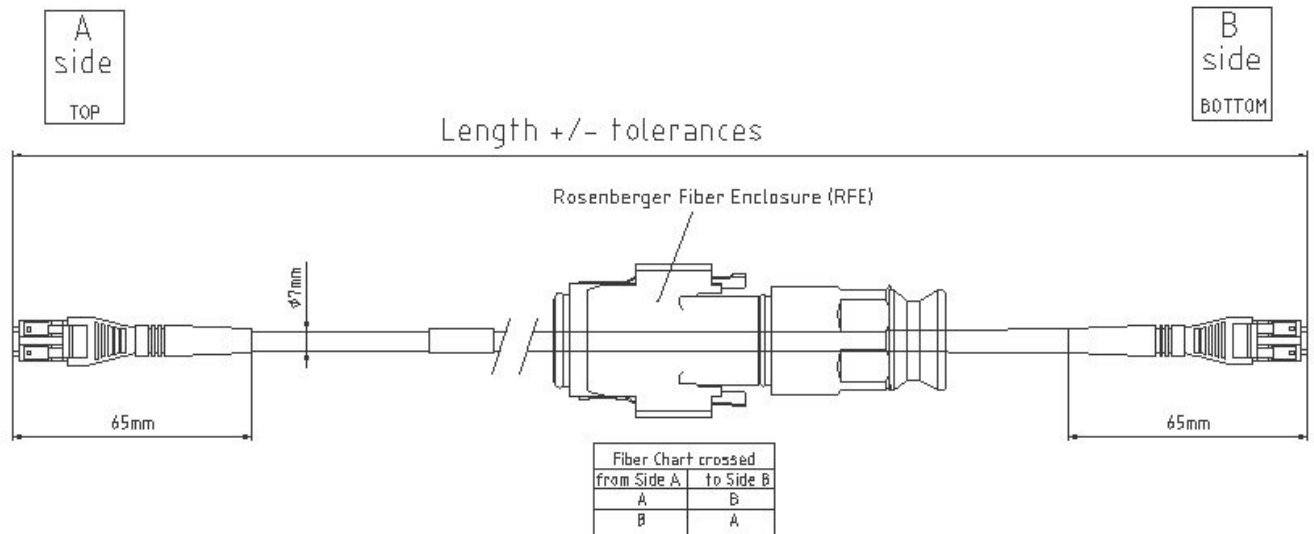


Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

FTTA Fiber Cable Assembly
LCC – 9uG657 – LCC

FB-L98B-085-XXX



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

Description

These fibre optic cable assemblies connect remote radio heads in telecommunication applications. The divider is overmolded on both ends and especially designed for solid straight connections. They can be used indoor and outdoor. The cable is UV protected, riser rated and UV resistant.

Top side is equipped with a Rosenberger Fiber Enclosure (RFE). The RFE is a watertight and UV resistant enclosure for various connectors, like fiber optic, data, power...

It is a snap on system for easy, secure and reliable installation.

Available Variants

Type	Length (mm)	weight (g) / pce
L98B-085-1000	1000±500	445
L98B-085-30000	30000±1000	1895

Cable assemblies available in additional length variants.

Parts

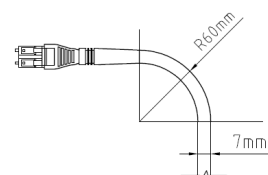
Connector top	1 x LC-Compact, single mode
Connector bottom	1 x LC-Compact, single mode
Cable	UL-approval UL 1651 OFNR (UL1666) Flame retardant acc. to IEC 60332-1
Rosenberger Fiber Enclosure (RFE)	Watertight and UV resistant fiber enclosure for various connectors

Optical data

Cable	2 fibres
Fiber	9/125 µm single mode optical fibre according to ITU-T G.657A and G.652D

Attenuation Coefficient	≤ 0.35 dB / km	λ = 1310 nm
	≤ 0.25 dB / km	λ = 1550 nm

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



Technical Data Sheet

FTTA Fiber Cable Assembly
LCC – 9uG657 – LCC

FB-L98B-085-XXX

Mechanical data cable

Cable diameter, jacket	7 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

Mechanical data RFE

Mating cycles	> 50
Tightening torque gland	1 Nm
Suitable cable diameter	4.5 – 10mm
Suitable connectors	LC, MTP, RJ45...
Pulling axial	> 150N
Pulling 90°	> 75N

Environmental data cable

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 DIN53387
Good resistance to oil, petrol and leach.	

Environmental data RFE

Operation temperature range	-40°C to +85°C
Storage temperature range	-40°C to +90°C
Degree of protection	IEC 60529, IP67 in mated condition
Temperature/Humidity	IEC 61300-2-22
Salt mist	IEC 61300-2-26 (192h), GR 3108 (720h)
Vibration	IEC 61300-2-1
2002/95EC (RoHS)	compliant
Chemical resistant acc. to GR-487	
UV resistant	
Fire protection	UL94 V0

Packing

Standard	
Length < 30 m	1 pce in bag
Length ≥ 30 m	1 pce in box

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	18/03/13	s.Gleich	21/08/13	200	13-0003	D.Eisenhut	13/11/13
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