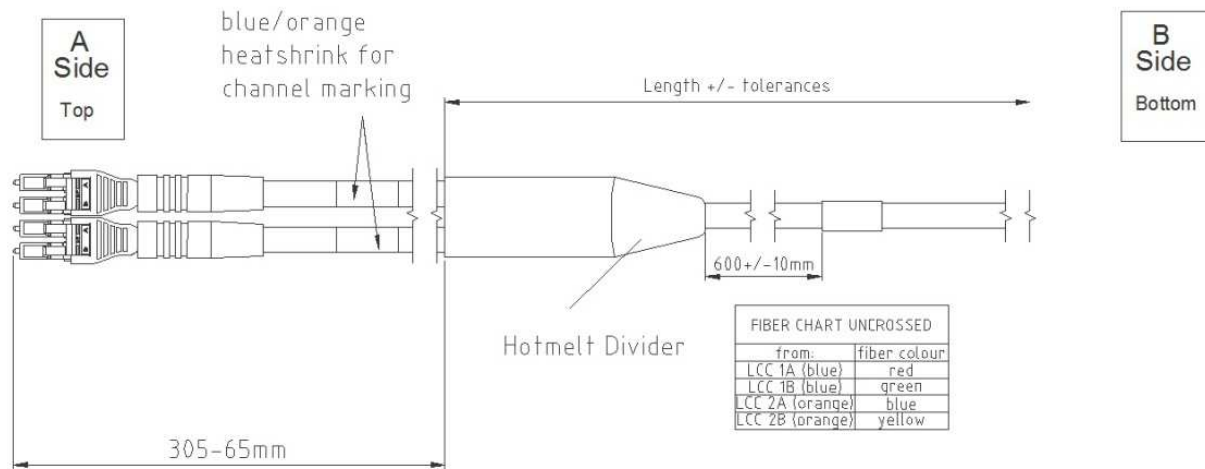


Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

FTTA Fiber Cable Assembly
2xLCC – 9uG657

FB-L98B-241-XXX



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

Description

This 4 fiber optic jumper cable assembly connect remote radio heads in telecommunication applications. Only the A side is connectorized, the B side is ready for splicing.

The connectors are overmolded for solid straight connection and easy handling.

The divider is carried out in hotmelt technology. It is water resistant and suitable for outdoor usage.

Available Variants

Type

L98B-241-10000
L98B-241-20000
L98B-241-30000
L98B-241-50000
L98B-241-75000

Length (m)

10000m m ±500m m
20000m m ±1000m m
30000m m ±1000m m
50000m m ±1500m m
75000m m ±1500m m

weight (g) / pce

736
1286
1816
2906
4246

Cable assemblies in additional length variants are available.

Parts

Connector top
Cable

2 x LC-Compact, single mode, Black boot (molded)
Flame retardant PVC acc. to IEC 60332-1

Optical data

Cable
Fiber

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

Attenuation Coefficient

≤ 0.40 dB / km λ = 1310 nm
≤ 0.25 dB / km λ = 1550 nm

Connector
Insertion loss

LC-Compact
typ. 0.10 dB
max. 0.30 dB

Return loss

typ. 50 dB (UPC)

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Mechanical data

Cable diameter, jacket	7 mm
Cable diameter fanout A	7 mm
Fiber marking:	coloured heat shrink
Channel 1:	blue heat shrink
Channel 2:	orange heat shrink

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
2002/95/EC (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	12/03/14	S.Gleich	12/03/14	100	14-0004	S.Gleich	12/03/14
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