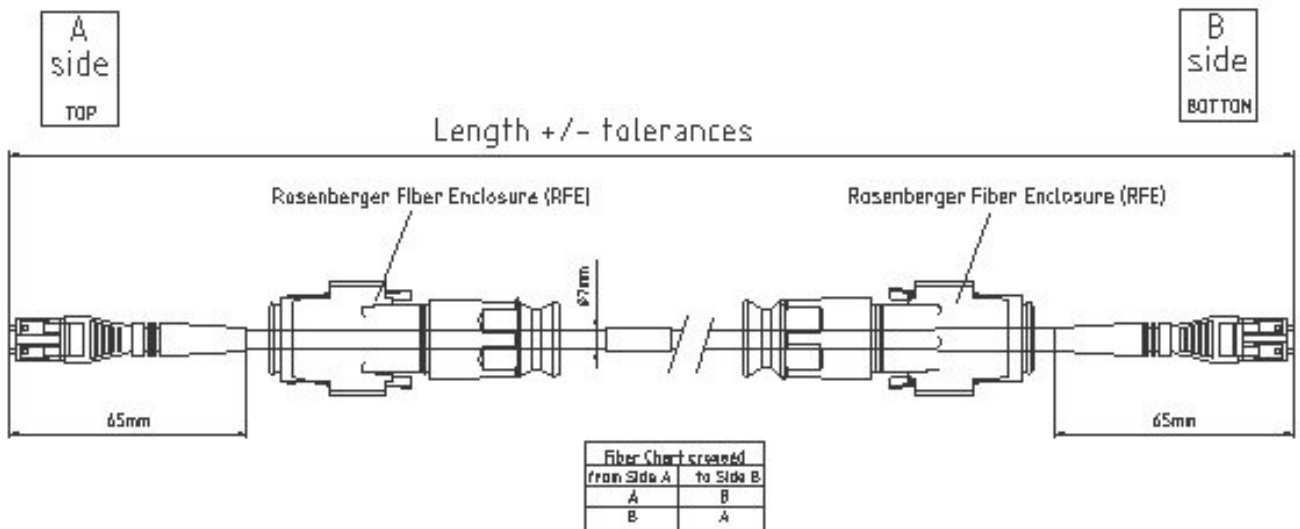


Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

FTTA Fiber Cable Assembly
LCC – 9uG657 – LCC

FB-L98B-155-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. Both sides are 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. RFE specification see separate data sheet: 98Z105-S00

Available Variants

Type	Length (mm)	weight (g) / pce
L98B-155-1000	1000±500	tbd.
L98B-155-30000	30000±1000	tbd.

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
Insertion loss	≤ 0.35 dB / km λ = 1310 nm ≤ 0.25 dB / km λ = 1550 nm

Technical Data Sheet

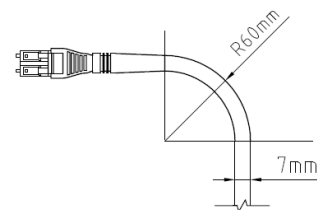
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FTTA Fiber Cable Assembly
LCC – 9uG657 – LCC

FB-L98B-155-XXX

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



Mechanical data

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

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 DIN53387
Good resistance to oil, petrol and leach.

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	13/06/13			200	13-0003	D.Eisenhut	13/11/13
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