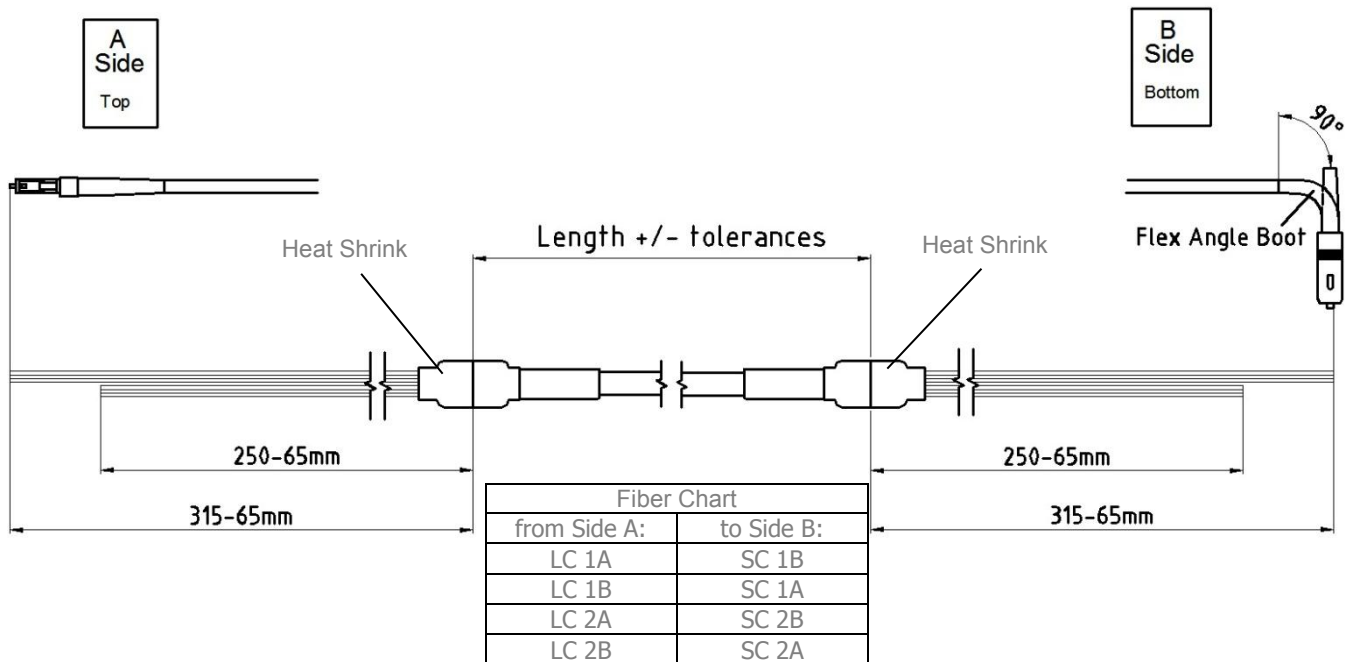


Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

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

FB-L98B-182-XXX



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

Description

This product is a 4 fiber single mode cable assembly for indoor use. It has 4 LC- Simplex connectors on the top end (A Side) and 4 SC- Simplex connectors with a flex-angled boot (0° to 90° bendable boot) on the bottom end (B Side). Both Divides are made in heat shrink technology and 4x 2.1mm fanouts. The PVC cable jacket is flame retardant and OFNR rated.

Available Variants

Type	Length (mm)	weight (g) / pce
L98B-182-1000	1000±500	
L98B-182-30000	30000±1000	

Cable assemblies in additional length variants are available on request.

Parts

Connector top	4 x LC-Simplex, single mode
Connector bottom	4 x SC-Simplex, single mode, flex-angled boot (0° to 90° bendable)
Cable	OFNR Flame retardant PVC (UL) jacket
	UL 1666
Fiber marking	Identification ring on single fan-out

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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FB-L98B-182-XXX

Connector side A	LC- Simplex
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	5 mm
Cable diameter fan-out A	4x 2.1 mm
Cable diameter fan-out B	4x 2.1 mm

Minimum bending radius cable

Installation	75 mm
Operation	50 mm

Max. tensile strength cable

Installation	440 N
Permanent	130 N

Environmental data

Temperature range operation	-40 °C to +75 °C
Temperature range storage	-40 °C to +75 °C
Temperature range installation	-20 °C to +65 °C
2002/95/EC (RoHS)	compliant
UV resistance	acc. to IEC60068-2-5

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
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