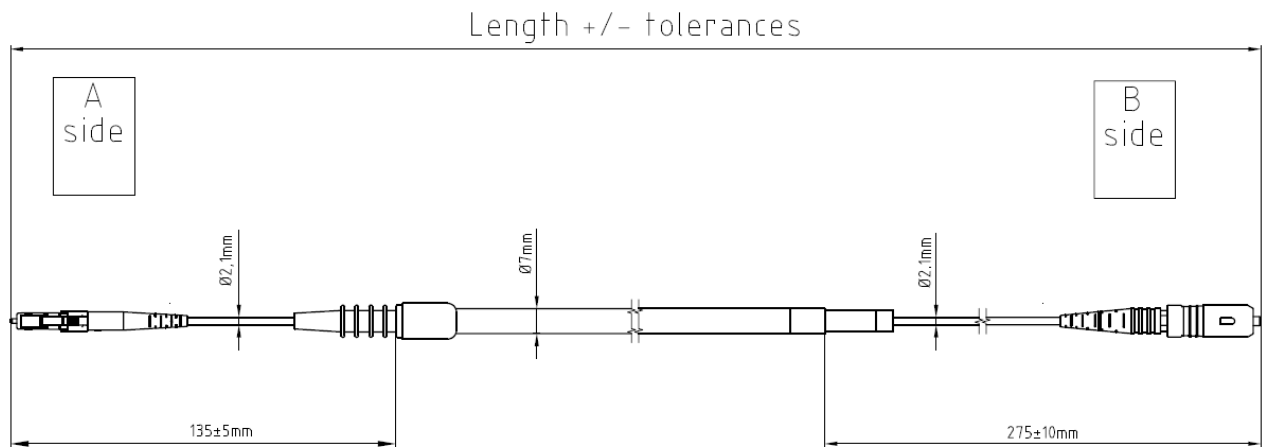




All dimensions are in mm; tolerances according to ISO 2768 m-H

Description

This fiber optic cable assemblies connect remote radio heads in telecommunication applications. The divider on A side is molded, to perfectly fit into the RRU(e.g. RRU2203). The SC Simplex connector on B side comes with a 275mm flexible fan-out. The assembly can be used indoor and outdoor. The cable is flame retardant, riser rated and UV resistant.

Available Variants

Type	Length (mm)	Weight (g) / pce
L98B-A0742-1000	1000	50
L98B-A0742-30000	30000	920

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 Rosenberger LC-Simplex, single mode
Connector bottom	1 x Rosenberger 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
Fiber	G657A1 and G652D
Cable attenuation	≤0.35 dB / km λ = 1310 nm ≤0.25 dB / km λ = 1550 nm
Connector A side	LC-Simplex

Insertion loss	typ. 0.10 dB max. 0.30 dB
Return loss	typ. 50 dB (UPC)
Connector B side	SC Simplex
Insertion loss	max. 0.4dB
Return loss	typ. 55dB (UPC)

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 (IEC 60794-1-2, method3)
Crush resistance long term	800N / dm (IEC 60794-1-2, method3)
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

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
M.Tautz	09/01/19	S.Wiener	09/01/19	100	19-0004	Aburggraf	09/01/19