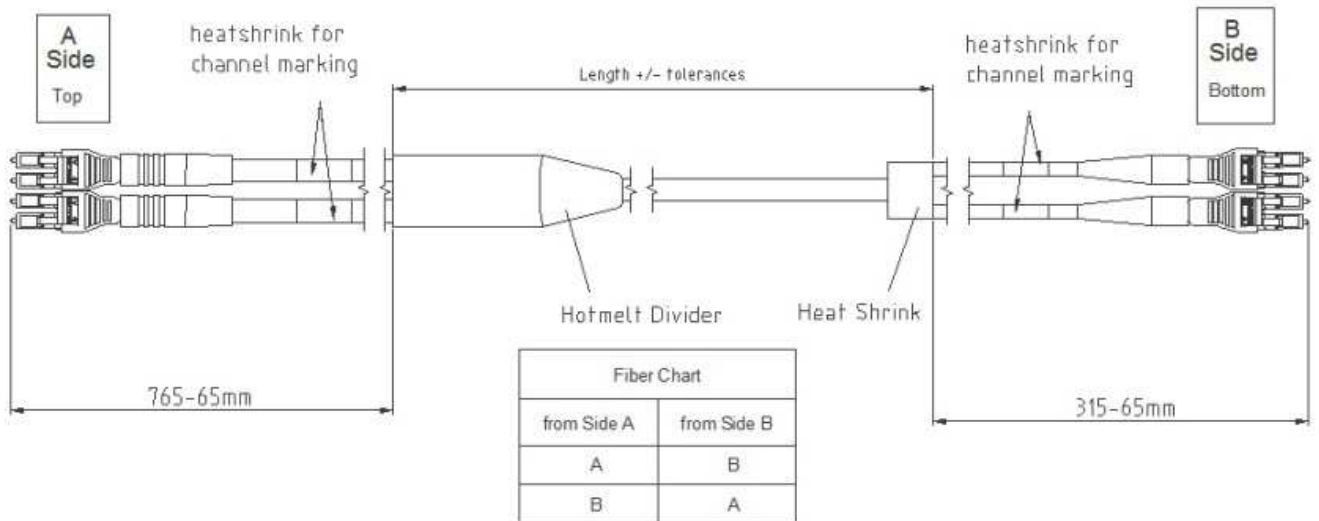


Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

FTTA Fiber Cable Assembly
2xLCC – 9uG657 – 2xLCC

FB-L98B-056-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. Each side of the jumper cable assembly is equipped with 2 LC-Compact connectors. The connectors on top end (A Side) are overmolded, the connectors on bottom end (B side) comes with standard boots.

Divider on top end (A Side) is made in hotmelt technology and especially designed for solid straight connections, divider at bottom end (B side) is done with an heat shrink.

The top end (A Side) is using 7mm fan-outs, the bottom end (B side) is using 2.9mm fan-out.

This assembly could be used indoor and outdoor. The cable is UV protected and flame retardant.

Available Variants

Type	Length (mm)	weight (g) / pce
L98B-056-5000	5000±1000	366
L98B-056-10000	10000±1500	732
L98B-056-20000	20000±1500	1477
L98B-056-35000	35000±1500	2575
L98B-056-50000	50000±1500	3660
L98B-056-75000	75000±1500	5490

Cable assemblies in additional length variants are available.

Parts

Connector top	2 x LC-Compact, single mode, Black boot (molded)
Connector bottom	2 x LC-Compact, single mode, Blue boot
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
Attenuation Coefficient	≤ 0.40 dB / km λ = 1310 nm
	≤ 0.25 dB / km λ = 1550 nm

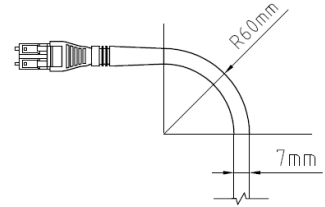
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Connector LC-Compact
Insertion loss typ. 0.10 dB
max. 0.30 dB
Return loss typ. 50 dB (UPC)
A Side
Bending radius min. at boot 60mm



Mechanical data

Cable diameter, jacket 7 mm
Cable diameter fanout A Side 7 mm
Cable diameter fanout B Side 2.9 mm

Fiber marking: coloured heatshrink
Channel 1: blue heatshrink
Channel 2: orange heatshrink

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
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
S.Schlomka	29/07/13	S.Gleich	29/07/13	400	13-0003	D.Eisenhut	14/11/13

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