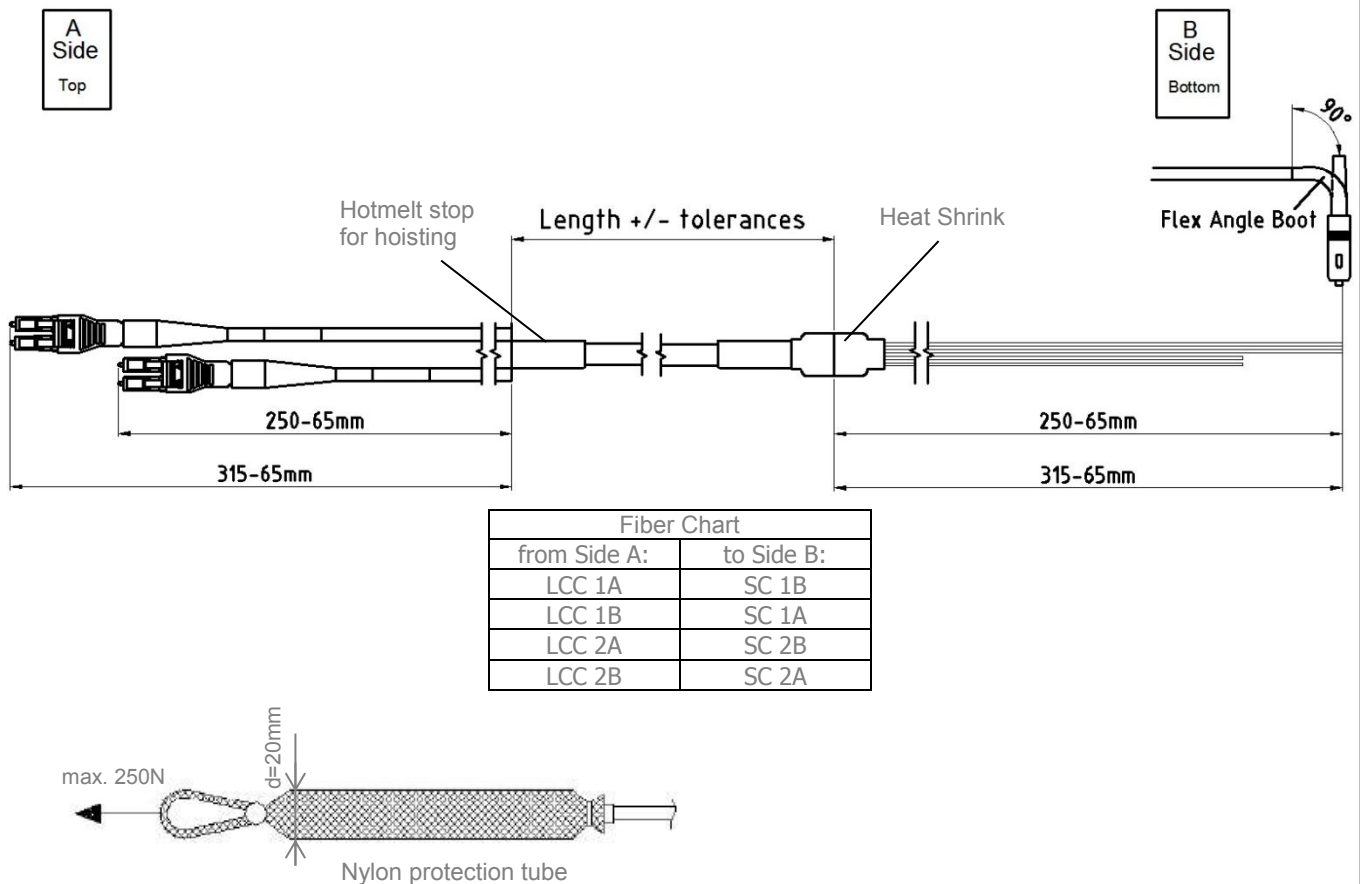


Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

FTTA Fiber Cable Assembly
2xLCC – 9uG657 – 4xSC (90°)

FB-L98B-181-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 in telecommunication applications. It has 2x LC- Compact connectors on the top end (A Side) and 4x SC- Simplex connectors with a flex-angled boot (0° to 90° bendable boot) on the bottom end (B Side). The Divider on top end (A Side) is made in hotmelt technology with 2x 2.9mm fanouts, divider at the bottom end (B side) is done with a heat shrink and with 4x 2.1mm fan-outs. On the top end (A Side) a light nylon protection tube is pre-installed and can be used as a hoisting grip for easy and safe cable installation. This assembly could be used indoor and outdoor. The cable is UV resistance and flame retardant.

Available Variants

Type	Length (mm)	weight (g) / pce
L98B-181-1000	1000±500	
L98B-181-30000	30000±1000	

Cable assemblies in additional length variants are available on request.

Parts

Connector top	2 x LC-Compact, single mode
Connector bottom	4 x SC-Simplex, single mode, flex-angled boot (0° to 90° bendable)
Cable	Flame retardant PVC acc. to IEC 60332-1, UV-resistance according IEC 60068-2-5
Fiber marking	Identification ring/ marking on single fan-out

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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
Connector side A	LC- Compact	
Insertion loss	typ. 0.10 dB	
	max. 0.30 dB	
Return loss	typ. 50 dB (UPC)	
Connector side B	SC- Simplex	
Insertion loss	typ. 0.10 dB	
	max. 0.40 dB	
Return loss	typ. 55 dB (UPC)	

Mechanical data

Cable diameter, jacket	7 mm
Cable diameter fan-out A	2x 2.9 mm
Cable diameter fan-out B	4x 2.1 mm

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
S.Schlomka	22/09/13	S.Gleich	26/09/13	100	13-0004	S.Schlomka	22/09/13
Corporate Headquarters Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O. Box 1260 D-84526 Tittmoning Germany Tel. +49 8684 18-0				Rosenberger Site Solutions, LLC P.O. Box 4268, Lake Charles, LA 70606 Ph.337.598.5250 Fax: 337.598.5290 rlss@rlss.us www.rlss.us			Page 2 of 2