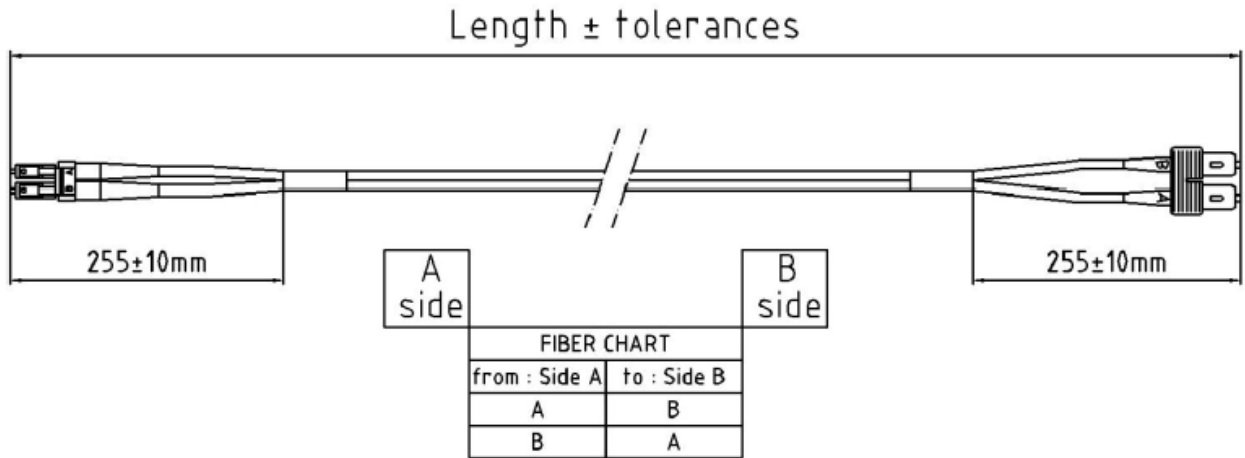


Fiber Optical Cable Assembly
LCD(SB)/UPC – 9µG657A2 – SCD/APC

L98B-A0141-XXX



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

Description

This product is a duplex single mode cable assembly for indoor use. It has LCD (USB)/UPC duplex connectors on side A and SC/APC connector on side B.
The fiber is bend insensitive G657A2 according to ITU-T standard.

Available Variants

Type	Length (mm)	Weight (g) / pce
L98B-A0141-10000	10000	94
L98B-A0141-11000	11000	102
L98B-A0141-12000	12000	110
L98B-A0141-13000	13000	118
L98B-A0141-14000	14000	126
L98B-A0141-15000	15000	134
L98B-A0141-20000	20000	174

Length (m) Tolerances (mm)

L ≤ 5	+/-50
5 < L ≤ 10	+/-100
10 < L ≤ 20	+/-200
20 < L ≤ 50	+/- 500
L > 50	+/-1000

Cable assemblies in additional length variants are available.

Parts

Connector Side A	1 x LCD(SB)/UPC duplex, single mode
Connector Side B	1 x SCD/APC duplex single mode
Cable	Zip cord cable with LSZH jacket

Optical data

Cable	2 Fibers 9/125 µm single mode optical fiber according to ITU-T
Fiber	G657A2 and G652D

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

Cable attenuation	≤0.40 dB / km λ = 1310 nm ≤0.30 dB / km λ = 1550 nm
Connector A	LC-UPC
Insertion loss	typ. 0.10 dB max. 0.30 dB
Return loss	typ. 55 dB (UPC)
Connector B	SC-APC
Insertion loss	typ. 0.15 dB max. 0.40 dB
Return loss	typ. 65 dB (APC)

Mechanical data

Cable diameter, jacket	1.6 x 3,3 mm
Minimum bending radius cable	
Installation	50 mm
Operation	30 mm
Max. tensile strength cable	
Installation	160 N
Permanent	80 N
Crush resistance	100 N / 100 mm (IEC 60794-1-2-E3)

Environmental data

Temperature range operation	-20 °C to +70 °C
Temperature range storage	-20 °C to +70 °C
Temperature range installation	-10 °C to +55 °C
RoHS	compliant

Packing

Standard	
Length < 100 m	1 pce in bag and x pce in box
Length > 300 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
U.Albrecht	16/11/16	S.Schlomka	16/11/16	100	16-0004	U.Albrecht	16/11/16