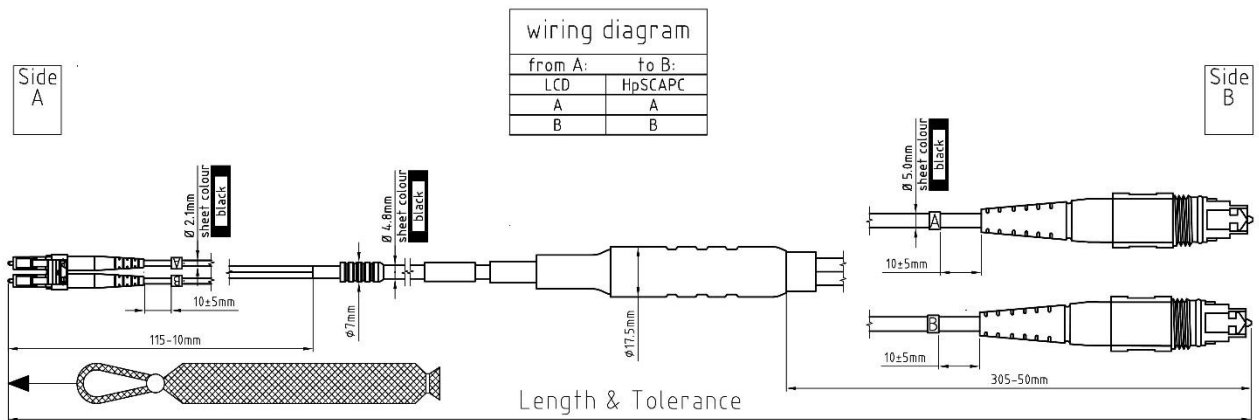




All dimensions are in mm; tolerances according to ISO 2768 m-H

Description

This fiber optic cable cable assembly is used as feeder cable in telecommunication applications. Side A is equipped with an LC Duplex connector with flexible end. The divider on this flexible end is done in hotmelt technology and designed for perfect fit into E/// RRU's. The hoisting grip on side A, ensures easy handling of the cable assembly. The connector on B is a Plug H connector with SC APC interface. This H connector is mateable with the Corning OptiTap®. The assembly can be used indoor and outdoor. The cable is flame retardant, riser rated and UV resistant.

Available Variants

Type	Length (mm)
L98B-A1022-1000	1000
L98B-A1022-30000	30000

Length (m)	Tolerances (mm)
L≤10	+100/-50
10<L ≤ 30	+200/-100
L>30	+/-1%

Cable assemblies in additional length variants are available.

Parts

Connector top	1 x LC-Duplex, single mode
Connector bottom	2 x H connector Plug, SC APC interface, single mode
Cable	PVC black jacket; 2 fiber loose tube cable, Flame retardant, UV resistant, Singlemode G657A1, LSZH, OFNR

Optical data

Cable	2 Fiber 9/125 µm single mode optical fiber according to ITU-T
-------	---

Technical Data Sheet

Rosenberger

FTTA Fiber Cable Assembly
LCD – 9µG657 – Hp SC/APC

FB-L98B-A1022-XXX

Fiber G657A1 and G652D
Cable attenuation ≤ 0.35 dB / km $\lambda = 1310$ nm
 ≤ 0.21 dB / km $\lambda = 1550$ nm

Connector A side LC-Duplex
Insertion loss typ. 0.10 dB
max. 0.30 dB
Return loss typ. 50 dB (UPC)
Connector B side H connector Plug, SC APC
Insertion loss typ. 0.25 dB
max. 0.5 dB

Mechanical data

Cable diameter, jacket 4.8 mm
Minimum bending radius cable
Installation 60 mm
Operation 30 mm
Max. tensile strength cable
Installation 450 N
Permanent 300 N
Crush resistance short term 3000 N / dm (IEC 60794-1-2, method3)
Crush resistance long term 1000N / dm (IEC 60794-1-2, method3)

Environmental data

Temperature range operation -40 °C to +85 °C
Temperature range storage -40 °C to +70 °C
Temperature range installation -20 °C to +60 °C
RoHS compliant

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
-------	------	----------	------	-----	---------------------------	------	------

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel. : +49 8684 18-0
Email : info@rosenberger.de

Page
2 / 3

Technical Data Sheet

Rosenberger

FTTA Fiber Cable Assembly
LCD – 9µG657 – Hp SC/APC

FB-L98B-A1022-XXX

L.Meinel	06/04/21	S.Wiener	06/04/21	100	21-0003	A.Burggraf	06/04/21
----------	----------	----------	----------	-----	---------	------------	----------

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF_35/09.14/6.2