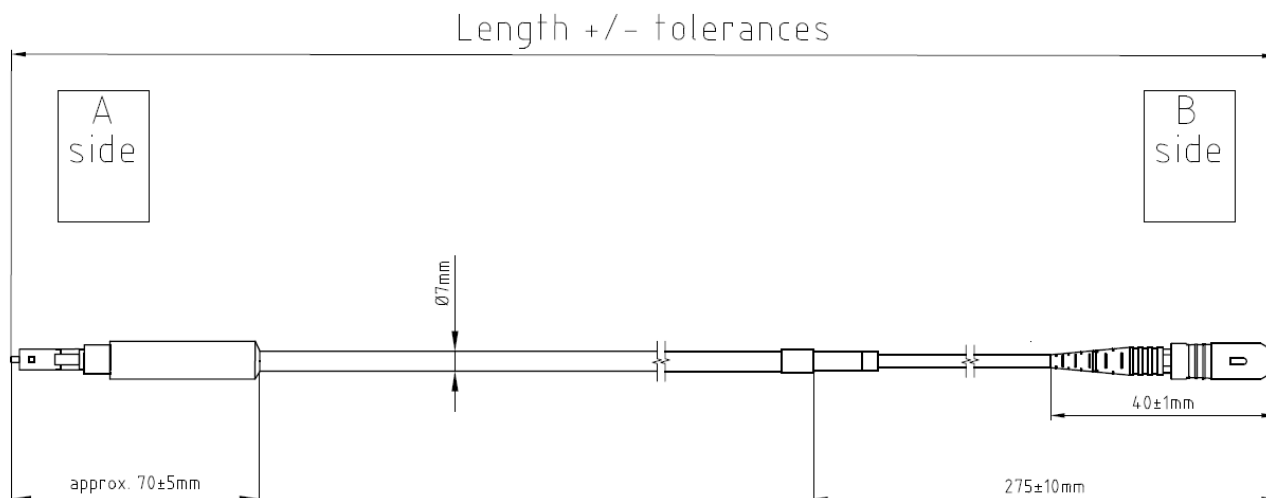




All dimensions are in mm; tolerances according to ISO 2768 m-H

Description

These fiber optic jumper cable assemblies connect remote radio heads in telecommunication applications. Side A is equipped with an LC-Connector. The divider is overmolded and is especially designed for solid straight connections. Side B is equipped with an SCS connector, the fan-out on the SCS connector is not outdoor rated.

The assembly can be used indoor and outdoor. The cable is UV protected and riser rated.

Available Variants

Type	Length (mm)	Weight (g) / pce
L98B-A0734-3000	3000	tbd.
L98B-A0734-5000	5000	tbd.
L98B-A0734-10000	10000	tbd.
L98B-A0734-15000	15000	tbd.

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

Cable assemblies in additional length variants are available.

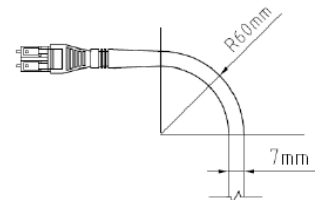
Parts

Connector top	1x LC-Simplex, single mode
Connector bottom	1x SC-Simplex, single mode
Cable	UL-approval UL 1651 OFNR (UL1666) Flame retardant acc. to IEC 60332-1, black

Optical data

Cable	2 Fibers 9/125 μm single mode optical fiber according to ITU-T
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Fiber	G657A1 and G652D
Cable attenuation	$\leq 0.35 \text{ dB / km } \lambda = 1310 \text{ nm}$ $\leq 0.25 \text{ dB / km } \lambda = 1550 \text{ nm}$
Connector	LC Connector
Insertion loss	Typ. 0.10 dB Max. 0.30 dB
Return loss	Typ. 50 dB (UPC)
Connector	SC Connector
Insertion loss	Typ. 0.10 dB Max. 0.40 dB
Return loss	Typ. 55 dB (UPC)
Bending radius min. at boot	60 mm
Bending radius min. fan-out	30 mm



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
Max. tensile strength fan-out	
Installation/Permanent	100N
Crush resistance cable, (short term)	2200 N / dm
Crush resistance cable, (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
RoHS	Compliant
UV resistance	Acc. to DIN53387
Good resistance to oil, petrol and leach	

Technical Data Sheet

Rosenberger

FTTA Fiber Cable Assembly
LCS-HM – 9μG657 – SCS

FB-L98B-A0734-XXX

Packing

Standard:

Length < 20 m

Length ≥ 20 m

Length ≥ 175 m

3 pce in box

1 pce in box

1 pce on cardboard drum

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	29/11/18	S.Wiener	29/11/18	100	18-0004	A.Burggraf	29/11/18

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